2024–2025
UNDERGRADUATE STUDIES BULLETIN

FLORHAM CAMPUS • Madison, New Jersey

METROPOLITAN CAMPUS • Teaneck, New Jersey

VANCOUVER CAMPUS • British Columbia, Canada

WROXTON COLLEGE • Wroxton, England

FAIRLEIGH DICKINSON UNIVERSITY

Table of Contents

[Tuition and Fees](#)

- [Florham Campus Tuition and Fees](#)
- [Metropolitan Campus Tuition and Fees](#)
- [Vancouver Campus Tuition and Fees](#)
- [Student Health Insurance Information](#)
- [Summer Session Tuition and Fees](#)
- [Undergraduate Part-time Tuition and Fees](#)
- [Winter Session Tuition and Fees](#)
- [Wroxton College Tuition and Fees](#)
- [Graduate Tuition and Fees](#)
- [Make a Payment](#)
- [Payment Information](#)

[Financial Aid and Scholarships](#)

- [Undergraduate Financial Aid](#)
- [FDU Advantage](#)
- [Applying for Financial Aid](#)
- [Financial Aid FAQs](#)
- [Rights and Responsibilities](#)
- [Terms and Conditions](#)
- [Undergraduate Satisfactory Academic Progress](#)
- [Vancouver Campus Scholarships and Financial Aid](#)
- [Special/Unusual Circumstances](#)
- [Federal Funding](#)
- [Veterans Benefits](#)
- [Graduate Financial Aid](#)
- [Graduate Satisfactory Academic Progress](#)
- [Special Circumstances (Graduate Financial Aid)](#)
- [FDU Grants](#)
- [Federal Programs and Grants](#)
- [New Jersey Programs and Grants](#)
- [Silberman College Scholarships](#)

[Academics](#)

- [Academic Calendar 2024-2025](#)
- [Academic Calendar 2025-2026](#)
- [Core Curriculum](#)
- [General Education Requirements](#)
- [Academic Advising and Support](#)
- [Colleges and Schools](#)
- [Hispanic Center](#)
- [Programs in English for Academic and Professional Success (PEAPS)](#)
- [International Programs and Study Abroad](#)
- [Honors at FDU](#)
- [Lifelong Learning at FDU](#)
- [Academic Regulations](#)
- [Academic Policies](#)

[Student Life](#)

- [Campus Life](#)
- [Dining](#)
- [Housing and Residence Life](#)
- [Disability Support Services](#)
- [Student Life Policies and Procedures](#)
- [Student Wellness Services](#)
- [Career Support](#)
- [Libraries](#)
- [Bookstore](#)
- [Computer Facilities](#)
- [Student Clubs and Organizations](#)

[Majors, Minors, and Certificates (A-Z Listings)](#)

[Degrees including Combined Degrees](#)

- [Accounting BS](#)
- [Accounting BS, Accounting MS: combined degree](#)

- [Allied Health Technologies BS (Health Science Concentration): Degree Completion Program](#)
- [Allied Health Technology BS (Radiologic Technology concentration)](#)
- [Allied Health Technology BS (Respiratory Care concentration)](#)
- [Art BA](#)
- [Biochemistry BS](#)
- [Biochemistry BS (Prepharmacy concentration)](#)
- [Biochemistry BS, Cosmetic Science MS: combined degree](#)
- [Biochemistry BS, Pharmacy PharmD: combined degree](#)
- [Biology BS](#)
- [Biology BS Osteopathic Medicine DO](#)
- [Biology BS Veterinary Medicine DVM combined degree](#)
- [Biology BS, Biology MS (Biotechnology concentration): combined degree](#)
- [Biology BS, Biology MS: combined degree](#)
- [Biology BS, Chiropractic DC combined degree](#)
- [Biology BS, Dental Medicine DMD (Florham)](#)
- [Biology BS, Dental Medicine DMD (Metro)](#)
- [Biology BS, Medicine MD combined degree](#)
- [Biology BS, Pharmacy PharmD combined degree](#)
- [Biology BS, Physical Therapy DPT: combined degree](#)
- [Biology BS, Pre-Professional combined degree](#)
- [Biology BS: Prepharmacy](#)
- [Business Administration BBA (Vancouver)](#)
- [Business Administration BS](#)
- [Business Administration BS, Business Administration MBA: combined degree](#)
- [Business BS, Finance MBA combined degree](#)
- [Business BS, Management MBA combined degree](#)
- [Business BS, Marketing MBA combined degree](#)
- [Business BS, Supply Chain Management MBA combined degree](#)
- [Chemistry BS](#)
- [Chemistry BS, Cosmetic Science MS: combined degree](#)
- [Chemistry BS, Pharmacy PharmD: combined degree](#)
- [Civil Engineering BSCE](#)

- Civil Engineering Technology BSCivET
- Clinical Laboratory Sciences BS
- Communication BA
- Communication BA, Communication MA: combined degree
- Computer Science BS (Florham)
- Computer Science BS (Metro)
- Computer Science BS Management Information Systems MS 4+1 Program
- Computer Science BS, Computer Science MS 4+1 Program (Metro)
- Computer Science BS, Computer Science MS: combined degree (Florham)
- Computer Science BS, Cybersecurity and Information Assurance MS 4+1 Program
- Construction Engineering Technology BSConET
- Creative Writing BA
- Creative Writing BA, Creative Writing MFA combined degree
- Criminal Justice BA
- Criminal Justice BA, Criminal Justice MA
- Criminology BA
- Criminology BA, Criminal Justice MA
- Degree Completion BA
- Degree Completion BA: Puerta Al Futuro® (Gateway to the Future)®
- Degree Completion BA: Yeshiva and Seminary
- Electrical Engineering BSEE
- Electrical Engineering BSEE, Computer Engineering MS 4+1 Program
- Electrical Engineering BSEE, Electrical Engineering MSEE 4+1 Program
- Electrical Engineering Technology BSEET
- Entrepreneurship BS
- Environmental Studies BA
- Film and Animation BA (animation concentrations)
- Film and Animation BA (film concentrations)
- Film and Animation BA, Animation MA: combined degree
- Film and Animation BA, Animation MFA: combined degree
- Finance BS
- Fine Arts BA: Studio Arts

- [Mathematics BA, Cybersecurity and Information Assurance MS: combined degree](#)
- [Mathematics BS (Florham)](#)
- [Mathematics BS (Metro)](#)
- [Mathematics BS, Computer Science MS: combined degree](#)
- [Mathematics BS, Cybersecurity and Information Assurance MS: combined degree](#)
- [Mechanical Engineering BSME](#)
- [Mechanical Engineering Technology BSMET](#)
- [Medical Imaging Science BS](#)
- [Medical Technology BS](#)
- [Nursing BSN](#)
- [Nursing BSN Accelerated](#)
- [Nursing RN to BSN: Degree Completion Program](#)
- [Philosophy BA](#)
- [Psychology BA](#)
- [Psychology BA Psychology MA: combined degree](#)
- [QUEST BA/BS, Teaching MAT: combined degree](#)
- [QUEST BA/BS, Early Childhood Education P-3 MAT: combined degree](#)
- [QUEST BA/BS, Elementary Education K-6 MAT: combined degree](#)
- [QUEST BA/BS, English as a Second Language (ESL) MAT: combined degree](#)
- [QUEST BA/BS, Secondary Education K-12 MAT: combined degree](#)
- [Radiography AS](#)
- [Radiologic Technology BS: Degree Completion Program](#)
- [Science BS](#)
- [Selected Majors BA/BS, Business Administration MBA: 4 Plus 1](#)
- [Selected Majors BA/BS, Finance MBA: 4 Plus 1](#)
- [Selected Majors BA/BS, Marketing MBA: 4 Plus 1](#)
- [Selected Majors BA/BS, Management MBA: 4 Plus 1](#)
- [Selected Majors BA/BS, Supply Chain Management MBA: 4 Plus 1](#)
- [Selected Majors BA/BS, Supply Chain Management MS: 4 Plus 1](#)
- [Sociology BA](#)
- [Sport Management BA](#)

- Sport Management BA, Sport Management MSM combined degree
- Theater Arts BA

Minors

- 2D Animation Minor
- 3D Animation Minor
- 3D Video Game Animation Minor
- Accounting Minor
- Acting Minor
- Advertising Minor
- African-American Studies Minor
- American Studies Minor
- Arabic Language & Culture Minor
- Art History Minor
- Art Minor
- Biology Minor
- British Studies Minor
- Broadcasting Minor
- Business Administration Minor
- Chemistry Minor
- Children's Studies Minor
- Cinema Studies Minor
- Classical Literature and Performance Minor
- Clinical Social Work Minor
- Communication Studies Minor
- Computer Forensics Minor
- Computer Graphics Art
- Computer Science Minor (BSEE majors)
- Computer Science Minor (Florham)
- Computer Science Minor (Metro)
- Creative Writing Minor
- Criminal Justice Minor
- Criminology Minor

- [Graphic Design Minor](#)
- [History Minor](#)
- [Human Resources Management Minor](#)
- [Humanities Minor](#)
- [Information Technology Minor](#)
- [Interdisciplinary Leadership Minor](#)
- [International Affairs Minor](#)
- [Italian Minor](#)
- [Italian Studies Minor](#)
- [Japanese Studies Minor](#)
- [Journalism Minor](#)
- [Latin American Studies Minor](#)
- [Leadership Minor](#)
- [Legal Studies Minor](#)
- [Literature Minor](#)
- [Marine Biology Minor](#)
- [Marketing Minor](#)
- [Mathematical Statistics Minor](#)
- [Mathematics for Cybersecurity Minor](#)
- [Mathematics for the Business World Minor](#)
- [Mathematics Minor (Florham)](#)
- [Mathematics Minor (Metro)](#)
- [Mechanical Engineering Technology Minor](#)
- [Medical Humanities Minor](#)
- [Music Minor](#)
- [Musical Theater Minor](#)
- [Philosophy Minor](#)
- [Physics Minor](#)
- [Playwriting Minor](#)
- [Political Communication Minor](#)
- [Prelaw Minor](#)
- [Professional Selling and Sales Management Minor](#)
- [Psychology Minor](#)

- Public Health Minor

- Public Relations Minor

- Science Minor

- Screenwriting and Dramatic Writing Minor

- Social Justice Advocacy Minor

- Social Media Minor

- Sociology Minor

- Spanish Minor

- Speech Minor

- Sport Management Minor

- Studio Arts Minor

- Sustainability Management Minor

- Television Production Minor

- Theater Arts Minor (Metro)

- Web Design Minor

- Website Design and Development Minor

Undergraduate Certificates

- Computer Programming Undergraduate Certificate

- Game Development Undergraduate Certificate

- Information Technology Undergraduate Certificate

- Mechanical Engineering Technology Undergraduate Certificate

- Network and System Administration Undergraduate Certificate

- Sport Management Undergraduate Certificate

- Website Design and Development Undergraduate Certificate

Faculty & Administration

- Faculty
- Administration

FDU's History and Mission

History and Mission

Mission

Fairleigh Dickinson University is a center of academic excellence dedicated to the preparation of world citizens through global education. The University strives to provide students with the multi-disciplinary, intercultural, and ethical understandings necessary to participate, lead, and prosper in the global marketplace of ideas, commerce, and culture.

Commitment

FAIRLEIGH DICKINSON UNIVERSITY'S DIVERSITY, EQUITY, AND INCLUSION COMMITMENT STATEMENT

Fundamental to its mission, vision, and core values, Fairleigh Dickinson University (FDU) is committed to creating and nurturing a diverse, equitable, and inclusive campus environment that fosters mutual respect and understanding among students, faculty, staff, administration, and alumni.

FDU embraces a culture of open mindedness, diversity of thought, and cultural expression. The University encourages multiple perspectives to enrich the educational experience for the University community. FDU emphasizes understanding cultural

experiences and perspectives by cultivating respectful communication among members of the FDU community.

The University is focused on ensuring that students, faculty, staff, administration, and alumni thrive personally and professionally in a global environment in order to challenge and reject racial divisiveness, prejudice, systemic privilege, and oppression. To this end, FDU does not tolerate discrimination or bias based on race, religion, gender identity/expression, sexual orientation, sex, ability status, age, nationality, and socioeconomic class.

History

Founded in 1942 by Dr. Peter Sammartino and his wife, Sylvia (Sally), Fairleigh Dickinson University has grown into the largest private university in New Jersey. Today, more than 11,500 students from 32 states and 72 countries are enrolled on the University's two campuses in northern New Jersey and its international campuses in Wroxton, England and Vancouver, Canada. Beginning as a two-year junior college, Fairleigh Dickinson expanded to a four-year curriculum in 1948 to fill the need for higher education in northern New Jersey. In 1954, the first graduate program, a master's degree in business administration, was offered, and Bergen Junior College was purchased as a second campus, now Metropolitan Campus. In 1956, Fairleigh Dickinson gained University status and, one year later, the 178-acre Vanderbilt-Twombly estate was acquired in Madison to serve as a third campus, now Florham Campus.

FDU became the first American university to own a campus in England when it acquired Wroxton College from Trinity College, Oxford University. Opened in 1965, Wroxton College offers American students graduate and undergraduate courses as well as an enriching cultural experience. Formerly a 13th-century abbey, Wroxton College is now a beautifully restored and modernized Jacobean mansion. In 2007, FDU commenced classes at facilities in Vancouver, British Columbia, Canada.

FDU has maintained its commitment to broadening global horizons and fostering greater international understanding. In 2000, the Board of Trustees adopted a focused mission for FDU: to prepare students for world citizenship through global education.

Each of the University campuses has a unique character and vitality. Students benefit from studying at a comprehensive university that offers a wide range of programs and courses, but they also enjoy an atmosphere of warmth and personal attention usually found at much smaller institutions.

Today, FDU offers over 100 degree programs at the associate, baccalaureate, master's and doctoral levels. Its wide range of offerings, coupled with the depth and expertise of its faculty, has Fairleigh Dickinson University poised to serve the citizens of New Jersey and beyond.

Our History

"People think of a university in terms of buildings, of numbers of students, of complexity of curricula. And yet it was in terms of our service to students and the simplicity of our approach that we found the greatest meaning to our lives."
— Peter Sammartino, Founder of Fairleigh Dickinson University

FDU Through the Years

Take a walk through the years as Fairleigh Dickinson University grows and expands its reach, while preserving its core values: access and opportunity, innovation and entrepreneurship, diversity and civility, and community service and global engagement.

Freeze Frame: Portraits of the Past and Present

In 2017, in celebration of the University's first 75 years, students came together to honor the generations of students who had come before in a series of iconic photo recreations. Enjoy these vintage looks and modern interpretations!

(Photos by Joshua Siniscal and Lauren Ploger)

Who was Fairleigh Dickinson?

Take a brief glimpse into the life and legacy of Fairleigh S. Dickinson Sr., a co-founder of medical technology company, BD (Becton, Dickinson & Co.), and early benefactor of Fairleigh Dickinson University. Read on to discover the stories and portraits of Fairleigh, his business partner, Maxwell Becton, and the University's founders, the Sammartino family.

Historical Timeline

1940s

- **1942** – A two-year college is founded in Rutherford by Dr. Peter Sammartino and his wife, Sylvia (Sally). The school is named for its early benefactor, Fairleigh S. Dickinson. One hundred and fifty-three students are enrolled.
- **1948** – In response to the need for higher education in northern New Jersey, Fairleigh Dickinson College expands its programs into a four-year curriculum. First accreditation is achieved from the regional accrediting agency, the Middle States Association of Colleges and Schools [now the Middle States Commission on Higher Education].

1950s

- **1954** – The first graduate-level program is offered — a master's degree in business administration, still one of the University's most popular programs. A second campus is acquired: formerly Bergen Junior College, in Teaneck.
- **1956** – By action of the New Jersey State Board of Education, Fairleigh Dickinson College becomes Fairleigh Dickinson University. The College of Dental Medicine admits its first students.
- **1958** – A third campus is created in Madison on the former estate of Florence Vanderbilt Twombly.

1960s

- **1964** – Edward Williams College, a two-year college offering associate degrees, with highly personalized instruction and guidance, begins classes on the Teaneck Campus.
- **1965** – The University opens its first overseas campus, Wroxton College in England.
- **1967** – The founding president, Dr. Peter Sammartino, retires after 24 years of service and is appointed chancellor and president emeritus. Dr. J. Osborn Fuller is appointed president.

1970s

- **1970** – The College of Dental Medicine moves to a new multimillion-dollar facility on the Hackensack side of the Teaneck Campus. The innovative Saturday College of Edward Williams College opens, offering the opportunity

to earn an associate degree by taking courses on Friday evenings and Saturdays.

- **1972** – Fairleigh Dickinson University dedicates its second overseas campus, the West Indies Laboratory at St. Croix, U.S. Virgin Islands.
- **1974** – Dr. Jerome M. Pollack becomes the third president of the University.

1980s

- **1982** – The first students are admitted to a program for the PhD in clinical psychology.
- **1983** – Dr. Jerome M. Pollack resigns as president; Walter T. Savage is appointed acting president.
- **1984** – Dr. Robert H. Donaldson becomes the fourth president of the University.
- **1987** – The Rothman Center, the University's major, state-of-the-art athletic and recreation facility on the Teaneck Campus, officially opens.
- **1989** – With the opening on the Madison Campus of the George Rothman Institute of Entrepreneurial Studies, FDU becomes the first university in the nation to build a facility dedicated to entrepreneurial education.

1990s

- **1990** – The College of Dental Medicine graduates its last class. Dr. Francis J. Mertz is appointed to an interim term as president of the University. Because of significant damage to the West Indies Laboratory by Hurricane Hugo, the facility is closed.
- **1992** – As part of the implementation of a strategic planning process, a new University College: Arts • Sciences • Professional Studies is created at Teaneck and Madison offering honors track programs in all disciplines. Francis J. Mertz is appointed president of the University.
- **1993** – FDU's Board of Trustees approves a facilities master plan that allows for the implementation of three major construction projects by fall 1995. The board also votes that the University merge its operations on the Rutherford Campus with those of the Teaneck and Madison campuses beginning with the 1994-95 academic year.
- **1994** – Dickinson Hall reopens at the Teaneck Campus.
- **1995** – The Roberta Chiaviello Ferguson and Thomas G. Ferguson Recreation Center opens at the Madison Campus.

- **1996** – President Bill Clinton and Vice President Al Gore address environment issues in an event at the Rothman Center at the Teaneck Campus

- **1998** – New College of General and Continuing Studies is formed to address the special educational needs of nontraditional students, including adult learners. Martin F. Stadler, Patrick J. Zenner, Hoffmann-La Roche Inc. Academic Building opens on Madison campus.

- **1999** – J. Michael Adams is appointed President of the University. Students move into Park Avenue Residence Halls on Madison campus.

2000s

- **2000** – Board of Trustees approves a new mission statement dedicating the University to global education. Silberman College, the University's business school, receives AACSB accreditation for its bachelor's and master's level degree programs.

- **2001** – FDU PublicMind begins political and social public opinion polling; incoming freshmen and Global Virtual Faculty take part in distance learning initiative.

- **2002** – Port Authority Police Training Academy moves to Teaneck campus; missions of the New Jersey campuses are indicated by new identities: College at Florham and Metropolitan Campus. FDU creates its United Nations Pathways Lecture Series and earns designation as a nongovernmental organization (NGO) associated with the United Nations Department of Public Information.

- **2003** – Construction: Metropolitan Campus gets a new Fitness Center, College at Florham a substantially renovated Student Center, and each campus gets a new residence hall.

- **2004** – With increasing enrollments, University regains its distinction as largest private university in New Jersey. Degree-completion programs offered via online learning serve first-responders and National Guard personnel. Global Issues Gateway educational website is launched.

- **2005** – In recognition of the generosity of Anthony J. Petrocelli and his wife, Antoinette, the University renames the New College of General and Continuing Studies, to be the Anthony J. Petrocelli College of Continuing Studies.

- **2006** – Lee Gildart and Oswald Haase School of Computer Sciences and Engineering is named to honor the science mentors of alumnus, space-farer, and entrepreneur Greg Olsen, whose gift is the largest in FDU's history.

- **2007** – The University opens its second international campus, FDU-Vancouver, in British Columbia, Canada.
- **2008** – College at Florham celebrates its golden anniversary; United Nations Secretary-General Ban Ki-moon receives honorary degree and is keynote speaker at Convocation; University offers master's degree program in sports administration.
- **2009** – FDU grants its first doctor of nursing practice degrees. President Obama comes to the Metropolitan Campus for a Corzine gubernatorial campaign event. The University receives state approval to open a pharmacy school with a planned opening of 2012.

2010s

- **2010** – FDU-Vancouver graduates its first class. In recognition of the generosity of John Giovatto, and in memory of his brother Frank, the Metropolitan Campus renames the Weiner Library the Frank Giovatto Library.
- **2011** – The University breaks ground at the College at Florham for the John and Joan Monninger Center for Learning and Research. The University's largest capital campaign ever, FDU NOW, bests its $50 million target by almost $9 million.
- **2012** – Silberman College's prestigious AACSB accreditation is reaffirmed. J. Michael Adams, the University's longest-serving president since founder Peter Sammartino, is diagnosed with a form of leukemia and passes away June 21. Chief operating officer Sheldon Drucker becomes interim president. FDU School of Pharmacy welcomes its first class.
- **2013** – The John and Joan Monninger Center for Learning and Research officially opens at the College at Florham. Sheldon Drucker becomes the seventh president of the University.
- **2014** – The University welcomes largest class of international students. Bronze statue of Martin Luther King Jr. unveiled on Metropolitan Campus. Inaugural season of FDU's New Jersey Speaker Series at New Jersey Performing Arts Center debuts.
- **2015** – The Rothman Institute of Innovation and Entrepreneurship celebrates 25 years. The University dedicates The Daniel and Martina Lewis Center for Healthcare Innovation and Technology at the School of Pharmacy.
- **2016** – Christopher A. Capuano becomes the eighth president of the University. The University announces the formation of a new School of Public and Global Affairs.

- **2017 –** The University celebrates its 75th Anniversary. Rock star Jon Bon Jovi surprises students at the 74th Commencement celebration.
- **2018 –** The largest capital campaign in FDU's history, One University Many Dreams, is officially launched and the goal would later be extended to $125 million. Silberman College of Business celebrates 50 years of changing lives. The University announces the formation of the School of the Arts.
- **2019 –** The newly renovated and designed Metropolitan Campus footbridge opens.

2020s

- **2020 –** The construction of the Elizabeth Ruth Hennessy Field and the Vincent J. and Lenda F. Naimoli Ballpark. The University created a new animation lab on the Florham Campus and expanded the School of Pharmacy and Health Sciences.
- **2021 –** FDU's Vancouver Campus expanded to a second location. Office of Veterans Services was awarded the We Value Our Veterans Academia Award by New Jersey Governor Phil Murphy. FDU is named Hispanic Serving Institution (HSI) leader by Fulbright Program. To help make an FDU education more affordable and accessible, the University reduced the cost of undergraduate tuition by approximately 25% at the two New Jersey campuses.
- **2022 –** Latino Promise and HACER programs were cited for excellence by *Excelencia* in Education. Wroxton College formed a partnership with the Royal Shakespeare Company. School of Psychology and Counseling created the Center for Empathy Training and Research. Florham Institute for Lifelong Learning turned 50.
- **2023 –** FDU alumnus Michael J. Avaltroni is appointed the ninth president of the University. The University forms FDU Health, a new division bringing together a variety of disciplines and degree programs that focus on healthcare programs and provide opportunities for further collaboration and interdisciplinary research and education.
- **2024 –** Salif Mane, a 2024 graduate, captures the NCAA title in the triple jump, wins gold at the US Olympic Trials and qualifies for the Olympics in Paris where he was the only American to reach the final round.

Campuses

Welcome to Florham Campus

We provide our students with outstanding academic programs, superior support services, and great co-curricular activities on the beautiful grounds of what was once the estate of Hamilton Twombly and Florence Vanderbilt. Built in the Gilded Age for the newlyweds, the estate is now home to a family of students, faculty, and alumni, and includes colleges of arts and sciences and of business, the new School of Pharmacy and Health Sciences, and a nationally acclaimed graduate writing program, as well as the prestigious *Literary Review*, the Fairleigh Dickinson University Press, the fabulous annual festival of words, arts and music known as WAMfest, and the prodigious producers of public opinion research, the FDU Poll. Whether you are an undergraduate or a graduate student, you will find Florham an exceptional place to live and learn.

Florham Campus

Madison, N.J.

The Classic College Experience

The Florham Campus emphasizes a well-rounded academic experience rich in choices and balanced by dynamic extracurricular activities. Whatever your major, your education will prepare you to problem solve effectively, think creatively and communicate persuasively — skills that will prepare you for a lifetime of success.

FDU Florham is primarily a residential campus, supported by a strong student life program. It boasts active fraternities and sororities, diverse student activities, and dynamic Division III and intramural athletics programs. Resident students are joined in class by undergraduate commuters and by adult, graduate, and certificate students, utilizing first-class educational resources either retrofitted into the campus' distinctive and appealing original buildings, or newly built especially in the most recent decades.

Outstanding teachers. Exceptional personal attention and support. Unforgettable learning experiences — in and out of the classroom.

Did You Know?
The designer of Central Park in New York City created Florham's majestic grounds, which include some trees more than 150 years old.

Welcome to Metropolitan Campus

Offering a wide range of majors that lead to Associate, Bachelor, Masters, and Doctoral degrees, the campus hosts students from throughout the United States and the world, including international students from over 80 countries. There are study abroad opportunities at FDU campuses in Wroxton, England and Vancouver, Canada, and at its many partner institutions throughout the world.

With the objective of providing students a holistic, engaging, and enriching academic, social, and cultural experience, the campus offers 70 student organizations and over 2,000 events and activities annually. As a Division I NCAA institution, the Metropolitan Campus offers 18 separate sports, as well as a wide range of intramural athletics.

Metropolitan Campus

Teaneck, N.J.

Do you want to be near the energy and opportunities of New York City – but prefer to attend college on a quiet, suburban campus? FDU's Metropolitan Campus may be the place for you. With its strong career focus, this campus is home to many of FDU's business, professional, science and health care programs. It's a celebration of diversity, too, attracting students from 63 countries. Running through the heart of campus is the Hackensack River. Quaint homes, shops, ethnic restaurants and parks are near by, as well as shopping malls, community groups, and office and professional buildings, where many of our resident and commuter students alike find part-time jobs. You'll also like the campus' proximity to New York City, where you can study Broadway, Wall Street and the United Nations up close and in person!

The richly diverse environment and mix of cultures and ideas ensure that there's always something happening at the Metropolitan Campus.

A Metropolitan Oasis

FDU's bustling suburban campus is next door to New York City and home to many of FDU's professional study programs.

Welcome to Vancouver Campus

Dear Visitors and Prospective Students,

Welcome to Fairleigh Dickinson University's newest campus, in beautiful downtown Vancouver. The University opened its fourth campus in September 2007 and already

students from over 60 countries are benefiting from FDU's long proven vision of preparing world citizens through global education, and in an intensive and student-centered learning environment students develop productive and insightful lives as citizens of an increasingly interconnected and interdependent world.

The Vancouver Campus is located within the vibrant district of Yaletown, close to the Vancouver Public Library and surrounded by the hustle and bustle of downtown life, wonderful restaurants, incredible sporting venues, superb shops, and numerous coffee houses. Vancouver is indeed a very exciting place to live and learn, and the Vancouver campus is now part of that excitement.

Fairleigh Dickinson University is the largest private not-for-profit university in the state of New Jersey (USA) with approximately 12,000 graduate and undergraduate students and more than 100 degree programs ranging from the Associate of Arts (AA) to the Doctor of Philosophy (PhD). The University was founded in 1942 and has four campuses. The University's two main campuses are located in New Jersey: the Metropolitan Campus in Teaneck and Hackensack (just minutes from New York City) and the Florham Campus in Florham Park and Madison. Its two remaining campuses are international in location: one in Wroxton, Oxfordshire, England (established in 1965) and the other in Vancouver, British Columbia, Canada.

The Vancouver Campus offers accredited professional degree programs to international students with majors in business administration and information technology. Students majoring in business administration are required to complete a concentration in international business and may elect to complete a second concentration in entrepreneurship, finance, information technology, or marketing. Students majoring in information technology typically complete a minor in business administration. They also have optional concentrations in Network and Systems Administration or Web Technology. The University also offers a Bachelor of Arts – Individualized Studies degree. A Master of Administrative Science degree, a Master of Hospitality Management Studies, and a Master of Science in Applied Computer Science are offered at the graduate level. In addition, the Vancouver campus offers a Pre-University Program, which provides advanced English-language training for students who meet the requirements for admission, but require additional training in English (in speaking and/or writing) prior to matriculating in a degree program. The Vancouver campus boasts an excellent and dedicated core of full- and part-time faculty; a new, state-of-the-art facility; small class sizes; close working relations between students, faculty and staff; and an intensive and unrivaled student support system focused on individual student success.

Fairleigh Dickinson University is delighted to join its partners in higher education in British Columbia to provide students with degree programs in Canada and to serve as a portal to other FDU campuses and partner universities around the world.

It is with great excitement that I invite you to learn more about our dynamic new campus in Vancouver, our unique degree programs, and our competitive scholarships and study grants. I look forward to the possibility of seeing you as a student at our Vancouver campus.

Sincerely yours,

Dr. Wilfred Zerbe
Campus Executive, Vancouver Campus

Vancouver Campus

Canada

As a leading innovator in global education, Fairleigh Dickinson University seeks new ways to offer its unique learning opportunities for students worldwide. The University's newest campus opened in 2007 in Vancouver, British Columbia. Located in western Canada near the U.S. Border, Vancouver is one of the world's most scenic, cosmopolitan and multicultural cities.

The Global Scholars Program is a program for entering first-time, full-time freshmen at the University's campus in Vancouver

Global Scholars Program

The concept for our Global Scholars Program was inspired by Fairleigh Dickinson University's founding mission as an institution "of and for the world." As a Global

Scholar, you will be part of a distinctive community of learners who are committed to world citizenship and to developing a global perspective as tomorrow's leaders.

Contact Information

vancouver@fdu.edu
1-877-338-8002
Toll Free (U.S. and Canada)
842 Cambie Street
Vancouver, BC V6B 2P6
Cambie Street location
(604) 648-4460
89 West Georgia Street
Vancouver, BC V6B 0N8
Georgia Street location
(778) 726-4020
Please direct all mails and deliveries to the 842 Cambie Street location.

Wroxton College

England

FDU's Campus in England

When Fairleigh Dickinson University opened Wroxton College in 1965, it became the first American higher-education institution to own a campus overseas. With its idyllic location close to Stratford- upon-Avon, London and Birmingham, the "Wroxton Experience" is ideal for those studying history, politics, or literature. But Wroxton is so much more than that, and many other subjects — from criminal justice to international business — are offered there.

Students live and study in the 17th-century Jacobean mansion known as Wroxton Abbey. Courses are taught by the lecture, seminar and tutorial method employed in British universities. Students benefit from valuable links established with major British institutions including the Shakespeare Center, The Shakespeare Institute (University of

Birmingham), the Houses of Parliament and Scotland Yard. They also enjoy excursions to notable sites throughout England and Europe.

In addition to full semesters, Wroxton offers many shorter programs, including an abbreviated summer session for undergraduate students, programs for lifelong learners and alumni, hosted programs for partner universities, faculty-led programs in fields including forensic psychology, corporate communication, public health, sports administration, and more.

With more than 10,000 attendees to date — including many from institutions other than Fairleigh Dickinson University, the Wroxton Experience continues to broaden horizons after more than fifty years.

FDU Study Abroad Opportunities

A study abroad experience will impact a student's perspective, which will be dramatically expanded. It gives a student the opportunity to see the world from a totally different viewpoint -- from outside the United States.

Contact Information

Nicholas DJ Baldwin, PhD, Dean

Wroxton, Nr. Banbury Oxfordshire OX15 6PX England
admin@wroxton-college.ac.uk
011-44-1295-730551
From the US
011-44-1295-730059
From the US

Contact Information

Wroxton Study Abroad Office

1000 River Road Teaneck, NJ 07666
brian_swanzey@fdu.edu
Brian Swanzey, Director
201-692-7218
201-692-2729

The Wroxton Experience

A semester at Wroxton is carefully designed to provide a complete, integrated study abroad experience for highly motivated individuals. Known as 'The Wroxton Experience' by those who have shared it, it provides all the essentials — and more — in a comprehensive package, enabling you to combine a high quality academic program with the opportunity to travel and experience new cultures. So, recharge your expectations, broaden your horizons, strive to be extraordinary, and come be a part of the Wroxton experience.

At Wroxton you will encounter the quintessential English village scene. Set in the rural heart of England, Wroxton offers a peaceful environment for learning amid a beautiful countryside of lawns, lakes, gardens and woodland. The College continues to meet its founding vision of an intellectual community, cloistered in an idyllic setting. Housed in a remarkably beautiful, modernized 17th-century manor house, to Henry James, Wroxton was part of the essence of England.

"Everything that in the material line can render life noble and charming has been gathered into it with a profusion which makes the whole place a monument of past opportunity."
— Henry James
However, the quiet country setting belies a close proximity to leading cultural and entertainment centers that provide an important dimension of the program. The bustling market town of Banbury is only a ten minute drive away and Stratford-upon-Avon, Oxford, London and Birmingham are all close by and easily accessible, an outstanding selection of theaters, concert halls, museums, galleries, restaurants and major shopping areas are at hand. In addition, the mainland continent of Europe is but a short distance away, with group excursions arranged and individual visits possible. Wroxton's rich tapestry of diverse cultural, intellectual, recreational and social activities are all inter-meshed with its own unique challenges. Quite simply, involvement at Wroxton is contagious.

Wroxton Testimonials

"Going and studying at Wroxton College was probably one of the best experiences a student could ever have. There was just so much to do; we were going non-stop for two weeks, but I wouldn't have had it any other way." Tara S.

"What a phenomenal experience. Our two week course left me with one of the best experiences of my life; many people only dream they had a chance to participate in something of this caliber. Studying abroad in Europe has broadened my horizons drastically, it gave me a chance to view things that I never thought I would. I think this was a wonderful experience and you should keep giving students the opportunity to add such a great experience to their lives." Shanira H.

"My trip to England was a wonderful experience that I will remember for the rest of my life. My academic experience was exceptional because I heard lectures and discussed issues with some of the most knowledgeable, intelligent people I have ever had the fortune to know. My trip to England was an experience I will treasure forever." John A.

"There are many words that could be used to describe the whole Wroxton experience. Yet, the one word that attempts to capture it all is unforgettable." Angela C.

"I am very thankful for the chance to visit this beautiful country and enjoy all that it has to offer. I feel both culturally and academically enriched." Maria S.

"I felt that the entire trip to England served as a cultural awakening for me. Everything, from the smells of the farm animals to the poppy fields, was absolutely breathtaking. My mind is now opened to new possibilities. If anything, this trip taught me that there is more to this world than the country where I reside. I hope to take this experience as a stepping off point, to keep traveling and to keep searching for understanding in such a large world which has yet to be explored." Zena C.

"The course is about more than learning of past events and how to handle them in the future. It's about learning from your surrounding, different professors, different styles of teaching, new friends, new places, and a different you." Roxann D.

"Wroxton College was nothing that I ever expected. It is a magical place that was so relaxing and calming. The group that we went with was an exceptional one. I had a great time with each and every person and I made new friends that I will always treasure. The experience was one that I will never forget and will always treasure. I have learned so much about the culture and the people. I even learned a thing or two about myself. England is filled with beauty and magic." Lindsay F.

"England was an eye opener for me. I feel I actually accomplished something and opened my mind to other aspects of life, and the group in which I traveled with helped make the experience even better. I would love to go back anytime." Judith O.

"It will be a class and an experience I will never forget." Matthew M.

"Studying abroad in England was one of the greatest experiences ever. It is amazing to know that we were able to accomplish so much in less than two weeks. It was truly the ideal experience." Karina G.

"Overall, my entire experience is one I'll never forget. I am just thankful that I was given such a wonderful opportunity to see another part of the world; it allowed me to learn, grow and experience things that I never have before. Students that have the opportunity to study in Wroxton should definitely go; they will be given an experience unlike any other. I wish that our trip never had to end. If I am ever given another opportunity to go I would take it in a second." Jennifer W.

"My two weeks spent in England might be one of the most enlightening experiences in all my 19 years of existence." Mikal K.

"Having the chance to take a class in England was a once in a lifetime opportunity. From the culture experience to the academic learning, the trip was mind-blowing. What I have learned from this trip is something I know will stay with me for the rest of my life." Laura C.

"I have met so many new friends that were considered my family over at Wroxton. Overall the academic, cultural, and social components of this two week study abroad program couldn't have been better and I wouldn't have changed a thing. These memories are unforgettable and hard to explain in words what an incredible experience it was." Karelia R.

"I think that I laughed the most on this trip then any other trip that I went on." Krystina I.

I think what made this experience complete for me was to know that this was a once in a lifetime opportunity. The entire experience provided me with a whole new outlook on life. I learned to respect other people for who they are rather then what I initially thought about them. I learned so much in such a short period of time. I would never take back a moment of this experience. It has made me a much better person with a more complete understanding of how different everyone of us truly are! Kristyn S.

"From the 'spiritual energies' in Stonehenge, to the 'mystery waters' in Bath, it was a sure ten and a definite 'must do' for every student." Evelyn L.

[Back to Top](#)

Accreditations

Fairleigh Dickinson University is licensed by the State of New Jersey and is authorized to offer degree programs at the associate's, bachelor's, master's, and doctoral levels.

Fairleigh Dickinson University is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104, 267-284-5000. In addition to the accreditation held by all programs for academic purposes, specialized curricula have applied for and been granted approval by recognized professional agencies.

Curricula

Allied Health

Our allied health tracks are individually accredited through appropriate accrediting bodies, including the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and the Commission on Accreditation of Allied Health Education Programs (CAAHEP), in accordance with our collaboration agreements with Rutgers University, Valley Hospital, and other regional partners.

Chemistry

American Chemical Society. This accreditation applies only to the Bachelor of Science program offered by the Maxwell Becton College of Arts and Sciences at the Florham Campus, Madison, New Jersey)

Civil Engineering

Engineering Accreditation Commission of ABET (EAC/ABET)

Civil Engineering Technology

Engineering Technology Accreditation Commission of ABET (ETAC/ABET)

Clinical Mental Health Counseling

Council for Accreditation of Counseling and Related Educational Programs (CACREP)

Clinical Psychology

(Doctor of Philosophy Program) — American Psychological Association

Clinical Psychopharmacology

The postdoctoral Master of Science (MS) program is designated as a training program in clinical psychopharmacology for prescriptive authority for psychologists by the American Psychological Association (APA).

Computer Science

Computing Accreditation Commission of ABET (CAC/ABET). This accreditation applies only to the Bachelor of Science in Computer Science program offered by the Gildart Haase School of Computer Sciences and Engineering at the Metropolitan Campus, Teaneck, New Jersey.

Construction Engineering Technology

Engineering Technology Accreditation Commission of ABET (ETAC/ABET)

Dyslexia Studies

Orton Gillingham Teacher Certification Program is accredited by the International Multisensory Structured Language Education Council (IMSLEC) and recognized as meeting knowledge and practice standards by the International Dyslexia Association (IDA)

Education

Council for the Accreditation of Educator Preparation (CAEP)

Electrical Engineering

Engineering Accreditation Commission of ABET (EAC/ABET)

Electrical Engineering Technology

Engineering Technology Accreditation Commission of ABET (ETAC/ABET)

Hospitality Management

Accreditation Commission for Programs in Hospitality Administration (ACPHA)

Hotel Schools of Distinction (HSD)

Hospitality and Tourism Innovation and Excellence

Accreditation Commission for Programs in Hospitality Administration (ACPHA)

Hotel Schools of Distinction (HSD)

Information Technology

Computing Accreditation Commission of ABET (CAC/ABET).

Mechanical Engineering Technology

Engineering Technology Accreditation Commission of ABET (ETAC/ABET)

Nursing

The baccalaureate degree program in nursing, master's degree program in nursing, Doctor of Nursing Practice program, and post-graduate APRN certificate program at Fairleigh Dickinson University is accredited by the Commission on Collegiate Nursing Education (https://www.ccneaccreditation.org).

Approval from the New Jersey State Board of Nursing.

Pharmacy

Fairleigh Dickinson University School of Pharmacy's Doctor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education, 135 South LaSalle Street, Suite 4100, Chicago, IL 60503, 312-664-3575; Fax 312-664-4652, web site www.acpe-accredit.org.

Radiography

Joint Review Committee on Education in Radiologic Technology;

School Psychology

Masters/Specialist program National Recognition by the Program Approval Board of the National Association of School Psychologists (NASP)

Inclusion on approved lists of the American Medical Association and the American Dental Association (Medicine, Dentistry) by virtue of the accreditation by the Middle States Commission on Higher Education.

Silberman College of Business

The business programs offered by Fairleigh Dickinson University through the Silberman College of Business have also received the prestigious Business Accreditation from AACSB International. The following degree programs are included in this accreditation:

- Bachelor of Science (include majors in Accounting, Business Administration, Entrepreneurship, Finance, Management, and Marketing)
- Master of Business Administration
- Master of Science – Accounting
- Master of Science – Supply Chain Management
- Master of Science – Taxation

Vancouver Campus

At the Vancouver Campus, the term "university" is used under the written consent of the British Columbia Ministry of Advanced Education effective May 8, 2006, having undergone a quality assessment process and been found to meet the criteria established by the ministry. Fairleigh Dickinson University is the first non-Canadian institution to gain approval under the stringent standards adopted by British Columbia in 2003.

Back to Top

Legal Notices

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Web sites include www.fdu.edu, fduknights.com, fdudevils.com, globaleducation.edu, fillfdu.wix.com/fill, writingfdu.org, theliteraryreview.org and all subdomains within the Top Level Domain fdu.edu, or any of the other preceding domains.

Subject to Change

The University reserves the right to change, without prior notice, the contents of its Web Sites, including any posted bulletins, academic calendars, programs of instruction, academic and disciplinary requirements, policies and procedures, rules and regulations, tuition, fees and charges, and the terms of financial aid. Changes shall be effective upon publication or as otherwise determined by the University, Such changes may apply to current and/or prospective students and current or prospective employees.

The University reserves the right to photograph members of the University community, including but not limited to, its students, guests, employees and contractors, in situations appropriate to the image of an academic institution, and to publish likenesses in University publications, videos or other recruitment or promotional materials. However, the University will, to the extent feasible, honor written requests received from community members who do not wish their images published.

Acceptable Use

The Web Sites are included among the computing and electronic communications resources of Fairleigh Dickinson University, which support the instructional, research, and administrative activities of the University. Users of these facilities are bound by the

University's Acceptable Use Policy for Computer Usage. That policy applies to all users of computing and electronic communications resources, and computing equipment owned, leased or rented by Fairleigh Dickinson University. This includes all students, faculty, visiting faculty, staff, guests, and external individuals or organizations. Computing equipment includes, but is not limited to, mobile phones, tablets, terminals and computers, whether public machines located in labs or machines assigned for individual use, file servers, and networking equipment used to link these components together and to the Internet.

Fairleigh Dickinson University is not responsible for the content of any material the user prepares, receives or transmits. Thus, as a condition of using the University's computer system, the user represents that his/her use is in compliance with all federal, state and international copyright and other intellectual property laws and agreements and other federal and state laws, nor in his/her use of the system will the user violate any federal or state civil or criminal laws. Furthermore, the user will indemnify, exonerate and save the University (and its representatives) harmless from any claim, damage or cost related to the user's use, including any legal fees the University decides it is necessary to incur to defend itself.

Security Practices

Individuals using the Web Sites should be aware of the University's security practices, and their rights to privacy while using the University's website.

During normal browsing of Web Sites certain information may be collected. Some information is automatically collected such as your browser information and other system identification information that is stored in website cookies. While these cookies help us personalize the experience of using our website, they are not required and may be disabled. Other information is collected for tracking, troubleshooting, and statistical purposes.

We also collect information you may have submitted through a form such as your name, email, phone number, or other personal data. Certain forms on our website use SSL to provide encryption and protection for the data you submit. Check your browser for the HTTPS and/or lock icon to confirm your data is being protected.

Title IX Notice of Non-Discrimination

FDU does not discriminate on the basis of sex and prohibits sex discrimination in any education program or activity that it operates, as required by Title IX and its regulations, including in admission and employment.

Inquiries about Title IX may be referred to FDU's Title IX Coordinator, the U.S. Department of Education's Office for Civil Rights, or both. FDU's Title IX Coordinator is:

Steve Nelson
snelson@fdu.edu
(201) 692-2466
Dickinson Hall, Room 3317, Mail Code: H-DH3-11
1000 River Road
Teaneck, NJ 07666

FDU's Title IX Sex Discrimination Policy and Grievance Procedures can be found on its Title IX page.

To report information about conduct that may reasonably constitute sex discrimination or make a complaint of sex discrimination under Title IX, individuals can contact FDU's Title IX Coordinator by phone, email, or in person, or complete the online report form ("Report an Incident") found on the Title IX page.

European Union Privacy Notices

Compliance with PIPA (British Columbia, Canada)

Fairleigh Dickinson University, a private, non-profit United States university also operating in the province of British Columbia, Canada, is committed to protecting the confidentiality of the personal information of its students and employees by ensuring compliance with British Columbia's *Personal Information Protection Act* (*PIPA*). The University collects, uses and maintains personal information from students and employees, at both its Vancouver Campus and its U.S. campuses in New Jersey, in a manner that is consistent with *PIPA* guidelines.

For More Information

For further information about the University's privacy policy, please contact the University's privacy officer at privacyofficer@fdu.edu.

Individuals using the Web Sites should be aware of the University's security practices, and their rights to privacy while using the University's website.

Fairleigh Dickinson University reserves the right, at its sole discretion, to make changes in these Terms of Use at any time without notice. Your continued use of the Web Sites after any such changes signifies your acceptance of the Terms of Use as revised.

[Back to Top](#)

Accessibility

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Notice of Non-Discrimination

Fairleigh Dickinson University does not discriminate on the basis of sex, race, color, creed, handicap, genetic information, pregnancy status, religion, national origin or ancestry, gender, disability, age, marital status, sexual orientation, gender identity, gender expression, and veteran status, and provides equal access to its programs, services and activities, whether they are offered in-person or online. The following are a list of person(s) who may be contacted with concerns of discrimination.

For inquiries regarding the accessibility of the University's website:

William Kennedy
Director, Web Operations
Fairleigh Dickinson University
1000 River Road, H-DH2-14
Teaneck, New Jersey 07666
Email: WAS@fdu.edu
Phone: (201) 692-7275
Fax: (201) 692-7019

For inquiries by students (and prospective students) regarding the accessibility of the University's programs, services and activities:

Lauren Mazur, Both NJ Campuses
Director, Office of Disability Support Services and Academic Support Center
Fairleigh Dickinson University
285 Madison Avenue, M-MO1-01
Madison, New Jersey 07940
Location: Room 206, Monninger Center
Email: lmazur@fdu.edu
Phone: (973) 443-8079
Fax: (973) 443-8080

Jobin Mojtabavi, Vancouver Campus
Director, Student Services and Chief Student Experience Officer
Fairleigh Dickinson University
842 Cambie Street, V-CS1-01
Vancouver, BC V6B 2P6
Location: Room 123
Email: jobin@fdu.edu
Phone: (604) 648-4460

For inquiries by employees, prospective employees, students, prospective students and other members of the University community under the Title IX and University Prohibited Discrimination Policies:

Steven Nelson
Associate VP for Administrative Operations
Fairleigh Dickinson University
Room 3317, Dickinson Hall,
1000 River Road, Mail Code: H-DH3-11
Teaneck, New Jersey 07666
Email: snelson@fdu.edu
Phone: (201) 692-2466
Fax: (201) 692-2469

In addition to the University's internal procedures, an individual has the right to file a complaint with federal and state agencies that investigate allegations of discrimination. The agency should be consulted concerning their deadlines for filing. The following are a list of external agencies that may consider such complaints.

For violations of the U.S. Civil Rights Act, including Section 504 of the Rehabilitation Act of 1973, or Title I of the Americans with Disabilities Act of 1990:

New York Office
Office for Civil Rights
U.S. Department of Education
32 Old Slip, 26th Floor
New York, NY 10005-2500
Email: OCR.NewYork@ed.gov
Phone: (646) 428-3900
TTY: (800) 877-8339
Fax (646) 428-3843

For violations of the New Jersey Law against Discrimination:

New Jersey Division of Civil Rights

Northern Regional Office

Visit:

31 Clinton Street
Newark, New Jersey 07102

Mailing:

PO Box46001
Newark, NJ 07102
Phone: (973) 648-2700
TTY: (973) 648-4678
Fax: (973) 648-4405

ADMISSIONS

Freshman/First-Year Admissions

With nationally recognized undergraduate programs and a diverse and vibrant campus life, FDU gives you a **personal, global, and transformational experience** that will feed your passions and enhance your potential.

Go for What You Love!

Enter the FDU Virtual Experience to learn about Fairleigh Dickinson University at your own pace. Check out our latest announcements, college life videos, interactive campus maps and more. It's all in one place just for you!

Apply now to receive:

- A $50 application fee waiver – Making applying quick and easy.
- An accelerated admissions decision – Reviewed personally by your Admissions Counselor.
- Maximum FDU scholarship consideration – Over and above other aid you may qualify for (submit your Free Application for Federal Student Aid at studentaid.gov).

Application Requirements

- **The Common Application:** Use the button below to apply.
- **Test Scores:** Standardized test scores are optional.
- **Transcripts**: Official high school transcripts are required.
- **Essays, Résumés and Recommendation Letters**: These supplemental items are optional, but welcome.
- **Interview**: Scheduling a one-to-one interview is optional, but welcome.

Apply by December 1 to receive:

- A $50 application fee waiver – Making applying quick and easy.

- Maximum FDU scholarship consideration – Over and above other financial aid you may qualify for.
- An accelerated admissions decision – Reviewed personally by your Admissions Counselor.

After December 1: Applications will be accepted on a rolling basis provided space remains available.

[Back to Top](#)

Vancouver Admissions

Fairleigh Dickinson University has over a 70 year history of reaching out to international students, and our reputation as a leader in global education is illustrated by the number of students from abroad who study here. The Vancouver Campus is FDU's newest campus and is situated in Vancouver, British Columbia, Canada.

Vancouver's Admissions and Student Services offices are eager to work with you from the start of the application process, including help with immigration regulations, numerous orientation programs, and cultural and social events designed to introduce you to the FDU experience and Canadian and American culture. We look forward to assisting you in the process of exploring a global education at Fairleigh Dickinson.

We can help you reach your educational goals!

Meet your Admissions Team

Mike Walkey, Senior Director, Strategic Enrollment Management

Juliana Fiorentino, Associate Director of Admissions

Natsumi Otsubo, Assistant Director of Admissions

Fiona Ma, Admissions Officer and Transfer Credit Specialist

Arpita Jain, Admissions Officer

Cintia Kussuda, Admissions Officer

Cleo Yau, Admissions Officer

Eleven Wu, Admissions Assistant

Farid Karami, Admissions Assistant

Contact Information

vancouver-admissions@fdu.edu

International Admissions

Fairleigh Dickinson University's dedication to academic excellence, numerous distinctions, notable alumni, and reputation as a leader in global education has brought thousands of students from all over the world to our campuses since 1942.

FDU is a private, not-for-profit institution hosting one of the largest international student bodies – over 1100 students from 70 countries – among American universities in our peer group. We invite you to explore the opportunities that FDU can offer you!

Mission Statement

The Office of International Admissions recruits and enrolls qualified international students and American citizens living outside the United States who have the best

potential for successful transformation at Fairleigh Dickinson University. We inform prospective students of the various opportunities available to them and guide them through the many unique steps in their personal journey to the University. We support and facilitate institutional innovation to adapt to global trends in service of the University's mission. We value and nurture our relationships with all members of the University community, institutional stakeholders, and partners.

Application Deadlines

- **Fall (August) Semester**: July 1
- **Spring (January) Semester**: December 1

Deadlines may vary according to the program. Please check your desired major's department website for more details.

Contact Information

The Office of International Admissions

1000 River Rd., Teaneck, NJ 07666 USA
T-KB1-01
global@fdu.edu
+1-201-692-2205
+1-201-692-2560
Monday through Friday 9 AM to 5 PM

Transfer Student Admissions

Transferring to Fairleigh Dickinson University is fast and easy. Transfer students, whether from a community college or a four-year institution, are provided personalized attention and academic advisement to make the transition to FDU a seamless process.

Choose a Campus

Applicants are invited to apply to either FDU's Florham Campus in Madison, NJ or the Metropolitan Campus in Teaneck, NJ. Applicants are encouraged to speak with an admissions transfer counselor so that we may assist with your application. Each campus schedules campus tours through its Office of Admissions.

Apply for Admission

Choose an application

- Complete either the Common App for Transfer or the FDU Transfer Application.
- Submit official transcripts from all colleges/universities to:

Fairleigh Dickinson University
Admissions Operations, H-DH3-10
1000 River Rd.
Teaneck, NJ 07666

When to file an application

- Applications for admission may be submitted for the fall or spring semesters, or for summer sessions.
- Applications for admission are processed on a rolling basis; students are encouraged to apply early to allow ample time to complete the application process.

Suggested application deadlines

- August 1 for the fall term.
- December 15 for the spring term.

Housing for transfer students is on a space-available basis.

Admission Requirements

Transfer Students and Advanced Standing

Transfer students will have completed 24 or more college-credit hours at an accredited post-secondary institution. Official transcripts from all colleges and universities attended must be submitted. A high school transcript need not be submitted unless requested by the admissions office. Applicants with less than 24 credits earned are considered students with advanced standing, and must submit their official high school transcript and SAT or ACT test scores in addition to college transcripts.

Evaluation of Previous Academic Work

Students with an Associate in Arts (AA) or an Associate in Science (AS) Degree can transfer in a maximum of 64 credits. Students from other four-year institutions can transfer in up to 96 credits. Course work with earned grades of A through C will be considered for transfer credit. Any transfer student who has earned an Associate of Arts (AA) or Associate of Science (AS) at a New York or New Jersey community college, and is applying for a Bachelor of Arts program, is able to fulfill their General Education requirements at FDU. Some exceptions may apply.

Community College Transfer Students

FDU Policy Re Transfer Students and General Education Credits

All incoming students with a completed AA/AS degree from a community college in NJ/NY will arrive with all of their Gen Ed requirements fulfilled (including UNIV core) — with the exception of any specific courses and prerequisites required for any given Major or Minor.

Students arriving from any community college or four-year institution without an AA/AS degree will have their incoming credits applied course for course.

If a student from a four-year institution in NJ or NY has with them an AA/AS degree from that same institution, then they will be considered to have met the General Education requirements with the same caveat as applies to those coming from NJ/NY community colleges.

Students are responsible for making certain their transcripts are submitted in a timely manner so that they can be evaluated for full credit.

Fairleigh Dickinson University has articulation agreements with most New Jersey community colleges. Prospective community college transfer students are encouraged to contact the transfer counselor at their community college for more information or call the FDU Admissions Office at 800-338-8803. More information about transferring courses from a community college to a four-year college or university in New Jersey is also available at njtransfer.org.

Awards and Financial Aid

Transfer Award

All admissible full-time transfer applicants are automatically considered for merit awards. Merit awards are based on the student's cumulative collegiate GPAs from all institutions attended, ranging up to $15,500.

Phi Theta Kappa Honor Society (PTK)

Phi Theta Kappa (PTK) members who graduate from a regionally accredited two-year institution with an associate's degree and a 3.0 GPA or above automatically qualify for an additional $2,000 annual award. Applicants must provide proof of PTK membership at the time they submit an application.

Need-Based Financial Aid

All students are encouraged to file a FAFSA in order to be considered for need-based aid. Qualifying students may receive both merit and need-based aid.

FDU Scholars/Community College Graduates

- Completed their associate degree at a partner county or community college of NJ,
- Submitted an FDU application, AND
- Been offered admission to FDU.

Students from Community College partnership institutions who choose to live on campus may receive an annual $1,500 housing grant. And if you are an NJ Stars II participant, there may be additional scholarship money available to you.

Bergen Community College and County College of Morris Program Liaisons

Interested students should set up a meeting as soon as possible to discuss how their community college curriculum requirements will also satisfy the FDU requirements. Meetings are encouraged each semester so your current college advisor, the FDU Scholars liaison, and the student, can monitor how to integrate each school's courses for a seamless transition from associate to bachelor's degree completion.

The FDU Scholars Liaisons are available frequently at Bergen Community College (BCC) and County College of Morris (CCM). The program liaisons can assist with providing information about FDU's majors. FDU strongly encourages prospective students to visit campus, and meet transfer advisors and faculty members. Call, email, or stop by to schedule an appointment.

- **BCC-FDU Scholars**
    - Contact: BCC-FDUScholars@fdu.edu, 201-493-4088
    - Location: BCC Pitkin Education Center, Center for Student Success, Room A 126B
    - Hours: Tuesday and Thursday, 9:30 AM to 5 PM

- **CCM-FDU Scholars**
    - Contact: CCM-FDUScholars@fdu.edu, 973-443-8008
    - Location: CCM Cohen Hall Alcove
    - Hours: Thursdays from 11 AM to 1 PM

As you near graduation from the community college, our academic advisors will create an FDU schedule with you for your first semester. Our goal is to help you achieve your academic dreams. We are two schools with one goal: Your success.

Contact Information
Transfer Credit Evaluations
Becton College: Debbie Dobson
973-443-8742; dpilipie@fdu.edu
Silberman College: June Giardina
201-692-2433; june_giardina@fdu.edu
International School of Hospitality, Sports, and Tourism Management: Linda Abrunzo
973-443-8273; labrunzo@fdu.edu
Gildart Haase School of Computer Sciences & Engineering (GHSCSE): Susan Seed

201-692-2284; srseed@fdu.edu

Contact Information

Transfer Admission Counselor
Marco Bermudez
201-692-7313; m.bermudez@fdu.edu

[Back to Top](#)

Adult/Nontraditional/Part-time Admissions

To Apply:

Please submit the Adult & Part-Time Application for Undergraduate Admissions.

- If applying for a **degree**, be sure to request **official transcripts** from ALL institutions attended since High School. If you have less than 24 college/university credits or never attended a college or university, request your official High School transcript. (A GED with scoresheet may be submitted in lieu of the High School transcript.)
- The University reserves the right to request additional information and supporting documents and to require further assessments, including an interview or an internal assessment.
- If you are applying as a **non-degree** seeking student and wish to take courses for credit or audit for no credit, submit the application with an **unofficial copy of your academic transcript.**

Meet An FDU Adult Student

    "No one ever says, 'I know too much — I'm just too educated.' I've learned that the more I know, the smarter I can be in making good decisions for my business."

Jerry honed his culinary skills at Philadelphia's Restaurant School at Walnut Hill College, where he earned his associate degree. While working full-time in the food industry, he also enrolled in FDU's Bachelor of Arts in Individualized Studies, with a concentration in hospitality management. A knee injury sidelined his studies when he was just 21 credits shy of graduating.

At 29, Jerry opened his first restaurant, *Food,* in Summit, N.J. "The question I asked myself back then was: 'Do I want to own just one restaurant, or do I want to think big?' Education gives you the skills and the confidence to make that leap,'" says Jerry, who returned to FDU in 2014. "In just a few years, I've gone from having one restaurant to heading up a multimillion dollar corporation. My studies at FDU are helping me think and respond on new level."

His accomplishments have even impressed Walnut Hill, which has invited him back as a commencement speaker. "I've also been offered teaching jobs," says Jerry. "But if I ever want to teach, I'll need my bachelor's degree to do that too."

Jerry says that the combination of real-world work experience and a college education are more powerful when pursued together. "You see things differently," says Jerry. "My college studies are helping me find balance in the creative, culinary and management challenges I face every day."

As a student, Jerry has taken full advantage of the advisement services offered on FDU's Metropolitan Campus. "My advisor, Dr. Denise Hart, the head of the SUCCESS program, has helped me identify classes that are relevant to my business," he says. "I've taken classes in psychology that have helped me nurture the talents of my staff — and my hospitality classes have helped me understand that critical ratio where money is made in the food business."

"I'm already thinking about continuing on for my master's in hospitality management," says Jerry. "I've got big plans for the future!"

Contact Information

Office of Undergraduate Adult and Part-Time Admissions

Fairleigh Dickinson University 1000 River Road, Teaneck, New Jersey 07666

H-DH3-10
(201) 692-2551
(201) 692-7305
achieve@fdu.edu

For Veterans

Veterans: Welcome!

Fairleigh Dickinson has long been at the forefront of efforts to help veterans. Early in our history and spurred by the first GI Bill, this university rallied around returning veterans and provided relevant academic programs that led to productive careers. We have continued this tradition, and today FDU is among the most veteran-friendly universities in New Jersey. We provide support from the time a veteran enrolls until graduation and beyond. In 2009, FDU was among twenty institutions nationwide to receive a Veterans Award Grant from the American Council on Education (ACE) and the WalMart Foundation. These grants recognized "model programs advancing access and success in higher education for veterans and their families."

FDU is dedicated to helping veterans succeed, and this is a collaborative effort across all of our campuses. As veterans return home and make the decision to attend college, we help them adapt to a new environment. Education is an important part of an individual's roadmap for success, and at FDU we look forward to guiding those who have served our Nation.

Contact Information
Office of Veterans Services

Dr. Martha Papson Garcia,
Director of Veterans Services
(201) 692-7085
Joseph Cerciello,
Assistant Director of Veterans Services
(201) 692-7077
veteransservices@fdu.edu

Admission for Veterans

Military Service Personnel…FDU welcomes you!!!

We will strive to make your experience here rewarding.

Undergraduate Studies

To gain admission to FDU as an Undergraduate Adult and/or Part-Time student, please follow the steps below:

1. Complete the Application for adult and part-time admissions.
2. Submit transcripts from all the institutions attended post-high school.
3. If you have fewer than 24 college credits, submit a high school transcript or GED with Scoresheet.
4. Freshman applicants, full-time or part-time, must submit an official SAT or ACT test score. Students who are 25 years of age or older; or a veteran, who has graduated high school and served in any of the armed forces of the United States military for two years or more prior to their intended term of enrollment, are not required to provide an SAT or ACT score. The University, however, reserves the right to request additional information and supporting

documents and to require further assessments, including an interview or an internal assessment.

5. Submit Joint Services Training (JST) documents.
6. Submit ACE transcripts.
7. For additional information please contact the FDU Office of Veterans Services.

Processing times will vary.

Graduate Studies

Thank you for your interest in graduate studies at Fairleigh Dickinson University. Our nationally recognized, respected, and relevant graduate programs focus on preparing you for professional growth and career advancement.

- Explore FDU's Graduate Virtual overview to learn more about our doctoral, master's, and graduate certification options plus highlights.
- Choose the Graduate Virtual tour for an introduction to the Metropolitan and Florham campuses: their academic facilities and their natural attractions.
- To apply for Graduate Studies, please click here: Graduate Online Application

Contact Information

Office of Undergraduate Adult and Part-Time Admissions

Fairleigh Dickinson University 1000 River Road, Teaneck, New Jersey 07666
H-DH3-10
(201) 692-2551
(201) 692-7305
achieve@fdu.edu

[Back to Top](#)

Graduate Admissions

Thank you for your interest in graduate studies at Fairleigh Dickinson University, a center of academic excellence dedicated to the preparation of world citizens through global education.

Our nationally recognized, respected, and relevant graduate programs focus on preparing you for professional growth and career advancement.

To apply for Graduate Studies, please choose from the options below:

Customized Applications

Graduate degrees requiring a custom application form:

- Doctor of Occupational Therapy
- PharmD in Pharmacy
- PhD in Clinical Psychology
- Physician Assistant/PA
- PsyD in School Psychology

USA graduate applicants applying by mail or fax

1. Print and read through the Graduate Application Instructions
2. Download, complete and submit the Graduate Application. If applicable, please use the below forms:
   - Letter of recommendation form
   - Transcript request form

3. Prepare for submission either by fax or mail, keeping one complete copy for yourself: the completed application, and supporting documents outlined below.
4. Submit documents to the Graduate Admissions Office at the appropriate campus (See Campus Information below).

For questions or more information, please contact us via email at grad@fdu.edu, or call 800-338-8803.

Readmission and visiting students

Readmission and visiting students must complete and submit the appropriate application form below, selecting either "Visiting Student" or "Readmitted Student" as the desired Degree Status within the application.

- The Application for Readmission is for matriculated students who interrupt their studies for one or more semesters, without requesting a leave of absence in writing. No application fee is required. Readmitted students will be governed by the Graduate Studies Bulletin for the academic year of readmission and will be subject to the current admission requirements.
- The Visiting College Student Application is for students enrolled at another college or university and, with permission from their current university, planning to take classes at Fairleigh Dickinson University.

Admissions status

If you need assistance in determining the admissions status appropriate for you (e.g., matriculant, non-matriculant, non-degree or auditor), please refer to the graduate admissions status terms or call the Graduate Admissions Office at the appropriate campus (See the **Campus Information** chart below.)

Campus contact information

FDU office	Metro Campus, online, and all off-campus sites	Florham Campus
Graduate Admissions	Fairleigh Dickinson University 1000 River Rd, T-KB1-01 Teaneck, NJ 07666 201-692-2554 201-692-2560 fax Email: grad@fdu.edu	Fairleigh Dickinson University 285 Madison Ave, M-RI0-01 Madison, NJ 07940 973-443-8905 973-443-8088 fax Email: grad@fdu.edu
Financial Aid	201-692-2363 Email: finaid@fdu.edu	973-443-8700 Email: finaid@fdu.edu

Enrollment Services	201-692-2214 Email: esteafdu@fdu.edu	973-443-8600 Email: esmadfdu@fdu.edu

Fairleigh Dickinson University is New Jersey's largest private institution of higher education. The University enrolls nearly 12,000 students, including nearly 4,000 graduate students. While the majority of its graduate students hail from New York, New Jersey, Connecticut, and Pennsylvania, the University also attracts a large number of international students.

Through research and education, the University strives to enhance the professional and career skills of its graduate students. Its academic quality is reflected in the outstanding achievements of the University's alumni, many of whom have reached the highest positions of leadership in their fields.

The master's degree is offered in more than 60 different areas of business administration, education, engineering, liberal arts, public administration, and the sciences.

Post-graduate certificate studies for individuals already holding a master's degree are available in many fields.

REGISTRATION AND ENROLLMENT

Registration Information

Registration Dates

- Priority Registration for Spring 2025 for continuing students opens November 4.
- Registration for Spring 2025 for new enrollees opens November 19.

Registration Notes

Web Registration is available from 8 AM to 11 PM, through the first week of the Drop/Add period. Courses with variable start dates can be registered up to the day before a class begins through Web Registration. You may access course information and register through Self-Service.

Please reference the Academic Calendar for dates on Academic Advising and Priority Registration. Priority Registration provides continuing students an advanced registration privilege. The scheduling of the date for each continuing student to register is based upon credit hours earned, with those closest to graduation receiving the highest priority. Students will receive an email approximately two weeks before the Priority Registration period notifying them of the date they may register. Priority Registration information will also be available on the FDU website during this time.

All students should register through their home campus. Please note: If you are registering for 3-4-5-6 week module courses and they are pre-requisites to one another, you must register for the courses in sequential order and you must register for one course at a time and finalize each transaction.

When selecting courses, if you select a course for which you are not eligible to enroll, your entire schedule will not be processed. Please delete this course in order to proceed and finalize your registration. You must check your schedule for accuracy when you complete the registration process.

Guidelines for General Registration

- Acknowledgment of University policy regarding academic and financial terms is required by the student prior to registering.
- If your account is on hold, you will be restricted from registering, i.e., Accounts Receivable Hold, Medical Hold, Dean's Hold, Credit Limit Hold, Loan Hold. Please contact the department responsible for the hold after checking the Self-Service link "Holds and Registration Information" under the Registration section.

- If a course has a restriction, the student will not be able to register online, i.e., (DA)Department Approval Needed, (DC)Department Chair Approval Needed, (RC)Regional Center Approval Needed, (HO)Honors Program Approval Needed. Please obtain the appropriate approval/signature and submit your request to the Office of Enrollment Services.
- Certain programs; such as EOF, Honors, and QUEST (5 year program), may require an additional advisor approval/signature.
- The system will check for pre-requisites and co-requisites. Waivers and substitutions will be recognized by the system as long as the information resides on the student transcript.
- Non matriculated students may not be permitted to participate in Web Registration.

Guidelines for Undergraduates

- Undergraduate students are required to meet with an academic advisor to prepare their schedule and to obtain access to register on the web.
- A registration form must be completed for each student and requires the student and advisor's approval/signature prior to being processed by the Office of Enrollment Services.
- During Priority Registration students must register on the days designated based on the number of credits they have completed up to, but not including the current term.
- Undergraduates can only register for a maximum of 18 credits. Additional credits are considered a credit overload and requires an additional approval and is processed by the Office of Enrollment Services.

Guidelines for Graduate Students

- Graduate students are encouraged to meet with an advisor prior to registering on the web.
- The period of eligibility to register on the web begins on the first day of Priority Registration.
- Graduate students can only register for a maximum of 12 credits. Additional credits are considered a credit overload which requires an additional approval and is processed by the Office of Enrollment Services.

Enrollment Verification

For students at FDU's two New Jersey campuses, there are two ways to obtain an Enrollment Verification: **In Person** and **Online.** For students at the Vancouver Campus, please see Vancouver Campus Enrollment Verification.

In Person Request

- Please visit the Office of Enrollment Services at either location below (no fee)

Metropolitan Campus Students: **Hours: Monday – Friday 9AM – 5PM**	**Fairleigh Dickinson University, Records Office** **1000 River Road (T-KB1-05)** **Teaneck, New Jersey 07666** **201-692-2472**
Florham Campus Students: Hours: Monday – Friday 9AM – 5PM	Fairleigh Dickinson University, Records Office 285 Madison Avenue (M-MSO-04) Madison, New Jersey 07940 973-443-8600

On-Line Request

IMPORTANT NOTE: **Online Request should only be used after the semester starts. If the link is followed before the start of a semester NO current enrollment history will be available.**

- Click on the link: https://secure.studentclearinghouse.org/vs/Index

You will be asked the following 2 questions:

WHAT would you like to verify?

- You must check the box for: CURRENT ENROLLMENT
- Start typing Fairleigh Dickinson University and select your campus

WHO would you like to verify?

- Complete the appropriate fields
- Hit Submit & continue, where you will be asked for a payment of $2.50
- Print the document

Back to Top

Change of Schedule

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A Change of Schedule provides the student the opportunity to add or drop courses based on dates from the Academic Calendar. Students are required to follow the same guidelines as an initial Registration. Students can add/drop (Change of Schedule) during the first week of the semester via Self-Service.

Withdrawing from a class

After the last day of the add/drop period, based on dates from the Academic Calendar, the student can still withdraw from courses. Withdrawal — not to be credited toward the baccalaureate requirements nor averaged into the CGPR. A student may withdraw from a course through the close of the business day on the final day of the reading day or days at the end of the academic term. After the deadline, withdrawal may be permitted for serious, documented, medical reasons or other unusual extenuating circumstances. Students requesting late withdrawal should present evidence of unusual circumstances

and/or medical documentation to the Dean of the College or Director of the School. A withdrawal may result in changes to your financial aid; for more information please visit Withdrawals, Cancellations, Refunds Policy or contact the Financial Aid Office.

[Back to Top](#)

Records Procedures and Services

The Registrar/Records office is part of The Office of Enrollment Services, which promotes the efforts of Fairleigh Dickinson University as a center for academic excellence by providing guidance and support to a diverse community of students, alumni, faculty, and administrators. The Registrar/Records office is an indispensable partner to the university's academic divisions.

Basic Functions of the Registrar/Records office:

- Maintain all academic student records
- Review, confirm and certify degrees
- Maintain and update Degree Audits
- Receive, process and verify all academic grades, and grade changes
- Oversee and process all transcript requests and degree verifications
- Process all official withdrawals and leaves of absences
- Process all changes to students' programs and personal information

Registrar/Records Procedures and Services

Transcripts

Current active students may access their unofficial transcripts on Student Self Service. To order official transcripts, please visit our Transcripts page.

Verifications

Students may request verifications of enrollment or verifications of degrees at the National Student Clearinghouse.

Graduation and Diplomas

Students may officially graduate in September, February, or May. In order to graduate in a specific semester (i.e. the semester in which all degree requirements will be completed), students must apply for graduation within the application deadline period. Please visit the Graduation and Diplomas page for details and deadlines.

Change of Information

Students requesting to change their personal information or address should visit the Change of Student Information page.

Grades

The Registrar/Records office is responsible for verifying all student grades and processing grade changes submitted by faculty. Visit the following pages for details on each of these processes:

Grading System and Grade Points

Please see the applicable Undergraduate or Graduate University Bulletin for details on Change of Grades and Grade Appeals.

Calculating your GPA

A student's grade point average (GPA) is calculated by dividing a student's total grade points by the total attempted credits. There are several factors that affect a student's GPA. For details and instructions on calculating your GPA, please visit our dedicated page here.

Degree Audit

Students are responsible for monitoring their academic progress by reviewing their Degree Audits frequently on Student Self Service.

Credits Taken at Other Academic Institutions

To obtain approval to take courses at another academic institution, students should submit an Off-Campus Authorization Form to the Office of Enrollment Services by email to Registrar@fdu.edu or secure fax to 201-692-2209. Forms may be obtained from the Office of Enrollment Services by emailing Registrar@fdu.edu. Please note Department Chair and/or Dean's signature may be required.

Prior to submitting the Off-Campus Authorization form, students should meet with an academic advisor to determine FDU course equivalencies, if any, and how the credits will apply to the student's degree requirements. To check for FDU course equivalencies, you may view: https://njtransfer.org/

Please see the University Bulletins for more information on eligibility requirements.

Leave of Absence/Withdrawal

For details on these requests, please visit Leave of Absence and Withdrawal.

Back to Top

Student Privacy Rights and FERPA

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Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act of 1974 (FERPA) is federal legislation in the United States that protects the privacy of students' education records. FERPA applies to all educational institutions that receive federal funds and affords students the right to inspect and review their education records, the right to seek to have their records amended, and the right to have some control over the disclosure of information.

Generally, the University must have written permission from the student (or under certain circumstances, the student's parent) to release any information from a student's

education record. However, FERPA allows schools to disclose those records, without consent, under limited circumstances (as described below).

FERPA for Students

Students may sign a FERPA Consent Form online on Self-Service, specifying to whom the University may release protected information, such as academic records or financial information. The University makes students aware of their rights under FERPA at orientations, in the Student Handbook, Transitioning to University Life courses, this website, by way of various academic support services, and in an annual notification as the law requires.

Students will receive an email notification reminding them of their rights under FERPA the first week of every semester. You can access the Notification online.

Fairleigh Dickinson University has determined the following definitions as they apply to FERPA compliance:

Student: any person with respect to whom the University maintains an education record, whether or not that person is currently in attendance. Persons who have not been in attendance are not "students" entitled to review their records.

Education Record: Records directly related to a student maintained by the University, excluding:

- A record kept and used by a staff member as a purely personal matter, if it is kept in the possession of the individual who made the record, and information contained in the record has never been revealed or made available to any other person except the maker's temporary substitute.
- An employment record of an individual whose employment is not contingent on the fact that he or she is a student, provided the record be used only in relation to the individual's employment.
- Records maintained by the Fairleigh Dickinson University Office of Public Safety if the record is maintained solely for law enforcement purposes.
- Records maintained by the Student Health Services if the records are used only for treatment of a student and made available only to those persons providing the treatment.
- Alumni records that contain information about a student after he or she is no longer in attendance at the University and the records do not relate to the person as a student.

- Financial records of student's parents.
- Certain confidential letters of recommendation, to include those submitted by student at the time of application to the University.
- Grades on peer-reviewed assignments or papers that are not maintained by the University.

Directory Information: The University has designated the following as "directory information." This is information that may be disclosed for any purpose, at the discretion of the University. However, students may block the sharing of this information by completing the Non-Disclosure of Directory Information form at Self-Service.

- student's name
- telephone numbers
- addresses
- official FDU email
- major and minor fields of study
- college major and year (freshman, sophomore, etc.)
- enrollment status (full-time/part-time) including credit hours
- dates of attendance
- degree sought and time
- degrees conferred, awards and honors conferred
- participation in officially recognized activities and sports
- weight and height of members of athletic teams
- the most recent previous educational agency or institution attended by the student
- fraternity and/or sorority and educational societies

If a Student Blocks Her/His Directory Information

No information may be given out about the student. By blocking one's directory information, all requests for disclosure MUST be with the written consent of the student, except in extraordinary circumstances where a specific legal exception applies. The student's name CANNOT be listed in any material or media distributed or sponsored by the University. This includes references to the student's name or picture. As an example for the extent to which this must be taken, a student who blocks her or his directory information may not be listed in any program information (athletics, dance, drama, music) or even the Commencement Program at graduation.

Enrollment Services has updated information on who has blocked their directory information. Please check with this office prior to any disclosures. A student may change her/his directory block status at any time by updating the Non-Disclosure of Directory Information form at Self-Service.

Procedures to Inspect

FERPA dictates that a school must provide a student with an opportunity to review his or her education records within 45 days of the receipt of a request. A school is required to provide the student with copies of education records or make other arrangements to provide the student access to the records if a failure to do so would effectively prevent the student from obtaining access to the records. While the school may not charge a fee for retrieving the records, it may charge a reasonable fee for providing copies of the records, if the fee would not prevent access to the records.

A student must provide written consent before the University may disclose personally identifiable information from the student's education records on behalf of the student. The written consent must state the purpose of the disclosure, specify the records that may be disclosed, identify the party or class of parties to whom the disclosure may be made, and be signed and dated.

If the consent is given electronically, the consent form must identify and authenticate a particular person as the source of the electronic consent and indicate that person's approval of the information contained in the electronic consent.

FERPA for Parents/Families

Under FERPA, institutions are not required to disclose a student's information to the student's parent, but may do so if: (a) there is written consent to the disclosure from the student, or (b) the parent requests the information in writing and provides evidence that the student is his or her dependent under the Internal Revenue Code of 1986, or (c) the student has violated a Federal, State, or local law or any rule or policy of the University regarding the use or possession of alcohol or a controlled substance, provided that the University has determined that the student has committed a disciplinary violation with respect to that use or possession and the student is under the age of 21 at the time of the disclosure.

The University provides students with the ability to provide consent through Self-Service.

A school may disclose information from a student's education records to parents without prior consent in the case of a health or safety emergency that involves the student.

Disclosure of Education Records

Prior to disclosing a student's education records, the University will obtain the student's signed and dated written consent to such disclosure as previously explained, unless consent is not required by law. Such consent is not needed for disclosure of directory information or for disclosure to:

- Fairleigh Dickinson University school officials who have a legitimate educational interest in the records.

  A school official is:

  - a person employed by the University in an administrative, supervisory, academic, research, or support staff position;
  - a person serving on an institutional governing body;
  - a person employed by, under contract to, or otherwise engaged by the University to perform a special task, such as an attorney or auditor;
  - a person or organization acting as an official agent of the institution and performing a business function or service on behalf of the institution (the function or service must be one that the institution normally would perform itself);
  - a student serving on a committee; or
  - a student assisting another school official in fulfilling his or her professional responsibilities (e.g. work study).

  A school official has a legitimate educational interest if the official is:

  - performing a task that is specified in his or her position description or by a contract agreement;
  - performing a task related to a student's education;
  - performing a task related to the discipline of a student; or
  - providing a service or benefit relating to the student or student's family, such as healthcare, counseling, job placement, or financial aid.

- To officials of another school, upon request, in which a student seeks or intends to enroll. Fairleigh Dickinson University will forward copies of such records to the parent/student upon written request.

- To certain officials of the U.S. Department of Education, the Comptroller General of the United States, the Attorney General of the United States, and state and local educational authorities, records in connection with an audit or evaluation of Federal or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of personally identifiable information (PII) to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. These agencies must obtain certain use-restriction and data security promise from their entities that they authorize to receive your PII, but the agencies need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, state authorities may collect, compile, permanently retain, and share your without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources.

- In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount, or conditions of the financial aid, or to enforce the terms and conditions of the aid.

- To parents of Fairleigh Dickinson University students (who are financial dependents of their parents), if such financial dependency is reflected on either parent's most recent federal income tax return.

- To state or local officials if required by a state law requiring disclosure and related to the juvenile justice system, under certain circumstances.

- To organizations conducting certain studies for or on behalf of the University.

- To accrediting organizations to carry out their functions.

- To comply with a judicial order or a lawfully issued subpoena. Where legally permissible, the University will make reasonable efforts to notify students that a subpoena has been received before releasing the records.

- To appropriate parties in a health or safety emergency

- Directory information as noted herein.

- With the written consent of the student.

- To a victim of an alleged perpetrator of a crime of violence or non-forcible sexual offense. (Only the final results of the disciplinary proceeding,

regardless of whether the postsecondary institution concluded that a violation was committed. Results can only be released to the victim).

- To anyone, the final results of a disciplinary proceeding, if the disclosure is in connection with a disciplinary proceeding at a postsecondary institution if it determines that the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and with respect to the allegation against him or her the student has committed a violation of the institution's rules or policies.
- To parents of Fairleigh Dickinson University students under the age of 21 regarding the student's violation of any Federal, State or local law, or any University policy/rule, regarding the use or possession of alcohol or controlled substance if the University determines the student committed a disciplinary violation.

Right to Seek Amendment of Student Records

A student has the right to request the amendment of their education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA. A student who wishes to ask Fairleigh Dickinson University to amend a record should write the school official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If Fairleigh Dickinson University decides not to amend the record as requested, Fairleigh Dickinson University will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

Right to Refuse Access

Fairleigh Dickinson University reserves the right to refuse to permit a student to inspect records excluded from the FERPA definition of education records noted herein.

Student Records and Their Locations

Academic – Office of Enrollment Services

Metropolitan Campus: 1000 River Road, Teaneck, NJ 07666 (T-KB1-05)
201-692-2214
Florham Campus: 285 Madison Avenue, Madison, NJ 07940 (M-MS0-04)

973-443-8600
Aurora Bugallo, University Registrar

Disciplinary – Office of the Dean of Students

Craig Mourton
Assistant Vice President for Student Affairs Metropolitan Campus: 1000 River Road,
Teaneck, NJ 07666 (T-DS1-01)
201-692-2190

Financial Aid

1000 River Road, Teaneck, NJ 07666 ((T-KB1-04)
201-692-2730
Renee Volak, University Director for Financial Aid

Public Safety

New Jersey Campuses: 285 Madison Avenue, Madison, NJ 07940 (M-BB1-01)
973-443-8891
Vitiello, Joseph, University Director of Public Safety

Law Enforcement or Legal Documents – Office of the General Counsel

1000 River Road, Suite 3030, Teaneck, NJ 07666 (H-DH3-03)
Phone: 201-692-7071
Fax: 201-692-7069

Records of Requests for Disclosures

Fairleigh Dickinson University will maintain a record of requests for and/or disclosure of information from a student's education records. The record will indicate the name of the party making the request, any additional party to whom it may be disclosed, and the legitimate interest the party had in requesting or obtaining the information. The eligible student may review the record.

U.S. Department of Education FERPA Laws & Guidance

Any questions concerning FERPA should be directed to the Dean of Students office on your appropriate campus.

Readmission

Students requesting readmission to the University must submit the Application for Readmission to the campus of their choice.

Instructions:

- Students who have not attended within two major semesters (fall, spring) or less, may submit the form to the Office of Enrollment Services by email to Registrar@fdu.edu or by secure fax to 201-692-2209.
-
- If one of the below items is applicable, you must submit the form to the appropriate Admissions Office for readmission:
  - You have not attended for more than two major semesters (Fall, Spring).
  - You have attended another Academic Institution during your absence from FDU.
  - You are an International Student. **Please submit form to** International Admissions.

Honors and Dean's List

Honors and Dean's List

The Honors List and Dean's List are issued each semester and contain the names of students who have achieved a grade point ratio of 3.50 and 3.20 respectively. To be eligible, full-time students must complete a minimum of 12 credits during a semester. Weighted letter grades must be earned for all courses except for one that may be taken on a P/NC basis and may be included provided that a P grade is earned. Exceptions to the 12-credit minimum are as follows:

- full-time students who are in special programs of study such as the Internship Program in Accounting or the clinical internship for allied health majors;
- students beyond 95 credits who can complete degree requirements with a reduced load.

In these special instances, all courses must be taken on a weighted letter grade basis.

Part-time students may qualify for the Honors List or Dean's List if they carry six or more credits each semester and achieve a grade point ratio of 3.50 and 3.20, respectively, for a minimum of 12 consecutive credits. Weighted letter grades must be earned for all courses except for one that may be taken on a P/NC basis and may be included provided that a P grade is earned.

Graduation Honors (Latin Honors)

An undergraduate student with a cumulative four-year grade point ratio (CGPR) of:

- 3.85 will receive their degree *summa cum laude*;
- 3.67 will receive their degree *magna cum laude*;
- 3.33 will receive their degree *cum laude*.

Only weighted grades will be included in computing honors. Only the credits taken at Fairleigh Dickinson University, a minimum of 54 credits, will be used in this evaluation.

Associate degree honors are awarded to students who achieve a 3.67 CGPR in two year programs at Fairleigh Dickinson University. This revision applies to all students entering the University as of August/September 2006 (new students and transfers). Students enrolled prior to August/September 2006 will continue to be evaluated under the criteria of the policy in effect when they enrolled.

Undergraduate students who have earned latin honors will have this distinction indicated on both their final transcript and diploma.

Honors are only applicable for undergraduate degrees

[Back to Top](#)

Apply for Graduation

How to Apply for Graduation

The application is located in Self-Service under Academic Profile. You would click on the link: Application for Graduation.

A graduation application fee will be billed to your account. The current application fee will be noted in Self-Service.

IMPORTANT

You must be an *Active* student in order to log onto Self-Service and apply for graduation. Please contact the Office of Enrollment Services for your campus in order to be readmitted and become an Active student or for additional information. For students that missed 2 or more major semesters (FA/SP) you must visit the Admissions Office in order to be readmitted.

Executive MBA Programs – *Not available* for students seeking degrees in the Executive MBA Programs; therefore, you must meet with your advisor to discuss graduation and obtain an approval form when it is time to apply for graduation.

The Office of Enrollment Services

Hours of Operation (both locations)

Monday through Friday
9:00 AM to 5:00 PM

Please contact **via email** *at Registrar@fdu.edu* or by phone as follows:

Metropolitan Campus: 201-692-2214

Florham Campus: 973-443-8600

Withdrawal or Leave of Absence

Definitions

Withdrawal from one or more courses

Students may choose to withdraw from (or "drop") one or more courses, without dropping their entire schedule. This is a Change of Academic Schedule and may incur a financial penalty depending on when it occurs in the semester schedule. See Change of Schedule for information.

Withdrawal from study at FDU

Withdrawing from all registered courses is withdrawing from the University and may incur a financial penalty depending on when it occurs in the semester schedule. A student who withdraws from study must reapply through Admissions and be accepted in order to return to FDU at a later date. See below for more information.

Leave of Absence

A leave of absence, if granted, allows students to interrupt their studies and return without penalty and may be granted for (1) medical, (2) financial, (3) employment or (4) military reasons. See below for more information.

Academic Leave of Absence/Withdrawal

Students who wish to take an Academic Leave of Absence or to withdraw from the University due to transfer, personal, or financial reasons must submit an Official Leave of Absence/Withdrawal Form. Undergraduate students can obtain the Academic Leave of Absence/Withdrawal form in the Dean of Students Office. Please see guidelines below.

Undergraduate Student Leave of Absence

An academic leave of absence allows Fairleigh Dickinson University students to interrupt their studies if necessary. An academic leave of absence permits an undergraduate student to temporarily withdraw from the University and return without penalty, may be granted only to a matriculated student with a cumulative grade point ratio of 2.00 or higher. An academic leave may cover only one semester with the privilege of renewal for one more consecutive regular semester. To request a renewal, a student must submit an appeal in writing to the Dean of Students. An academic leave of absence may be granted for (1) medical, (2) financial, (3) employment, or (4) military reasons. An academic leave of absence is not required for the summer or January sessions. For the Vancouver Campus, a leave of absence is only required for students needing to take a leave during the Fall and Spring trimesters. A leave of absence is not required for the summer session as this is considered during regular scheduled break in the academic year.

Verification in writing must be furnished where applicable by the physician, employer, or other authority. A student taking an ALOA is not permitted to take class(es) at another institution, and ALOA becomes void if academic or judicial sanctions such as suspension or dismissal are applied at a later date. Leaves granted for medical reasons require that the condition necessitating the leave be ameliorated by medical or therapeutic treatment according to current standards of treatment, including if such

standards call for continuing treatment subsequent to return to studies. Written verification from treating professionals will be required before return, and intermittently for continuing treatment. All academic leaves of absence must be approved in advance by submitting a Withdrawal and Academic Leave of Absence Form to the Dean of Students Office. Authority to grant an academic leave of absence to New Jersey campus students, or to renew leaves, resides with your respective Dean of Students. Authority to grant a leave of absence for the Vancouver Campus resides with the Enrollment Services Office.

International Students on a Study Permit will normally be required to leave the country if they take a leave of absence. If you are an international student and hold an Off-campus Work Permit and you take a leave of absence, you will be required to surrender your work permit and re-apply for a new permit after the required waiting period.

Undergraduate Withdrawal

A student must notify the Office of Enrollment Services by email to Registrar@fdu.edu, of his or her intention to withdraw from study. The penalties for withdrawing on the first day of the semester, and after, are published on page 23 of this bulletin, on the reverse side of the registration and program change forms, and in general information on Self-Service.

Graduate Student Leave of Absence

A leave of absence allows students to interrupt their graduate studies if necessary. A leave of absence is granted for one semester with the privilege of renewal for one more consecutive semester. Request for a leave of absence must be approved in writing by the student's department chairperson or school director and the college dean. (Information on procedures for requesting a leave of absence is available from the Office of Enrollment Services on each campus.) Students wishing to renew their leave of absence also must do so in writing. Students who have been granted a leave of absence will be maintained as students in good standing during the semester in which a leave of absence is taken, but will be discontinued from graduate study unless students register the semester following a leave of absence, or request and are granted an extension of the leave of absence.

Request for a leave of absence must be approved in writing by the student's department chairperson and the school director or college dean. Students wishing to renew their leave of absence also must do so in writing by submitting a request for leave of absence to the Director of Enrollment and Student Services. Students who have been granted a leave of absence will be maintained as students in good standing during the semester in

which a leave of absence is taken, but will be discontinued from graduate study unless they register the semester following a leave of absence, or request and are granted an extension of the leave of absence.

Graduate students should submit the appropriate withdrawal form to the Dean or Director of their college or school for approval.

Students who wish to return at a later date must reapply through the Admissions Office.

Graduate Student Withdrawal

Graduate students should submit the appropriate withdrawal form to the Dean or Director of their college or school for approval.

Students who wish to return at a later date must reapply through the Admissions Office.

Back to Top

Change of Academic Program

Change of Academic Program may include

- declaring a major
- adding or removing a major
- adding or removing a minor or concentration

Students who wish to change their academic program, or declare/add or remove a major or minor may do so by submitting an Official Change of Academic Program form. Forms may be obtained in the Office of Enrollment Services at your appropriate campus. Please note that the Change of Academic Program may require Director/Chair

and/or Dean's signature. Please see your appropriate academic department for more information.

Undergraduate Grade Relief Privilege

When undergraduate students find it necessary to change their academic program, they may be relieved of grades of F and, at their discretion, grades of D, in subjects not required by the new academic program, for the purpose of recalculating the grade point ratio only.

This privilege is extended only once for a student in his or her college career at Fairleigh Dickinson University and must be exercised not later than the close of the student's fourth semester. If granted, it is limited to a student who is matriculated with at least 16, but not more than 64 credits. It may not be used to circumvent prior faculty action.

This process may be implemented under the following circumstances:

1. required by a faculty evaluation, or appeals committee or by the faculty of the student's major.
2. recognition by the student, with the endorsement of one or more faculty members, including his or her adviser, department chairperson or College dean, that the student has made a wrong choice and cannot hope to succeed in his or her present academic program. **This procedure is selective and not automatic**.

[Back to Top](#)

Change or Correction of Student's Information

Change of Name

To change your name, please submit the Change of Name Application form by email to Registrar@fdu.edu or secure fax to 201-692-2209. For faxed requests, please include photocopy of a valid photo ID (i.e. Driver's License, Student ID, Passport, etc.)

Additional Required Documentation for Change of Name:

- Copy of legal document authorizing the legal change of name (i.e. Marriage or Divorce Certificate, Court Order, Adoption Documents, etc.)

Change of Other Information

To change your address, please submit the Change of Information Application form by email to Registrar@fdu.edu or secure fax to 201-692-2209. For faxed requests, please include photocopy of a valid photo ID (i.e. Driver's License, Student ID, Passport, etc.)

Correction of Social Security Number

If the student's social security number was entered incorrectly due to error, or the student has received an official change of social security number, please submit the Correction of Social Security Number via secure fax to 201-692-2209 or email Registrar@fdu.edu with inquiries.

Required Documentation for Correction of Social Security Number:

- Copy of Social Security Card
- Valid Government Photo ID (i.e. Driver's License, Passport)

TUITION AND FEES

Florham Campus Tuition and Fees

All fees, tuition and charges are subject to change at any time at the discretion of the University's Board of Trustees. Fall 2024 billing will be available on Self-Service July 22, 2024.

Application Fee

All students applying to the University for the first time and all students reapplying after a lapse of one or more semesters will be charged the application fee of $50, which will not be refunded or credited to tuition.

Tuition

Undergraduate students by entry date	Tuition per year
Full-time Undergraduate Students new to FDU (freshmen and transfer students) are charged a flat-fee tuition in the spring and fall semesters. Students are permitted to register for 12 to 18 credits per semester.	$35,944 per academic year
Full-time Undergraduate Students who entered prior to Fall 2021. Full-time students are charged a flat-fee tuition in the spring and fall semesters. Students are permitted to register for 12 to 18 credits per semester.	$49,034.00 per academic year

	Per Credit Rate
Part time Undergraduate student	$1,044.00

Students in Radiography AS program

	Per Academic Year

Radiography – Associate in Science (AS)	$27,758

Direct Fees and Expenses

Fee	Rate
Technology Fee	$1040.00
University Wellness Fee	$140.00
Returned check charge (NSF, no sufficient funds)	$25.00
Transcript Fee (per copy)	$7.00
New student fee, nonrefundable (international students, new freshmen and transfers)	$880.00
Graduation Fee (Associate and Bachelors degrees)	$270.00
Graduation Fee (Accelerated degrees)	$270.00
Florham Campus Resident Freshman Parking Fee (per semester)	$225.00
Health and major medical insurance per year:	Can be waived for domestic students. Can also be waived in certain circumstances for International Students with documentation of alternative coverage.
U.S. citizens	$1,742.00
International students	$1,742.00
OPT Service Fee	$ 500.00

	Fee for each 6 credits posted
Experiential Learning Credits	
Peace Corps	$285.00
VISTA	$285.00

Alternate Examinations and Self-Directed Learning	Fee for each 6 credits posted
CLEP Examinations	$285.00
NYU Examinations	$285.00
StaighterLine and Sophia	$285.00
TRIO (Yeshiva and Seminary Program only)	$285.00
Challenge Examinations and all other University-evaluated credit for prior learning	$285.00

Non-credit Fees	
Auditing Fee	Regular Fee equal to tuition for one credit hour for each course. Add $10.00 registration fee/technology fee and any required course fees.
Senior citizens, Metropolitan Campus (per course)	$295.00
Florham Institute of Lifelong Learning, (FILL) Florham Campus (per course) Per semester for one or more courses offered by Division of Life Experience. Fee waived if senior citizen fee of $295.00 is paid for any regular University course.	$295.00
Alumni Auditor (per course) Add $10.00 registration fee/technology fee per semester and any required course fees.	$652.00

All fees, tuition and charges for the 2024-2025 academic year are subject to change at the discretion of the University's Board of Trustees.

Indirect Costs

	Commuter	On Campus Resident	Off Campus

Transportation	$3,720	$746	$3,720
Miscellaneous	$5,066	$5,066	$5,066
Books and supplies	$1,240	$1,240	$1,240
Housing	$1,250	n/a	$11,960
Meals	$3,272		$5,022
Direct Loan Fee (if FAFSA filed)	$84	$84	$84
Plus Loan Fee (if PLUS loan)	$1,202	$1,202	$1,202

Room and Board Detail

Residence Halls

Excluded are vacation, summer session, winter session and special contractual arrangements.

Residence Hall and Occupancy	Rate per Semester
Park Avenue	
Single Occupancy	$7,924
Double Occupancy	$6,969
Rutherford	
Single Occupancy	$6,924
Double Occupancy	$5.969
Village Area without a Kitchen	
Single Occupancy	$5,422
Double Occupancy	$4,674
Conversion Suite	$4,674
Village Area with a Kitchen	
Single Occupancy	$6,130
Double Occupancy	$5,285
Twombly Halls	

Single Occupancy	$5,422
Double Occupancy	$4,674
Triple Occupancy	$3,915

Meal Plans

Excluded are vacation, summer session, winter session and special contractual arrangements. Meal plans begin the day before classes start. For Fall 2024 the scheduled meal plan start date is Saturday, August 24 at brunch and end date Wednesday, December 18. Dining Services has a modified brunch and dinner schedule on weekends, Labor Day September 2, Fall Recess October 14 and 15, and is closed for Thanksgiving break from Wednesday, November 27 through Saturday, November 30. Main Dining Hall resumes with brunch on Sunday, December 1.

For Spring 2025 the scheduled meal plan start date is Sunday, January 19 and end date is Tuesday, May 13. There will be modified dining hours and options for Spring Recess March 10 to 14. Dining hours are modified on shut down days due to inclement weather or emergencies.

Definition of Meal Exchange as used in Meal Plans below: Meal plans A, B, D and the Commuter Block 50 offer Meal Exchange, allowing students to use a Meal Swipe in exchange for a designated to-go combo meal at campus a la carte beyond our all-you-care-to-eat dining halls. A combo meal consists of a select entrée option, side and beverage and is intended to provide a full meal replacement. Students can enjoy 1 meal exchange per day, Monday through Friday, at retail outlets such as Daily Zen and Florham Perk located on the Florham Campus and Dickinson Café and the Bridge Café on the Metropolitan Campus. Meal Exchange is not in addition to the weekly meal allotment but rather a replacement. Use of a meal exchange reduces the available meals for the week. For example, Meal Plan B provides 10 meals per week, of which 5 can be used as a meal exchange. The total available weekly meals for Meal Plan B is 10, no matter how many meal exchanges are used that week. For the Commuter Block 50 plan, all 50 meals can be used as a meal exchange if no more than 5 meals per week are used.

For more information about the available Meal Plans please visit: Campus Dish

Meal Plan Annual	Description (Please note that all meal plan descriptions are subject to change.)

Meal Plan A $5,768 ($2,884 per semester)	• Unlimited All You Care to Eat meals to be used for breakfast, lunch or dinner menus in the main dining hall. Dine in only. • $210 Flex dollars to be used for retail menu purchases. Flex dollars can be used at any on campus dining location. • 5 weekly meal exchanges (1 per day Monday to Friday) • $50 1Card Dining Only Cash/Grubhub dollars to be used for off campus purchases at eateries that participate in the Fairleigh 1Card Dining and Grubhub delivery program
Meal Plan B $5,768 ($2,884 per semester)	• 10 meals per week to be used for breakfast, lunch or dinner menus in the main dining hall. Dine in only. • $550 Flex dollars to be used for retail menu purchases. Flex dollars can be used at any on campus dining location. • 5 weekly meal exchanges (1 per day Monday to Friday) – up to 5 meals can be use as meal exchange, replacing a traditional swipe. Total available meals per week remains at 10. • $100 Fairleigh 1Card Dining Only Cash/Grubhub dollars to be used for off campus purchases at eateries that participate in the Fairleigh 1Card Dining and Grubhub delivery program.
Meal Plan D $3,966 ($1,983 per semester) Only available to students living in Park Avenue on the Florham Campus and students living in Linden 6, Court 4 and	• 5 meals per week to be used for breakfast, lunch or dinner menus in the main dining hall. Dine in only

Court 6 on the Metropolitan Campus. Students living in these locations can upgrade to plans A or B.	$600 Flex dollars to be used for retail menu purchases and to supplement block meals as needed. 5 weekly meal exchanges (1 per day Monday to Friday) – meal exchange is a replacement for traditional meal swipes. Of the 5 weekly meal swipes, some or all can be used as meal exchange; however, the total for the week remains at 5 no matter how many meal exchanges are used. $50 Fairleigh 1Card Dining Only Cash/Grubhub dollars to be used for off campus purchases at eateries that participate in the Fairleigh 1Card Dining and Grubhub delivery program.
Commuter Plan	Please see FDU Florham Meal Plans to select a Meal Plan to add to your cart.

First-time full-time freshman are given $50 Fairleigh 1Card Cash. These dollars are separate from our meal plans and can be used at all on-campus and off-campus locations that accept the Fairleigh 1Card.

Back to Top

Metropolitan Campus Tuition and Fees

All fees, tuition and charges are subject to change at any time at the discretion of the University's Board of Trustees. Fall 2024 billing will be available on Self-Service July 22, 2024.

Application Fee

All students applying to the University for the first time and all students reapplying after a lapse of one or more semesters will be charged the application fee of $50, which will not be refunded or credited to tuition.

Tuition

Undergraduate students by entry date	Tuition per year
Full-time Undergraduate Students new to FDU (freshmen and transfer students) are charged a flat-fee tuition in the spring and fall semesters. Students are permitted to register for 12 to 18 credits per semester.	$35,944.00 per academic year
Full-time Undergraduate Students entered prior to Fall 2021. Full-time students are charged a flat-fee tuition in the spring and fall semesters. Students are permitted to register for 12 to 18 credits per semester.	$46,226.00 per academic year

Per Credit Rate

	Per Credit Rate
Part time Undergraduate student	$1,044.00

Students in Radiography AS program

	Per Academic Year
Radiography – Associate in Science (AS)	$27,758

Direct Fees and Expenses

Fee	Rate
Technology fee	$1,040.00
University Wellness Fee	$140.00
Returned check charge (NSF, no sufficient funds)	$25.00

Fee	Rate
Transcript fee (per copy)	$7.00
New student fee, nonrefundable (international students, new freshmen and transfers)	$880.00
Graduation Fee (Associate and Bachelor Degrees)	$270.00
Graduation Fee (Accelerated Degrees)	$270.00
Health & Major Medical Insurance Per Year	Can be waived for domestic students. Can also be waived in certain circumstances for International Students with documentation of alternative coverage.
U.S. Citizens	$1,742.00
International Students	$1,742.00
OPT Service Fee	$ 500.00

	Fee for each 6 credits posted
Experiential Learning Credits	
Peace Corps	$285.00
VISTA	$285.00
Alternate Examinations and Self-Directed Learning	Fee for each 6 credits posted
CLEP Examinations	$285.00
NYU Examinations	$285.00
StaighterLine and Sophia	$285.00
TRIO (Yeshiva and Seminary Program only)	$285.00
Challenge Examinations and all other University-evaluated credit for prior learning	$285.00

Non-credit Fees	
Auditing Fee	Regular Fee equal to tuition for one credit hour for each course. Add $10.00 registration fee/technology fee and any required course fees.
Senior citizens, Metropolitan Campus (per course)	$295.00
Florham Institute of Lifelong Learning, (FILL) Florham Campus (per course) Per semester for one or more courses offered by Division of Life Experience. Fee waived if senior citizen fee of $295.00 is paid for any regular University course.	$295.00
Alumni Auditor (per course) Add $10.00 registration fee/technology fee per semester and any required course fees.	$652.00

All fees, tuition and charges for the 2024-2025 academic year are subject to change at the discretion of the University's Board of Trustees.

Indirect Costs

	Commuter	On Campus Resident	Off Campus
Transportation	$3,720	$746	$3,720
Miscellaneous	$5,066	$5,066	$5,066
Books and supplies	$1,240	$1,240	$1,240
Housing	$1,250	n/a	$11,960
Meals	$3,272		$5,022
Direct Loan Fee (if FAFSA filed)	$84	$84	$84
Plus Loan Fee (if PLUS loan)	$1,202	$1,202	$1,202

Room and Board Detail

Residence Halls

Excluded are vacation, summer session, winter session and special contractual arrangements.

Residence Hall and Occupancy	Rate per Semester
NORTHPOINTE	
Single Occupancy	$6,532
Double Occupancy	$5,631
UNIVERSITY COURT (WITH KITCHENETTE)	
Single Occupancy	$5,808
Double Occupancy	$5,007
Triple Occupancy	$4,186
Double: Honors and Global Scholars – Year-Round	$5,259
UNIVERSITY COURT (WITHOUT KITCHENETTE)	
Single Occupancy	$5,498
Double Occupancy (Standard)	$4,740
Triple Occupancy	$3,968
LINDEN HALLS AND INTERNATIONAL HOUSE	
Single Occupancy	$5,422
Double Occupancy	$4,674
Linden Six: Year-Round Housing (Single)	$6,130
Linden Six: Year-Round Housing (Double)	$5,285

Meal Plans

Excluded are vacation, summer session, winter session and special contractual arrangements. Meal plans begin the day before classes start. For Fall 2024 the scheduled meal plan start date is Saturday, August 24 at brunch and end date Wednesday, December 18. Dining Services has a modified brunch and dinner schedule on weekends, Labor Day September 2, Fall Recess October 14 and 15, and is closed for Thanksgiving break from Wednesday, November 27 through Saturday, November 30. Main Dining Hall resumes with brunch on Sunday, December 1.

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Definition of Meal Exchange as used in Meal Plans below: Meal plans A, B, D and the Commuter Block 50 offer Meal Exchange, allowing students to use a Meal Swipe in exchange for a combo meal at campus a la carte locations beyond our all-you-care-to-eat dining halls. A combo meal consists of a select entrée option, side and beverage and is intended to provide a full meal replacement. Students can enjoy 1 meal exchange per day, Monday Through Friday, at retail outlets such as Daily Zen and Florham Perk located on the Florham Campus and Dickinson Café and the Bridge Café on the Metropolitan Campus. Meal Exchange is not in addition to the weekly meal allotment but rather a replacement. Use of a meal exchange reduces the available meals for the week. For example, Meal Plan B provides 10 meals per week, of which 5 can be used as a meal exchange. The total available weekly meals for Meal Plan B is 10, no matter how many meal exchanges are used that week. For the Commuter Block 50 plan, all 50 meals can be used as a meal exchange if no more than 5 meals per week are used.

For more information about the available Meal Plans please visit: Campus Dish

Meal Plan Annual	Description (Please note that all meal plan descriptions are subject to change.)
Meal Plan A $5,768 ($2,884 per semester)	- Unlimited All You Care to Eat meals to be used for breakfast, lunch or dinner menus in the main dining hall. Dine in only. $210 Flex dollars to be used for retail menu purchases. Flex dollars can be used at any on campus dining location. 5 weekly meal exchanges (1 per day Monday to Friday) $50 1Card Dining Only Cash/Grubhub dollars to be used for off campus purchases at eateries that participate in the Fairleigh 1Card Dining and Grubhub delivery program.

Meal Plan B $5,768 ($2,884 per semester)	• 10 meals per week to be used for breakfast, lunch or dinner menus in the main dining hall. Dine in only. • $550 Flex dollars to be used for retail menu purchases. Flex dollars can be used at any on campus dining location. • 5 weekly meal exchanges (1 per day Monday to Friday) – up to 5 meals can be use as meal exchange, replacing a traditional swipe. Total available meals per week remains at 10. • $100 Fairleigh 1Card Dining Only Cash/Grubhub dollars to be used for off campus purchases at eateries that participate in the Fairleigh 1Card Dining and Grubhub delivery program.
Meal Plan D $3,966 ($1,983 per semester) Only available to students living in Park Avenue on the Florham Campus and students living in Linden 6, Court 4 and Court 6 on the Metro Campus. Students living in these locations can upgrade to plans A or B.	• 5 meals per week to be used for breakfast, lunch or dinner menus in the main dining hall. Dine in only. • $600 Flex dollars to be used for retail menu purchases and to supplement block meals as needed. • 5 weekly meal exchanges (1 per day Monday to Friday) – meal exchange is a replacement for traditional meal swipes. Of the 5 weekly meal swipes, some or all can be used as meal exchange; however, the total for the week remains at 5 no matter how many meal exhanges are used. • $50 Fairleigh 1Card Dining Only Cash/Grubhub dollars to be used for off campus purchases at eateries that participate in the Fairleigh 1Card Dining and Grubhub delivery program.

Commuter Plan	• Please see Metro Meal Plans to select a Meal Plan to add to your cart.

First-time full-time freshman are given $50 Fairleigh 1Card Cash. These dollars are separate from our meal plans and can be used at all on-campus and off-campus locations that accept the Fairleigh 1Card.

[Back to Top](#)

Vancouver Campus Tuition and Fees

FDU Vancouver Tuition and Fees for the 2024-2025 Academic year

All fees, tuition, and charges are subject to change at any time at the discretion of the University's Board of Trustees. However, this is usually done at the start of every academic year (Fall term).

Fairleigh Dickinson University is a not-for-profit institution that relies primarily on tuition to meet its expenses. Despite the financial hardships the university faces, we continue to make needed investments in technology and space expansion to provide students with superior learning support systems.

FDU Vancouver Tuition and Fees2024- 2025

Undergraduate FDUV programs are 120 credits in length and require 8 academic terms to complete, usually over the course of 4 years.

Undergraduate Programs		
	International Students (USD)	Domestic Students (CAD)
Application Fee*	100.00	135.00
Registration Fee**	363.00	N/A
New Student Fee	612.00	826.00
Tuition Per Credit - Students who started before Fall 2023	950.00	230.00
Tuition Per Credit - Students who started on or after Fall 2023	721.00	230.00
Technology Fee	242.00	327.00
Lab fee - selected INFO, ENGR courses only	112.00	151.00
Lab fee - selected BIOL, ENVR, ENGR courses only	82.00	111.00
Graduation Fee	282.00	381.00
EPS0099 + EPS0199	2,450.00	1,031.00
Transcripts***	7.00	7.00 USD
Return Check Charge	25.00	34.00
Temporary Student Health Insurance Fee	2.10	N/A
Estimated program cost for one academic year entering before Fall 2023 (30 credits). ****	28,500.00	6,900.00
Estimated program cost for one academic year entering on or after Fall 2023 (30 credits). ****	21,630.00	6,900.00
Undergraduate Specific Courses		
	International Students (USD)	Domestic Students (CAD)
CLEP, Fee per posting (6 credit limit)*	285.00	385.00

Undergraduate Specific Courses		
Special Challenge Examination and other University-evaluated credit for prior experience.	285.00	385.00
Auditing fee, regular (per course)	652.00	880.00

*Add a $10.00 USD registration fee per semester and any required course fees.

The estimated cost for each academic year for books, supplies, and equipment varies and is about $650.00 USD, depending upon the curriculum. You may be able to reduce this cost by purchasing used textbooks or e-textbooks from the FDU Vancouver bookstore.

Graduate FDUV programs are 30 credits in length and require 4 academic terms to complete, usually over the course of 16 to 24 months.

Graduate Programs				
	International Students (USD)	Domestic Students (CAD)		
		MAS	MSACS	MHMS
Application Fee*	100.00	135.00	135.00	135.00
Registration Fee**	363.00	N/A	N/A	N/A
New Student Fee	309.00	417.00	417.00	417.00
Tuition Per Credit	1,080.00	802.00	860.00	745.00
Technology Fee	242.00	327.00	327.00	327.00
Graduation Fee	282.00	381.00	381.00	381.00
EPS5099	2,161.00	1,376.00	1,376.00	1,376.00
EPS5299	1,080.00	918.00	918.00	918.00
EPS6299	1,080.00	918.00	918.00	918.00
Transcripts***	7.00	7.00 USD	7.00 USD	7.00 USD
Return Check Charge	25.00	34.00	34.00	34.00
Temporary Student Health Insurance Fee	2.10	N/A	N/A	N/A

Graduate Programs				
Estimated program cost (30 credits). ****	32,400.00	24,060.00	25,800.00	22,350.00

*Application Fee
All students applying to the university for the first time and all students reapplying after a lapse of one or more semesters will be charged the application fee of $100.00, which will not be refunded or credited to the tuition.

**Registration Fee
The registration fee for new students is $363.00, which is a non-refundable portion of the tuition deposit.

The tuition deposit is refunded only if the study permit is denied by Canada Immigration.

***Transcripts
Each transcript costs $7.00 USD.

**** Estimated program cost
Does not include English for Professional Success Courses, foundation courses, and fees.

Does not include any financial aid or scholarships awarded to the student. Undergraduate programs only.

Graduate Specific Courses		
	International Students (USD)	Domestic Students (CAD)
Master of Administrative Science (MAS)		
MADS5000* – Internship Course (1 credit)	1,080.00	1,458.00
Master of Hospitality Management Studies (MHMS)		
HRTM7716 Field Course Lab Fee**	1,300.00	1,755.00
Master of Science in Applied Computer Science (MSACS)***		

Graduate Specific Courses		
CSCI5505 (3 credits)	1,080.00	860.00
CSCI5557 (3 credits)	1,080.00	860.00
CSCI5565 (3 credits)	1,080.00	860.00

***MADS5000**

Optional course for students who want to take an internship as part of the MAS program.

****HRTM7716** Field Course Lab Fee

This course is mandatory for those students in the Master of Hospitality Management Studies and is only offered as a field-course format with associated lab fee during summer terms.

*****CSCI 5XXX level courses**

Foundation courses that students may have to take prior to taking MSACS courses as per their admissions requirements.

FDU uses a fixed exchange rate for domestic students to calculate tuition and fees. The 2024 – 2025 exchange rate for domestic students is $1.35. This fixed exchange rate is updated every July. International Students can refer to the Daily Currency Converter to make CAD payments using cheques or bank drafts.

Terms of Payment: Fall, Spring, Summer

Tuition fees are due by the first day of classes unless the student is on a Deferred Payment Plan. New students have five (5) business days to pay their first term's tuition balance from the day their registration is completed. Students may not be allowed to attend class and their registration may be canceled if they are delinquent in payment or will be subject to late payment penalty penalties, see Make a Payment.

In addition, if students fail to pay their full tuition by the deadline, FDU shall have the right to withhold enrollment letters, official transcripts, diplomas, and any Certificate of Completion, to the fullest extent permissible by law.

Student Health Insurance Information

Fairleigh Dickinson University offers an Injury and Sickness Insurance Plan underwritten by UnitedHealthcare Insurance Company. New Jersey Department of Health legislation requires students at public and private educational institutions to maintain health insurance. The law requires those institutions to offer coverage to the student population. The Medical Insurance Plan will be charged to the student account, based on eligibility, after enrolling in courses. It may take 48 hours after registering for the student to have access to the UnitedHealthcare Student Resources website. The Medical Insurance Plan is not provided by FDU Student Health Services. For more information about the Injury and Sickness Insurance Plan, please visit University Health Plans.

Eligibility

- Undergraduate students: All full-time enrolled (12 or more credits)
- Graduate students: All full-time enrolled (9 or more credits)
- International students: Automatically enrolled (regardless of credits)

Enrollment/Waiver Deadlines

Reminders for enrolling or waiving this plan are sent to the students FDU email address. Students who wish to waive out of the Injury and Sickness Insurance Plan must provide evidence of comparable coverage.

Term	Deadline
Fall	September 30

Term	Deadline
Spring	February 28 (newly eligible students only)

Waiver Steps

1. To waive the Injury and Sickness Insurance Plan please visit University Health Plans.
2. Select 'Waiver Form' in the left-hand margin menu and follow the on screen instructions.

[Back to Top]

Summer Session Tuition and Fees

This item represents an archival copy of content posted to FDU.edu. It was retrieved from FDU.edu on **11/14/2024, 15:26:13**. Current policies, regulations and content may differ.

Undergraduate Course Summer Discounts

For summer 2024, undergraduate tuition will be standard rate for the first 3-credit course, and subsequent courses at **half tuition**. Summer discounts make summer credits an even better way to Go for 4: catch up, get ahead, solve schedule conflicts, make time for an internship, and graduate in four years (see below for program exceptions).

Graduate Course Summer Discounts

For summer 2024, graduate tuition will be standard rate for the first three credits and subsequent credits at a $100 reduction (see below for exceptions).

Please note, the following programs are exempted from the Undergraduate and Graduate discounts above:

The five-year PsyD in School Psychology, the Doctor of Pharmacy, Occupational Therapy Doctorate, Physician's Assistant Program, accelerated BSN (18 month and 24 month), and any other flat rate programs.

Tuition and Fees

The tuition for a course during Summer Sessions is determined by its number of credits, the level of the course (undergraduate or graduate), and the college or school through which it is offered. The chart below lists the per credit tuition charges for 2024 Summer Sessions.

Undergraduate Tuition Per Credit	$1044.00
Graduate Tuition Per Credit	Please see the Graduate Tuition and Fees page for rates.

Notes and Fees

Students in the EMBA, Saturday MBA program, the PhD programs in psychology and other "special billing" programs should contact the Office of Enrollment Services for Summer Session tuition and fees.

Summer discount available only for courses taken through our NJ campuses.

Summer Session Fees

Registration Fee (one time) – $23 (any number of 2024 Summer Session courses)

Technology Fee (per credit) – $12 (applies to all Summer Session courses)

University Wellness Fee (per credit) – $4 (applies to all Summer Session courses conducted on campus or blended but not study abroad

Payment Information

Payment in the form of check or money order is accepted in the Office of Enrollment Services. In addition, FDU offers a secure online payment method. Please see Payment Options for more information.

Undergraduate Part-time Tuition and Fees

All fees, tuition and charges are subject to change at any time at the discretion of the University's Board of Trustees. Fall 2024 billing will be available on Self-Service July 22, 2024.

Application Fee

All students applying to the University for the first time and all students reapplying after a lapse of one or more semesters will be charged the application fee of $50, which will not be refunded or credited to tuition.

Tuition for Undergraduate Courses

Tuition per credit (on campus)	$1,044.00
Technology Fee (per term)	$240.00
University Wellness Fee (per credit, per semester)	$4.00
Returned Check Charge (no sufficient funds)	$25.00
Transcript Fee (per copy)	$7.00
Graduation Fee (Associate and Bachelor Degrees)	$270.00
Graduation Fee (Accelerated Degrees)	$270.00

Other Fees

Experiential Learning Credits	Fee for each 6 credits posted

Peace Corps	$285.00
VISTA	$285.00
Alternate Examinations and Self-Directed Learning	Fee for each 6 credits posted
CLEP Examinations	$285.00
NYU Examinations	$285.00
StaighterLine and Sophia	$285.00
TRIO (Yeshiva and Seminary Program only)	$285.00
Challenge Examinations and all other University-evaluated credit for prior learning	$285.00
Non-credit Fees	
Auditing Fee	Regular Fee equal to tuition for one credit hour for each course. Add $10.00 registration fee/technology fee and any required course fees.
Senior citizens, Metropolitan Campus (per course)	$295.00
Florham Institute of Lifelong Learning, (FILL) Florham Campus (per course) Per semester for one or more courses offered by Division of Life Experience. Fee waived if senior citizen fee of $295.00 is paid for any regular University course.	$295.00
Alumni Auditor (per course) Add $10.00 registration fee/technology fee per semester and any required course fees.	$652.00

Other Expenses

Estimated cost for each academic year for books, supplies and equipment varies from $500.00 to $625.00, depending upon the curriculum.

Medical technology students pay a fee of $1,209.00 for the 32 college credits earned in the 12-month hospital practice period. The fee, which covers supervision of the program, is payable in the fall semester of the senior year.

[Back to Top](#)

Winter Session Tuition and Fees

The tuition for a Winter session course is determined by its number of credits, the level of the course (undergraduate or graduate), and the college or school through which it is offered. The chart below lists the per credit tuition charges for 2025 Winter session courses.

Undergraduate Tuition Per Credit	$1044.00
Graduate Tuition Per Credit	Please see the Graduate Tuition and Fees page for rates.

Notes and Fees

Students in the PhD programs in psychology and other "special billing" programs should consult their dean or director for Wintersession tuition and fees.

Wintersession Fees

Technology Fee (per credit) – $12 (applies to all Winter session courses)

University Wellness Fee (per credit) – $4

Wroxton College Tuition and Fees

All fees, tuition and charges are subject to change at any time at the discretion of the University's Board of Trustees. **These fees are2024-2025 Undergraduate fees**. Fall 2024 billing will be available on Self-Service July 22, 2024.

New tuition and fee charges for 2025-2026 will be announced in the spring of 2025. Please check with the Office of Enrollment Services for current charges.

2024-2025 Undergraduate Fees

Application Fee

- For Fairleigh Dickinson University students:
    - $0.00

- For non-Fairleigh Dickinson University students:
    - $50.00

University Wellness Fee

- $4.00 per credit
- $70.00 per semester for full time students

Tuition per Semester: FDU Students

Students are permitted to register for 12 to 18 credits per semester. Fairleigh Dickinson students pay one-half the annual full-time tuition of their home campus based on their entering date.

See: Metropolitan Campus or Florham Campus

Tuition per semester: Students from other institutions

$17,972.00

Room, Board, and Fees per Semester

$10,360.00

This charge covers:

- room and board,
- technology fee,
- textbooks,
- cultural events

but *excludes* the University Wellness Fee listed above.

[Back to Top]

Graduate Tuition and Fees

All fees, tuition and charges are subject to change at any time at the discretion of the University's Board of Trustees. Fall 2024 billing will be available on Self-Service July 22, 2024.

Fees and charges shown are for the academic year 2024-2025 or for the specific service described, unless otherwise stated.

Becton College

Subject	Degree	Tuition per Credit
Animation	MA	1,066
Animation	MFA	1,066
Biology	MS	954
Chemistry	MS	954
Communication (Florham)	MA	1,066
Cosmetic Science	MS	1,066
Creative Writing	MFA	672
Residency Fee		2,000
Creative Writing and Literature for Educators	MA	672
Residency Fee		1,000
Criminal Justice	MA	954
Film	MFA	1,066
Residency Fee		2,500
Political Science	MA	954
Corporate and Organizational Communication – dual degree – Bergamo	MA	18,317 per semester

School of Education

Per Credit

Subject	Degree	Tuition per Credit
Dyslexia Specialist Certificate		919
Education for Certified Teachers (NJ Certificate)	MA	672
Education for Certified Teachers (FDU Certificate)	MA	672
Education for Certified Teachers (Off-site)	MA	672
Education for Certified Teachers	MA	672

Education Leadership	MA	672
Learning Disabilities	MA	672
Student Services Administration	MA	672
Teaching	MAT	954
Teaching (Off-site)	MAT	954
Teaching English as a Second/Foreign Language (TESL/TEFL)	MA	954

GHSCSE

Per Credit

Subject	Degree	Tuition per Credit
Computer Engineering	MS	954
Computer Science (Florham/Metro)	MS	954
Cybersecurity and Information Assurance	MS	954
Electrical Engineering	MS	954
Management Information Systems	MS	954

ISHSTM

Subject	Degree	Tuition per Credit
Hospitality Management Studies	MHMS	672
Hospitality Management Studies (Off-site)	MHMS	672
Sport Management	MSM	672
Hospitality – dual degree – Bergamo	MS	18,317 per semester

School of Nursing and Allied Health

Subject	Degree	Tuition per Credit
Doctor of Nursing Practice Program	DNP	1,578
Doctor of Nursing Practice Program Fee	DNP	256

Nursing	MSN	1,235
Nursing Post-Graduate Certificate		1,235

School of Public and Global Affairs

Per Credit

Subject	Degree	Tuition per Credit
Administrative Science	MAS	672
Administrative Science (Online and Off-site)	MAS	672
Cyber and Homeland Security Administration	MS	672
Global Affairs	MA	672
Healthcare Administration	MHA	672
Public Administration	MPA	672
Public Administration (off-site)	MPA	672

Note:

Exclusions apply. The above tuition rates do not apply to certain online programs or programs offered under specific rate agreements. Other exclusions may apply. Please confirm your program's tuition with the Office of Enrollment Services.

Silberman College of Business

Per Credit

Subject	Tuition per Credit
Accounting MS	1,112
MBA or MBA with specialization	1,112
MBA for Executives: General Management Specialization	1,605
MBA (Saturday)	1,112
Supply Chain Management MS	1,112

Taxation MS	1,112
Lakewood or Montvale (PCS) MBA, MS Accounting	1,112
Lakewood or Montvale (PCS): CPA certificate completion, per course	522

Annual

Degree Program	Annual
	(inclusive of Technology Fee)
MBA Executive – Fall Cohort	36,125
MBA Executive – Spring Cohort	36,125
MBA in Healthcare Management – Fall Cohort	36,125
MBA in Healthcare Management – Spring Cohort	36,125

School of Psychology and Counseling

Per Credit

Subject	Degree	Tuition per Credit
Clinical Psychopharmacology	MS	611
Practicum (non-credit course)		592
Forensic Psychology	MA	672
General Theoretical Psychology	MA	1,066
Industrial Organizational Psychology	MA	1,066
School Psychology + Certification	MA	1,235
Advanced PsyD	PsyD	1,235
Psychology/Social Work 5YR 3+2 program		1,235
Clinical Mental Health Counseling	MA	1,235
e-Learning Fee (per semester) $74		

Annual

Tuition or Fee	Annual or as specified
PhD in Clinical Psychology (Full-Time PhD Students)	46,836
Technology Fee (annual)	1,040
Dissertation (per semester)	5,624
Internship Charge (per semester)	290
Dissertation Maintenance (per semester)	574
PsyD in School Psychology: 5yr program (Full-Time PsyD Students per academic year for first 3 years, per credit in years 4 and 5)	46,836
Technology Fee (annual)	1,040
Dissertation (per credit)	1,578
Internship Maintenance Charge (Summer)	290
Dissertation Maintenance (per semester)	574
PsyD in School Psychology: 3yr program (Full-Time PsyD Students, per credit)	1,578
Technology Fee (annual)	1,040
Dissertation (per credit)	1,578
Internship Maintenance Charge (Summer)	290
Dissertation Maintenance (per semester)	574

School of Pharmacy and Health Sciences

Degree Program	per credit
Health Science MHS	954

Annual

Degree Program	Tuition or Fee

Doctor of Pharmacy Program	44,424
Doctor of Pharmacy Program – Dual Degree MS/MHS/MA Track	48,924
Doctor of Pharmacy Program – Dual Degree MBA/MPA Track	51,424
Doctor of Pharmacy Program – Dual Degree, MPH Track	51,424
Technology Fee (annual)	1,040
E-learning Fee, per year, year 1 (includes iPad)	1,680
E-learning Fee, per year, year 2-4	856
Remedial Courses (per credit)	1,578
Student Services Fee, per year	384

Per Semester

Degree Program or Fee	Per Semester or as specified
MS in Physician Assistant Studies, per semester: See PA Program Total Estimated Cost of Attendance	20,000
Remedial Courses (per credit)	1,235
Technology Fee, per semester	520
Wellness Fee, per semester	70
E-learning Fee, per semester	425
Medical Equipment Fee, per semester	170
Student Services Fee, per semester	420
Doctor of Occupational Therapy, per semester	15,000
Remedial Courses (per credit)	1,578
Technology Fee, per semester	520
E-learning Fee, per semester	425
Medical Equipment Fee, per semester	170
Student Services Fee, per semester	420

Direct Charges Entering 2025	Tuition	Fees	Total Estimated Direct Charges
Semester 1 (Summer)	$15,593	$1,555	$17,148
Semester 2 (Fall)	$15,593	$1,555	$17,148
Semester 3 (Spring)	$15,593	$1,555	$17,148
Semester 4 (Summer)	$15,593	$1,555	$17,148
Semester 5 (Fall)	$15,593	$1,555	$17,148
Semester 6 (Spring)	$15,593	$1,555	$17,148
Semester 7 (Summer)	$15,593	$1,555	$17,148
Semester 8 (Fall)	$15,593	$1,555	$17,148
Total Estimated Direct Charges	$124,744	$12,440	$137,184

Notes:

- Housing, transportation, and other expenses may vary based on individual circumstances
- Tuition for Semester 4 and later subject to up to a 5% annual increase
- Fees do not include health insurance and are subject up to a 5% annual increase in Semester 4 and later

Online Division (per credit)

Degree Program	Per credit
Dual Master's Degree Public Administration and Public Health	926

EdD in Higher Education	1,038
Dissertation Maintenance, per semester	574
Master of Administrative Science	672
Master of Arts in Student Services Administration	672
Master of Business Administration	1,038
Master of Public Health	1,095
Master of Science in Cyber and Homeland Security	672
Master of Science in Cybersecurity and Information Assurance	926
Master of Science in Digital Marketing	1,038
Master of Science in Nursing – Family Nurse Practitioner (No longer admitting into this program)	926
Master of Science in Nursing – Nursing Education (No longer admitting into this program)	926
Master of Social Work	926

Direct Fees (per academic year or per credit as noted)

Note: Direct fees for graduate programs of some colleges and schools are found above, along with the respective program tuition. In other cases, the fees below will apply.

EPS –credit course fee (a course required of those international students upon result of a placement exam).	1,006
Technology Fee: Full-Time Students	1,040
Technology Fee: Part-Time Students	480
Technology Fee: Winter & Summer Sessions (per Credit Hour)	12
Technology Fee: Per Credit Hour for Off-site Locations – All Terms	12
University Wellness Education Fee Per Credit Hour	4
Matriculation Maintenance Fee: Masters Program (per Semester)	156
Proficiency Examination	298

Auditing Fee (per Course):	
Regular Fee equal to tuition for one credit hour for each course. Add $10.00 registration fee/technology fee and any required course fees.	
Senior Citizens (Metropolitan Campus)- Audit only option	295
Florham Institute of Lifelong Learning (FILL) Florham Campus (per course). Fee waived if senior citizen fee of $295.00 is paid for any regular University course.	295
Division of Life Experience (FILL) per semester for one or more courses.	295
Alumni Plan Add $10.00 registration fee/technology fee and any required course fees.	652
Per Semester:	
Div. of Life Experience (EPOP) (Per Semester for one or more courses)	
Replacement of Student ID Card (2nd and subsequent replacements)	25
Application Fee: Masters Degree	50
Application Fee: Doctoral Degree	50
Health and Major Medical Insurance is Mandatory for Graduate Full-Time Students only. Can be waived for domestic students. Also, can be waived in certain circumstances for International Students with documentation of alternative coverage.	
Domestic or International: Full Year	3,519
Domestic or International: Entering Spring Semester	2,180
Transcript Fee (per Copy)	7
Graduation Fee (Masters Degree)	270
Graduation Fee (Doctoral Degree)	558
OPT Service Fee	500

Indirect Costs

Cost	Annual

Housing	$11,960
Meals	$5,022
Books	$1,240
Transportation	$3,720
Miscellaneous	$5,066
Direct Loan Fee (if FAFSA filed)	$640
PLUS Loan Fee (if PLUS loan)	$1,202

[Back to Top](#)

Make a Payment

Online Payment Options

The University has partnered with third party services TouchNet and Flywire to provide a convenient online payment option. TouchNet is available seven days a week, but shuts down from 10PM to 11PM each evening. Please visit our Payment Information page for other payment methods and information.

Deposits

Deposit through FDU's Marketplace via TouchNet can be made by Electronic Check (ACH) or Credit Card (American Express, Discover, Mastercard, Visa and other credit cards).

The 'For Deposits Only' button provides payment for the following deposits:

- All Tuition Deposits

- Residence Hall Deposits
- Accelerated Nursing Deposit
- Pharmacy School Acceptance Fee

For Deposits Only

Payment for Student Account Balances

Payments through Self-Service via TouchNet can be made by Electronic Check (ACH) or Credit Card (American Express, Discover, Mastercard, Visa and other credit cards)

The 'Pay with Self-Service' button will redirect you to make a payment towards the students balance. The student must log in to Self-Service using their student NetID and password. Once logged in, the student will select 'Payments/PaymentPlans/1098T' found underneath the section 'Financial Information'. Payments through this link could include:

- Tuition
- Residence Halls and Food Service
- Other fees and expenses

- **For Students:** Log onto Self-Service and then click on 'Payments/Payment Plans/1098T' in the 'Financial Information' section.
- **For Parents/Guardians:** Student would need to set up an "Authorized User" on TouchNet. Then the "Authorized User" will receive an email with their credentials to login. You should have your student authorize your access to the TouchNet site if you pay your student's bill.

Wire Transfer

Wire Transfers via Flywire are for International or Non-U.S. transfers only

The 'Wire Transfers' button will redirect you to make a payment towards the student's balance.

1. Select the country you're paying from and the amount you wish to pay
2. Pick the local currency option most convenient to you

3. Follow the instructions to send your money to the Flywire account provided on the final step. For bank transfers, you will need to request your bank process the payment.

4. Track the progress of your payment via Flywire and through e-mail updates

[Back to Top](#)

Payment Information

Terms of Payment

The student's portion of the outstanding balance is due by the University deadline dates:

Term	Payment Deadline
Fall	August 15
Winter	Prior to start of class
Spring	January 15
Summer	May 15

If you register after the payment deadline, you are required to present full payment at the time of registration or satisfy your bill via financial aid and/or a payment plan. It is the University's policy that students with outstanding charges will not be permitted to register for courses, move into the residence halls or utilize the food services plan.

Payment Methods

The University has partnered with third party services TouchNet and Flywire to provide a convenient online payment option. TouchNet is available seven days a week, but shuts down from 10 PM to 11 PM each evening.

- **For Students:** Log onto Self-Service and then click on 'Payments/Payment Plans/1098T' in the 'Financial Information' section.
- **For Parents/Guardians:** Student would need to set up an "Authorized User" on TouchNet. Then the "Authorized User" will receive an email with their credentials to login. You should have your student authorize your access to the TouchNet site if you pay your student's bill.

Paying Online

- **ACH (Electronic Check) via TouchNet**

  Using a secure website through TouchNet, you may authorize an electronic debit to your checking or savings account. This service is provided to you free of charge.

- **Credit Card via TouchNet**

  TouchNet accepts the following credit/debit cards:

  - Visa
  - Mastercard
  - American Express
  - Discover
  - Diners Club
  - BC Card
  - DinaCard

  Please know that a non-refundable convenience fee, based on the amount of the payment, covers the credit card service and is retained in full by TouchNet, not Fairleigh Dickinson University. The fee will be displayed for your review and acceptance before your payment is processed.

- **Wire Transfer (International transfers only) via Flywire**

  1. Eliminate hidden bank fees – ensure Fairleigh Dickinson University receives the correct amount.

2. Save on exchange rates – in most cases you can make payments in your local currency; FlyWire will process the currency exchange offering you wholesale exchange rates– offering you wholesale exchange rates unmatched by traditional banks.
3. Peace of mind – 24×7 multilingual customer support when you need it most. Know where your payment is in the bank transfer process.

Paying by mail

- **Check**

  Checks can be made payable to Fairleigh Dickinson University and mailed to the Office of Enrollment Services (see contact card below). Please include the student's name and seven-digit FDU ID number on the check.

Paying in person

Payment by check or money order is accepted in the Office of Enrollment Services. In addition, FDU offers a secure online payment method. Please see Payment Options for more information.

Returned payments

Payments returned for insufficient funds made through ACH (electronic check) or paper check are subject to a $25.00 charge.

Payment Plans

Fairleigh Dickinson University offers the following three payment plans to help make a college education more affordable.

FDU Deferred Payment Plan

A payment plan is available for the Fall or Spring terms to pay down your charges in 4 monthly installments. A payment plan is also available for Summer term to pay down your charges in 3 monthly installments.

The deferred payment allows you to make an initial 25% down payment (33% down payment in Summer) on the total balance for the term. A $45 per term application fee is

assessed for those who choose this plan. The balance due is then paid in 3 consecutive monthly installments (2 installments in Summer).

Receive email notifications as your plan adjusts.

Setup automatic installment payments -or- pay online at your convenience without scheduling automatic payments.

A separate application must be completed for each semester.

Term	Enrollment Begins	Down Payment	1st Installment	2nd Installment	Final Installment
Fall	August 1	August 15	September 15	October 15	November 15
Spring	December 15	January 15	February 15	March 15	April 15
Summer	May 1	May 15	June 15	N/A	July 15

To set up a payment plan

- **For Students:** Log onto Self-Service and then click on 'Payments/Payment Plans/1098T' in the 'Financial Information' section.
- **For Parents/Guardians:** Student would need to set up an "Authorized User" on TouchNet. Then the "Authorized User" will receive an email with their credentials to login. You should have your student authorize your access to the TouchNet site if you pay your student's bill.
- **IMPORTANT INFORMATION WHEN SETTING UP YOUR PAYMENT PLAN:** If your financial aid and/or bill changes, your payment plan will RECALCULATE. If you do not want the University to have the capability to increase or decrease the amount withdrawn from your checking or credit/debit card, *DO NOT SELECT* "Automatic Payments".

Corporate Reimbursement Deferred Payment Plan

Students who receive tuition reimbursement from their employers at the end of a semester can enroll in the Corporate Reimbursement Deferred Payment Plan. A 4% carrying charge applied to the entire term balance is due upon enrolling in the plan.

Term	Due Date
Summer Sessions I and II	August 15
Summer Session III	September 30
Fall	February 15
Winter	March 5
Spring	June 30

Corporate Reimbursement Forms

Corporate Voucher / Direct Payment Plan

- If your employer pays the University directly for tuition and fees, all qualified students must present a tuition voucher to the Office of Enrollment Services at the time of their registration. If they choose to register via the web, the voucher must be submitted within 5 days of registration.

Late Payment Charges

Late payment charges are assessed in accordance with the appropriate schedule below. Such charges will be assessed at the time any payment (full or partial) is made, against the payment made, and shall be added to the then outstanding balance.

Fall Term	Spring Term	Charge
August 18 to October 5	January 18 to February 28	2%
October 6 to November 2	March 1 to March 31	4%
November 3 to November 30	April 1 to April 30	6%
December 1 to January 3	May 1 to May 31	8%
January 4 to January 31	June 1 to June 30	10%
February 1 and thereafter	July 1 and thereafter	12%

Summer Terms	Winter Terms	Module Courses	Charge
Weeks 1 and 2	*After first day of class	*After first day of class	2%
Weeks 3 and 4			4%
Weeks 5 and 6			6%

12% late fee will be assessed on any unpaid balance at the end of the term

Contact Information

Office of Enrollment Services

201-692-2214
Metropolitan Campus
Metropolitan Campus
1000 River Road
Teaneck, NJ 07666
T-KB1-05
973-443-8600
Florham Campus
Florham Campus
285 Madison Ave
Madison, NJ 07940
M-MS0-04
Bursar/Registration:
Metropolitan Campus
esteafdu@fdu.edu
Florham Campus
esmadfdu@fdu.edu
Monday through Friday
On-campus Office Hours
9 AM to 5 PM

FINANCIAL AID AND SCHOLARSHIPS

Undergraduate Financial Aid

The FDU Office of Financial Aid has begun sending financial aid offers to admitted students.

NOTE: If you are an admitted undergraduate student and have not yet submitted a Free Application for Federal Student Aid (FAFSA), we encourage you to do so in order to ensure you receive maximum financial aid consideration.

The Financial Aid Office wants to ensure that you can review your personal financial aid offer with a financial aid counselor and get answers to your questions. Please see the three options below for setting up time to meet with a financial aid counselor.

Schedule an In-Person, Phone or Zoom Appointment:

Monday to Friday: 9 AM to 5 PM

Summer Hours are Monday through Thursday 9 AM to 5PM until August 16.

Fairleigh Dickinson University administers a variety of academic and need-based funding from federal, state and University sources. Financial aid is available to qualified full-time and part-time matriculated students at Fairleigh Dickinson University. Students applying for financial aid are considered for every program for which they are eligible.

If you have additional questions concerning the Metropolitan Campus, we can be reached at 201-692-2363. For questions or concerns regarding the Florham Campus,

we can be reached at 973-443-8700. Also, you may email your questions to finaid@fdu.edu

The FAFSA should be completed EVERY year in order to determine eligibility. The form is available on studentaid.gov/.

New students are expected to file their application no later than March 15.

Returning students are expected to file their application no later than April 15.

Financial aid awards are processed annually and are offered upon continued financial need, enrollment status, availability of funds, and maintaining satisfactory academic progress. In addition, a student may not be in default and/or may not owe a refund on any Title IV and/or HEA Loans and grants.

If financial concerns are preventing you from attending, please consider appealing by contacting us at review@fdu.edu. We are dedicated to helping you make an informed decision in a timely manner. Once you have submitted your appeal and any additional documents we may need to review, we'll have a decision for you within a week.

College Financing Plan

For information about the College Financing Plan, please see College Financing Plan page.

International Students and Athletes

International students are not eligible for federal, state or University need-based financial aid. However, international students are eligible for athletic funding, as provided by the National Collegiate Athletic Association (NCAA) guidelines, as well as academic scholarships.

Contact Information

Financial Aid Office

finaid@fdu.edu
201-692-2363
Metro Campus
973-443-8700

Florham Campus

Financial Aid Staff

University

- Renee Volak, University Director, reneev@fdu.edu
- Theresa Coll, Director of Operations, coll@fdu.edu
- Marion McCollum, University Associate Director, marion_mccollum@fdu.edu
- Harry Tongue, University Associate Director, tongue@fdu.edu

Florham Campus

- Emily Grant, Director, ewgrant@fdu.edu
- Paola Yanez, Associate Director, p.yanez@fdu.edu
- Sadiailen Companioni-Torres, Assistant Director, scompanioni@fdu.edu
- Migali Ramirez, Assistant Director, migali@fdu.edu
- Rachel Valatkavage, Financial Aid Coordinator, r.valatkavage@fdu.edu

Metropolitan Campus

- Carmen Ferrari, Director, cmf@fdu.edu
- Arlene Marte, Associate Director, arlene_marte@fdu.edu
- Dawn Grasso, Assistant Director, steeled@fdu.edu
- Catherine Lorenzo, Assistant Director, clorenzo@fdu.edu
- Karoll Madera, Assistant Director/Scholarships, k.madera@fdu.edu
- Madeleyn Rodriguez, Assistant Director, martim@fdu.edu
- Nora Polak, Financial Aid Coordinator, polak@fdu.edu
- Diane DiGeronimo, Financial Aid Coordinator, dianed@fdu.edu

FDU Advantage

At Fairleigh Dickinson University, we are committed to providing a high-quality, private college education that is affordable and accessible for all students.

As part of this commitment, our FDU Advantage Program offers an extra level of tuition support for New Jersey students demonstrating high financial need.

The FDU Advantage Program provides annually renewable, full-tuition coverage if a student's FAFSA (Free Application for Federal Student Aid) indicates the student receives:

- Maximum Pell Grant, and
- Maximum New Jersey Tuition Assistance Grant (TAG), and
- Student Aid Index less than or equal to $0.

If your family meets all of the above criteria, you may be eligible for full-tuition support through our new FDU Advantage Program.

Eligibility for both the federal Pell Grant and the New Jersey Tuition Assistance Grant (TAG) is determined upon data received from your FAFSA application. To complete and submit your FAFSA application, visit the Federal Student Aid website.

Terms and Conditions for FDU Advantage Program Eligibility

The FDU Advantage Program is offered to students in their fall and spring semesters, for up to four years. Students must be eligible in their first year of enrollment at FDU. Eligibility is contingent upon satisfactory academic progress as a full-time student at either the Florham or Metropolitan campus (and not while studying at any partner institution). Only those students who continue to demonstrate great financial need as outlined above will be eligible to receive any benefit under the FDU Advantage Program each academic year. Partial awards are not available for those students who do not meet all eligibility requirements in each semester, in full.

Back to Top

Applying for Financial Aid

All students and their families are encouraged to apply for financial aid at Fairleigh Dickinson University.

Fairleigh Dickinson University administers a variety of academic and need-based funding from federal, state, and University sources. Financial aid is available to qualified full-time and part-time matriculated students. Only one form is required to determine eligibility: the **Free Application for Federal Student Aid (FAFSA)**. The FAFSA is available online at studentaid.gov/. Historically, the FAFSA has been available beginning October 1 each year. However, because of significant changes to the application and the rebuild of the FAFSA processing system, the 2025-2026 FAFSA will become available on December 1, 2024.

FDU's Federal school code is 002607.

Important Deadlines and Notes

Deadlines

- The recommended deadline for filing the FAFSA is **April 15** for maximum financial aid consideration.
- **You must reapply for financial aid each year while you are in school by filing the FAFSA.**

Renewal of financial aid is based on continued financial need, enrollment status, availability of funds, and maintaining satisfactory academic progress. Students with extenuating circumstances that are not reflected on the FAFSA are encouraged to visit the Office of Financial Aid at any point during the year. Additional financial aid may be available; documentation of circumstances will be required for a re-evaluation and consideration of additional financial aid.

Verification

Students who are selected for verification by the Department of Education will be required to submit additional documentation to the Office of Financial Aid so that the information reported on the FAFSA can be verified. As a result of verification, your financial aid award may need to be adjusted. Students selected for verification will be notified of the required documentation and the time in which the documentation must be received. Failure to provide the documentation may result in cancellation of financial aid.

International Students

International students are eligible for academic scholarships as well as athletic funding, as provided by the National Collegiate Athletic Association (NCAA) guidelines. However, international students are not eligible for federal, state, or University need-based financial aid.

Financial Aid Awards

A financial aid package, or award letter, combines all types of aid that you qualify for at Fairleigh Dickinson University. Your financial aid award letter will list separately each type of aid – such as scholarships, grants, loans, and work-study – and the annual amount of each. Aid comes from a variety of sources – federal, state, university, and private.

Each type of aid has its own eligibility requirements. Some are based entirely on financial need; others are based on academic merit, or a combination of both financial need and academic merit.

- **Scholarships and grants** are "free" money and do not need to be repaid.
- **Work study** funds are "earned" dollars for campus-based employment.
- **Federal loans** must be repaid once the student graduates, withdraws, or drops below half-time status.

Financial Aid and Your Account

Any financial aid you receive that is administered by the Office of Financial Aid (e.g., scholarships, grants, and loans) will appear on your account and will be applied directly to your institutional charges.

Financial aid disbursements will appear as a credit on your FDU student account within 10 days of the end of the Add/Drop period for the term and will apply towards any outstanding eligible charges such as tuition, fees, and on-campus housing, if applicable.

- Financial aid refund checks are disbursed after your tuition, fees, and any other eligible charges on your FDU student account are paid. Any remaining financial aid will be refunded to you.
- Generally, if financial aid has disbursed into your student account and a credit is created, you can expect to receive a refund within 10 days of the disbursement.
- Expenses such as books, which are included in your estimated financial aid budget, do not appear on your account statement. They are an indirect cost. You can use the funds received in a refund to help pay these costs.
- Federal Work-Study funds do not appear on your account statement as it is not an award that is paid up front towards your bill.
- Work-Study gives you the opportunity to apply for a work study job, and if hired, you earn the award by working and receiving paychecks.
- If you have a private scholarship and the scholarship check was sent to you, please submit this check to the Enrollment Services Office to be credited to your student account.

Tuition Payment Options

Fairleigh Dickinson University makes every attempt to assist students and families in meeting a student's financial need, though this is not guaranteed. The financial aid package may not cover all college expenses. Students and families may look to various educational loan programs to assist with these costs or may wish to use a tuition payment plan. See payment terms for more information.

Back to Top

Financial Aid FAQs

How and when do I apply for financial aid?

The first step is to file a Free Application for Federal Student Aid (FAFSA) to apply for federal, state, and university funded financial aid. The priority FAFSA filing date for all students is April 15.

Where do I get the FAFSA form?

The FAFSA is available online at https://studentaid.gov/. Historically, the FAFSA has been available beginning October 1 each year. However, because of significant changes to the application and the rebuild of the FAFSA processing system, the 2025-2026 FAFSA will become available on December 1, 2024. Be sure to include FDU's Federal school code: 002607.

Given our family's financial situation, isn't a private college out of our league?

No student should rule out a college education based solely on cost. Most colleges, including Fairleigh Dickinson University, have created generous aid and payment programs that enable students to choose a school based on merit – not price. Your child should choose a school because it offers the educational experience and learning environment that's best for him or her. Remember, few students pay the published "sticker" cost of an education. More than four out of every five students at Fairleigh Dickinson University receive generous financial aid and scholarship support.

Isn't our income too high to qualify for financial aid?

Private colleges like Fairleigh Dickinson have aid programs designed to help families from a wide range of income brackets. Regardless of your family income, you are encouraged to apply for financial aid. There is no set income limit – each financial aid decision is based on individual family circumstances.

Does applying for aid affect the University's admission decision?

No. Fairleigh Dickinson University follows a "need blind" admissions policy, meaning that we admit students based on their ability to succeed here, not on their ability to pay. Your child's admissions application is reviewed by the Office of University Admissions, while all financial aid reviews are made by the Office of Financial Aid.

What is considered "full-time status"?

Full-time undergraduate students must carry a minimum of 12 credit hours per semester. Full-time graduate students must carry a minimum of 9 credit hours per semester.

Do I have to apply for financial aid every year?

Yes. You must reapply for financial aid each year in order to reassess your financial need. Depending on your circumstances, your family contribution may increase, decrease, or stay the same.

How much does it cost to attend Fairleigh Dickinson University?
Information about tuition and fees can be found at Tuition and Fees.

Is my child's financial aid package annually renewable?
Most FDU-funded scholarships and grants are annually renewable as long as the student carries a full-credit load and maintains satisfactory academic progress.

What are our chances of receiving financial aid?
Better than you might expect. In fact, 97 percent of our students receive generous financial aid and scholarship support. FDU awards $66+ million in need and scholarship aid.

Will we receive the same amount of aid from any college?
Generally, the higher the price to attend a school, the greater the financial aid package. That's because your financial need is determined by deducting your Student Aid Index (SAI) from the Total Cost of Attendance (COA). Your SAI remains the same, regardless of the school chosen. The greater your educational expenses, the more financial aid you are likely to receive.

What is a financial aid offer?
A financial aid offer is a list of the gift aid (such as scholarships and grants) and self-help aid (such as loans and work-study employment) available to you to help fund your education.

How will I know what my financial aid offer contains?
You will receive a financial aid offer listing separately each type of aid – such as scholarships, grants, loans, and work-study – and the amount of each.

Do I need to repay this money?
Scholarships and grants are "gift" money and do not need to be repaid. Work study funds are "earned" dollars for campus-based employment and do not need to be repaid. Loans must be repaid once the student leaves school.

What do I do if I feel that I have a "special circumstance"?
If there is anything you feel should be brought to our attention, contact our office in writing so we may have a record of these circumstances. Depending on the circumstances, we may be able to use this information in determining financial need.

Is there a tuition payment plan?

Yes, more information is available at payment terms.

Back to Top

Rights and Responsibilities

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Student Rights:

- To know the source(s) and amount(s) of aid for which they are eligible
- To an explanation of all aid sources including what sources must be repaid
- The procedures for applying for various sources of aid and deadlines for applying
- To have complete information regarding fees, payment and refund policies available to you
- To request a reevaluation if circumstances change
- To have all personal and family financial information treated confidentially

Student Responsibilities:

- Provide accurate information to the Office of Financial Aid
- Provide any additional information requested during the application process
- Use financial aid for educational expenses only
- Maintain Satisfactory Academic Progress (SAP)
- Report any additional financial aid received from outside sources
- Repay all loans according to your established payment schedule. If you are in default on a loan, you are not eligible for additional financial aid

- Repay any prior over award of financial aid

[Back to Top](#)

Terms and Conditions

Your financial aid offer is based on attendance as a full-time student (at least 12 credits/semester for undergraduate students; at least 9 credits/semester for graduate students) and your anticipated housing plans as reported (on-campus or commuter). Estimated costs for the academic year may be found online: https://fdu.edu/coametro or https://fdu.edu/coaflorham. You must inform the Office of Financial Aid immediately (in writing via email at finaid@fdu.edu) of any changes in either your enrollment or housing plans so that your financial aid may be reevaluated accordingly.

If you have been selected for verification by the US Department of Education, additional documentation will be requested under separate cover. The verification process may lead to revisions to your financial aid awards. The Office of Financial Aid reserves the right to request verification of any data submitted by the student and/or parents that was considered in the financial aid award offer. Your financial aid award offer is subject to the receipt and processing of any information/documentation requested by the Office of Financial Aid.

Financial aid award offers are contingent upon maintaining satisfactory academic progress (SAP) toward completion of your degree. The Office of Financial Aid reviews SAP for each financial aid recipient at the conclusion of the each semester. Failure to maintain satisfactory academic progress will result in the loss of financial aid funding. You must be matriculated and enrolled in coursework leading to a degree. More information may be found online:

- Undergraduate Satisfactory Undergraduate Progress
- Graduate Satisfactory Undergraduate Progress

A New Jersey Tuition Aid Grant (TAG), if listed on your award notice, is only an ESTIMATED award. Higher Education Student Assistance Authority (HESAA) of New Jersey will send a Student Eligibility Notice (SEN) to students that detail actual award amounts and may also request additional documentation for final award determination. It is the responsibility of the student to submit all requested documentation to HESAA in a timely fashion to meet state grant deadlines and satisfy all requirements for eligibility to ensure payment of a TAG award.

The University awards grants and scholarships from university operating funds and reserves the right to substitute funding received from private or endowed sources. In such an event, a revised financial aid Notice of Award will be sent to you detailing the substitution.

Receipt of financial assistance from any sources may affect your eligibility for financial aid as detailed on your award notification. You are required to notify the Office of Financial Aid of receipt of additional awards.

Federal and state awards are based on estimated funding levels. The Office of Financial Aid reserves the right to make adjustments as a result of changes in federal and/or state funding levels.

You must apply for financial aid each year for consideration of renewed eligibility.

[Back to Top](#)

Undergraduate Satisfactory Academic Progress

SAP Review Policies & Procedures

SAP Academic Plan is available for download.

To be eligible for federal student aid funds, a student must make satisfactory academic progress (SAP) toward earning a degree. The Federal Department of Education requires Fairleigh Dickinson University to have a policy for monitoring students' satisfactory academic progress (SAP).

This policy applies to all students whether they receive federal, state, or institutional funds. A student who is not meeting SAP is ineligible for any financial aid from federal, state, or institutional sources. An exception will be made for students who receive an Employee Tuition Remission award because this is considered an employee benefit. Beginning with the 17/18 academic year, students' SAP statuses are reviewed at the end of every semester to determine if they comply with the University's SAP policy. Students will be notified in writing if they are not making satisfactory academic progress. A student who fails to meet SAP for one semester will be notified in writing that they are in a Financial Aid Warning status. In a Warning status a student remains eligible for financial aid but is notified that they will lose their financial aid eligibility if they fail to meet SAP after the next SAP review.

One measure of SAP is a student's cumulative grade point average (GPA). The GPA is calculated according to FDU's grading system and only includes courses in a student's academic major or program. More information is available at Grading System and Grade Points. It is a qualitative measure of SAP and is intended to insure that a student will have the minimum GPA required to receive a degree.

Another measure of SAP is the student's pace of completion of credits. This is calculated using the earned credits towards the degree in relation to the total number of credits attempted. This quantitative measure of SAP measures the "pace" of degree completion and is intended to insure that a student will complete their degree within the maximum timeframe allowed by the Department of Education. The student must be "on pace" to continue to receive student assistance.

Maximum timeframe is the final measure of SAP. A student may only receive financial aid for credits equal to 150% of the published length of the student's academic program.

Undergraduate Students

To be making SAP, an undergraduate student must meet both the qualitative and quantitative standards outlined in the following table.

SAP Evaluation Method	1-30 Credit Hours Attempted	31-60 Credit Hours Attempted	61-90 Credit Hours Attempted	91+ Credit Hours Attempted
Qualitative: Minimum GPA	1.80	2.00	2.00	2.00
Quantitative: Pace	66.67%	66.67%	66.67%	66.67%

Undergraduate SAP Guidelines

Transfer Credits
Credits transferred from another institution that are accepted by FDU towards a student's program are included as attempted and completed credits for the quantitative measure of SAP. Transfer credits do not count towards the SAP GPA. Credits earned as part of the Middle College program are treated as transfer credits.

Repeated Coursework
When an undergraduate student repeats coursework, the grade from the repeated course replaces the grade originally earned for the purposes of SAP GPA. Only one attempt of the repeated course is counted as attempted and completed credits for the quantitative measure of SAP.

Students may retake courses and receive federal aid if they have previously failed a course but can only receive aid one time for a repeated course in which they have received a passing grade. A passing grade is defined as D or better. *This applies to all students regardless of any policy within an academic program requiring a higher grade in the course.*

Withdrawals
When a student withdraws from a class, the credits are included as attempted but not completed credits for the quantitative measure of SAP. A student does not earn a grade when he withdraws from a class and the SAP GPA isn't impacted.

Incompletes
When a student receives an incomplete in a class, the credits are included as attempted but not completed credits for the quantitative measure of SAP. A student does not earn a grade for an incomplete class and the SAP GPA isn't impacted.

Remedial or Developmental Coursework

A student may not receive financial aid for more than 30 credits of remedial coursework taken at FDU. Remedial credits are not counted as attempted or completed credits for the quantitative measure of SAP. Remedial credits are not included in the SAP GPA.

Maximum Time Frame

Undergraduate students are required to complete a minimum of 120 credits to obtain their degree and may not receive federal aid for more than 180 credits (150%).

Change of Major

Only those courses included in a student's major will be included in the SAP calculation. When a student changes major the SAP calculation may change.

Consortium Agreement

A student may be approved to take coursework at another institution while also being enrolled at FDU. If the student intends to receive financial aid to cover the courses taken at the other institution, a Consortium Agreement is required. Credits taken at another institution and transferred back to FDU are not counted in the student's cumulative GPA calculation unless specific authorization from the Dean was received to have the grade accepted by FDU. Credits taken at another institution will count as attempted and completed in the student's quantitative SAP calculation.

Academic Amnesty

All grades, even those no longer counted by the University for academic purposes, are included in the SAP evaluation. FDU is not permitted to have an academic amnesty when calculating a student's SAP.

Winter Coursework

Upon appeal, a student who enrolls in winter courses may request a re-evaluation of SAP eligibility after the winter session if the winter session brings the student over SAP requirements.

Appeals/Recalculation

Students who are not making SAP are not eligible for federal, state, or institutional funding (with the exception of Employee Tuition Remission Awards). However, a student who fails to achieve SAP may submit an appeal. A SAP appeal must be submitted before the end of the add/drop period for the payment period for which the

student is requesting financial aid. A request to extend the deadline may be approved by the University Director of Financial Aid.

Appeal Guidelines

Many students experience unexpected circumstances that may cause them to have a difficult time during their education. In these instances, they have the right to appeal their ineligibility. Appeals must be submitted in writing or via email. The appeal must be signed and dated and should include:

- The student's name and ID number.
- A written explanation of the reason the student is not making satisfactory academic progress including the student's pertinent academic history and an explanation of the extenuating circumstances that prevented the student from meeting the satisfactory academic progress requirements. Extenuating circumstances may include, but are not limited to serious illness or injury to the student, death or serious illness of an immediate family member, significant trauma in student's life that impaired the student's emotional and/or physical health, or other special circumstances.
- A description of the corrective action taken by the student. The appeal should explain how the student's circumstances have changed and the steps the student has taken to facilitate future success.

Submission of an appeal does not guarantee reinstatement of eligibility for financial aid. Each appeal is reviewed on a case-by-case basis. *All appeal decisions made by the Office of Financial Aid are final.*

SAP Recalculation

Upon a student's written request, the FAO may reevaluate a student's SAP status if there has been a change in the student's transcript (i.e., an incomplete grade is updated to a letter grade or a grade reported in error is corrected). FDU will not reevaluate a student's SAP status when an incomplete grade is changed to an F after the SAP evaluation was completed until the end of the next semester.

Financial Aid Probation

If the Financial Aid Officer (FAO) approves the appeal and determines that the student should be able to meet the SAP standards by the end of the subsequent payment period, the student may be placed on financial aid probation. The student's progress

must then be reviewed at the end of that payment period, as financial aid probation is for one payment period only.

- If the student is meeting the SAP standards after the payment period, the student is making SAP and has retained eligibility for financial aid in future semesters.
- If the student is not meeting SAP standards after the payment period, the student is ineligible for federal, state, and institutional financial aid until such point as the student is making satisfactory academic progress.

Financial Aid Probation with Academic Plan

If the FOA approves the appeal but determines that the student may require more than one payment period to meet SAP progress standards, the student may be placed on probation with an academic plan developed with the Financial Aid Officer.

For students failing the qualitative measure of SAP (GPA), the academic plan must outline the number of credits and the semester GPA required in each term for the entire time necessary for the student to once again meet the SAP standards. For students failing the quantitative measure of SAP (pace), the academic plan must outline the number of credits the student must complete before the next SAP review period for the entire time necessary for the student to once again meet the SAP standards. The plan may allow, but not require, a student to register for courses during intersession or the summer.

Once the academic plan is completed, the student is placed on SAP probation for one payment period only. The student's SAP status must be reviewed at the end of the probation period.

- If the student is making SAP after the probation period, the student has retained eligibility for financial aid in future semesters.
- If the student is not meeting SAP standards but has met the terms of the academic plan, he is considered to be making satisfactory academic progress and is coded as having an academic plan. The academic plan must be reviewed after each payment period to determine if the student has met the terms of the plan. If at any point, the student fails to meet the terms of the academic plan, the student is again not making SAP but may appeal to be considered again for probation with a new academic plan.

A student may submit an appeal to amend their academic plan. However, academic plan amendments may not reduce the number of credits or GPA required of a student in any payment period.

Regaining Aid Eligibility

A student who has lost aid eligibility because he is not making satisfactory academic progress may regain eligibility by successfully appealing as described above or by completing a sufficient number of credits with a sufficient GPA to regain satisfactory academic progress without financial aid. If the student regains satisfactory academic progress without an appeal by completing additional credits without financial aid, the student should notify the financial aid office so that eligibility can be reinstated.

[Back to Top](#)

Vancouver Campus Scholarships and Financial Aid

Fairleigh Dickinson University Vancouver Campus Scholarships for International Students

We are committed to recognizing and supporting academically talented undergraduate applicants from all over the world. As a prospective student, you will be considered for our prestigious Scholarships without the need for a separate application. Once you submit your application for undergraduate admission, your academic achievements will be automatically considered for these scholarships.

Cumulative Grade Point Average (CGPA) calculation for scholarship awards is based on the last 3 years of high school. Students who have completed 30 or more credits at a university level program will be evaluated on the post-secondary academic

performance. Most vocation and technical programs are not considered for scholarships.

1. Gregory H. Olsen Scholarship

The Gregory H. Olsen Scholarship offers students a prestigious scholarship opportunity available at Fairleigh Dickinson University's Vancouver Campus.

Scholarship Amount: USD $210 scholarship per credit

2023-2024 Undergraduate Tuition before Scholarship	Gregory H. Olsen Scholarship Amount	2023-2024 Undergraduate Tuition after Scholarship
$700 per credit	$210 per credit	$490 per credit
$21000 for 30 credits (a regular fulltime, annual course load)	$6300 for 30 credits	$14700 for 30 credits

Eligibility: Cumulative Grade Point Average (CGPA) between 3.5 and 4.0. Renewable annually by maintaining a GPA of 3.00 or higher.

2. Colonel Fairleigh S. Dickinson Scholarship

The Colonel Fairleigh S. Dickinson Scholarship is a highly competitive award granted to freshman students with exceptional academic achievements.

Scholarship Amount: USD $455 scholarship per credit

2023-2024 Undergraduate Tuition before Scholarship	Colonel Fairleigh S. Dickinson Scholarship Amount	2023-2024 Undergraduate Tuition after Scholarship
$700 per credit	$455 per credit	$245 per credit

$21000 for 30 credits (a regular fulltime, annual course load)	$13650 for 30 credits	$7350 for 30 credits

Eligibility: CGPA between 3.5 and 4.0 and an SAT score of 1280 or higher.

Renewable annually by maintaining a GPA of 3.00 or higher.

3. Global Scholars Grant

The Global Scholars Scholarship is an additional award offered to qualifying students who have been admitted to the Global Scholars Program. When applying to an undergraduate program, students should also complete the Global Scholars Questionnaire which is part of the application, where they can outline their interest and involvement in promoting issues of global importance and world citizenship.

Recipients of the Global Scholars Grant receive an additional $2,000.00, which is awarded in increments of $250 over the first 8 consecutive terms of study.

Grant Amount:

USD$250 per term for the first 8 consecutive terms of study, in addition to any other eligible scholarships

Eligibility Criteria:

- Complete the online undergraduate application form and attach the required documents to your application and the Global Scholars Questionnaire.
- Admission to the Global Scholars Program.
- Cumulative Grade Point Average (CGPA) of 3.0 or higher.
- First-time, full-time freshmen and transfer students with 16 or fewer credits are eligible.

4. Global Leaders Grant

The Global Leaders Grant is an additional award offered to undergraduate FDU students who have demonstrated leadership, active community engagement and have contributed to enhancing the experience of other students at FDU.

Recipients of the Global Leaders Grant also receive an additional $1,000.00, which is awarded in increments of $250 over the first 4 consecutive terms of study.

Grant Amount:

USD$250 per term for the first 4 consecutive terms of study, in addition to any other eligible scholarships

Eligibility Criteria:

- Complete the Global Leaders Grant application form.
- Invitation from the Program Coordinator of the Global Scholars Program
- Resume
- Cumulative Grade Point Average (CGPA) of 2.5 or higher.

General Scholarship Renewal Requirements and Guidelines

To maintain your scholarship for the duration of your academic program, you will need to fulfill the following renewal requirements:

- For scholarships and Global Scholars Grant maintain a cumulative GPA of 3.00; for the Global Leaders Grant maintain a cumulative GPA of 2.5 after one year or study.
- Enroll in and complete a full-time undergraduate course load.
- Global Scholars Grant recipients must complete the three Global Scholars courses each Fall.
- Institutional Scholarships are awarded on a per credit basis at the time of admission. They are not pro-rated in future terms to reflect adjustments in Tuition rates.
- Scholarships and Grants for FDU Vancouver may not be used at other FDU campuses.

How is the scholarship reflected on my tuition?

The scholarship is applied to each credit you are enrolled in. The following table shows how the scholarship applies on a per credit basis, and for a typical annual course load of 30 credits.

Scholarship Structure (USD)

	No Scholarship	**Gregory H. Olsen Scholarship**	**Colonel Fairleigh S. Dickinson Scholarship**
	CGPA 2.0 – 3.4	**CGPA 3.5 – 4.0**	**CGPA 3.5 – 4.0 + SAT > 1280**
Regular Tuition Per Credit	$700	$700	$700
Scholarship Per Credit	$0	$210	$455
Tuition per credit after Scholarship	$700	$490	$245
Annual Tuition after Scholarship (30 credits)	$21,000	$14,700	$7,350

Scholarship Structure (USD) for Global Scholars Students

	Global Scholars Grant with no other scholarship	**Global Scholars Grant with Gregory H. Olsen Scholarship**	**Global Scholars Grant with Colonel Fairleigh S. Dickinson Scholarship**
	CGPA 2.5 – 3.4	**CGPA 3.5 – 4.0**	**CGPA 3.5 – 4.0 + SAT > 1280**
Regular Tuition Per Credit	$700	$700	$700
Scholarship Per Credit	$0	$210	$455
Tuition per credit after Scholarship	$700	$490	$245

Annual Tuition after Scholarship (30 credits)	$21000	$14700	$7350
Global Scholars or Global Leaders Grant	$250	$250	$250
Total Annual tuition after the Global Scholars or Global Leaders Grant	$20750	$14450	$7100

If you are ready to embark on an extraordinary educational journey and compete for our Scholarships, submit your undergraduate application today!

To learn more about the accomplishments of our Benefactors

Colonel Dickinson Scholarship
Colonel Fairleigh S. Dickinson (August 22, 1866-June 23, 1948) was the co-founder of Becton Dickinson (BD) and the named benefactor of Fairleigh Dickinson University. Born in Beaufort, North Carolina, Dickinson died in his home in Rutherford, New Jersey, where he had moved several years after what is now BD was founded in New York City in 1897. In 1942, he used his wealth to found Fairleigh Dickinson College, which is today Fairleigh Dickinson University.

Gregory H. Olsen Scholarships
Greg Olsen is an FDU alumnus and trustee. Part of his recent $5 million gift to the University was used to fund the Vancouver campus start-up and part was used to rename the Gildart Haase School of Computer Science and Engineering, which houses the IT major.

Greg was the third private citizen to orbit the earth on the International Space Station (ISS). After completing training at the Yuri Gagarin Cosmonaut Training Center in Moscow, he launched on a Russian Soyuz rocket TMA-7 on October 1, 2005 and returned to earth on Soyuz TMA-6 on October 11. During his 10-day voyage, he performed more than 150 orbits of the earth and logged almost four million miles of weightless travel. You can read more about Greg and his many accomplishments.

Special/Unusual Circumstances

FDU's Financial Aid Office understands that students and families may at times experience unique situations. Financial Aid Administrators have the authority to take into consideration unique family circumstances not reflected on the Free Application for Federal Student Aid (FAFSA).

Special Circumstances

Special circumstances are financial situations that support a change to the cost of attendance or expected family contribution (EFC) calculation. Examples of special circumstances include, but are not limited to:

- Changes in employment status, income, or assets.
- Change in where the student is living.
- Medical or dental expenses not covered by insurance.
- Child or dependent care expenses.
- Severe disability of student or another member of student's household.
- Other changes or adjustments that impact the student's costs or ability to pay for college.

Unusual Circumstances

Unusual Circumstances are conditions that support a change to a student's dependency status based on a unique situation. Examples of unusual circumstances include, but are not limited to:

- Human trafficking.

- Refugee/asylee status.
- Parental abandonment, estrangement, or parental incarceration.

Please note that unusual circumstances **do not** include:

- Parents refusal to contribute to student's education.
- Parents refusal to provide information for the FAFSA or verification.
- Parents do not claim the student for income tax purposes, or that the student demonstrates total self-sufficiency.

Adjustments

A student may have both a special circumstance and an unusual circumstance. Financial aid administrators (FAAs) may make adjustments that are appropriate to each student's situation with appropriate documentation.

Process for Appeal

Students who find themselves with special or unusual circumstances should contact the Financial Aid Office to speak with a financial aid counselor. The counselor will research the student's situation and verify the information presented by the student. Additional information or documentation may be required from the student. Notice of the need for any additional documentation or a decision will be sent to the student once the file has been reviewed.

Back to Top

Federal Funding

Student Loans

Students wishing to apply for a loan within the Federal Direct Loan Program must file a Free Application for Federal Student Aid (FAFSA) each academic year. Upon filing this form, the resulting Student Aid Record (SAR) or Institutional Student Information Record (ISIR) must be filed with the Office of Financial Aid.

When filing the FAFSA, students should make sure to utilize the FDU Federal School Code: **002607**.

The Federal Direct Loan Program allows the student to defer repayment while enrolled at least half time. There are a number of repayment options with which to repay the loan (standard repayment is 10 years), with a minimum payment of $50.00 per month after graduation, withdrawal or dropping to less than half time enrollment.

Federal Direct Unsubsidized Loan

Effective July 1, 2016, the Federal Direct Unsubsidized Loans are available to matriculated students enrolled at least half time. A graduate or professional student may borrow up to a maximum of $20,500.00 per academic year based on the Cost of Education and less any other financial aid received. The interest rate on an unsubsidized loan is fixed at 6.53% and a 1.057% loan fee is taken at the time of disbursement. A student may choose to either pay or accrue the interest while attending school. Interest that is not paid is capitalized (added to the principal amount borrowed).

The cumulative aggregate Federal Direct Loan debt a graduate dependent student may incur is $138,500; no more than $65,500 of this amount may be in subsidized loans. The graduate aggregate limit includes all federal loans received for undergraduate study.

Students must complete Loan Entrance Counseling and a Master Promissory Note (MPN) prior to borrowing at studentaid.gov/. The Loan Entrance Counseling provides required information about a borrower's rights and responsibilities.

Federal Direct Plus Loan

The Federal Direct PLUS Loan is a credit-based loan program which enables approved borrowers to borrow up to the cost of education less any other financial aid received. Repayment of the PLUS Loan begins 60 days after disbursement of the funds to the University but may be deferred while enrolled at least half time. To be eligible for a

Federal Direct PLUS loan, the student must file the FAFSA and may not be in default on any federal student loans.

Credit decisions are determined by the U.S. Department of Education when the student applies via studentaid.gov/. Credit approvals will expire after 90 days.

The Federal Direct PLUS Loan has a fixed interest rate of 9.08% and a loan fee of 4.228% is taken at the time of disbursement.

More information about the Direct Loan Program, including repayment plans, calculators and borrower's rights and responsibilities may be found online at https://studentaid.ed.gov/.

Veterans' Educational Benefits

Some veterans are eligible for monthly allowances (paid directly to the veteran) paid by the United States Veterans Administration. Funding eligibility is based on enrollment status as determined by the number of credits for a particular semester. Veterans applying for benefits must complete the Veteran Program Card at the beginning of each semester and submit it to the Office of Veterans Affairs.

Students who contributed to the Veterans Educational Assistance Program (VEAP-Chapter 32) may be eligible for benefits. In addition, dependents and spouses of veterans who died of service-related causes may also be eligible for benefits. Any questions regarding veterans and dependents of veterans benefits should be directed to the Office of Veterans Affairs at the Metropolitan Campus at (201) 692-7085.

Veterans Benefits

Federal Veterans' Educational Assistance Programs

Veterans' Educational Benefits

VA (Veterans' Affairs) educational benefits are available to eligible veterans for attendance at institutions of higher education (e.g. four-year university, community colleges, etc.), for undergraduate, graduate and online programs and other degree- and nondegree-granting courses. Benefits are based on the VA Program/Chapter for which students are eligible (defined by the type and length of military service) and the number of classes for which they are enrolled during a given semester (e.g., full-time, part-time, etc.). Payments are made by the U.S. Department of Veterans Affairs either directly to the student/veteran or, in the case of the Post 9/11 GI Bill (GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs [VA]), directly to the school. It is important to note that the cost of tuition and fees to the University remains the responsibility of the student/veteran. It is recommended that students consult with the director, Office of Veterans Services, at Fairleigh Dickinson University for more detailed information on any of these programs. Visit the main Veterans page for contact information.

Post 9/11 GI Bill

The Post 9/11 GI Bill — also commonly known as Chapter 33 — is a VA-administered program for individuals with at least 90 days of aggregate active-duty service after September 10, 2001, and are still on active duty, or if they are an honorably discharged veteran or were discharged with a service-connected disability after 30 days. Purple Heart recipients, regardless of length of service, are qualified for Post 9/11 benefits at the 100-percent level. This benefit provides up to 36 months of educational benefits. If the students' release from active duty was before January 1, 2013, there is a 15-year time limitation for use of benefits. For individuals whose last discharge date is on or after January 1, 2013, the time limitation has been removed. It is important to note that Fairleigh Dickinson University has agreed to participate in the Yellow Ribbon Program, that is a provision of the Post-9/11 Veterans Educational Assistance Act of 2008. Under this program, FDU has agreed to fund tuition expenses for eligible veterans that exceed the highest public instate undergraduate tuition rate by matching a VA contribution of 50 percent with an FDU contribution for the same amount.

This program will provide the following benefits for eligible individuals:

- Tuition and fees paid directly to the school are not to exceed the annual state cap. The cost of private university tuition and fees may be fully covered for those veterans eligible for the Yellow Ribbon Program.

- A Monthly Housing Allowance based on the Basic Allowance for Housing for an E-5 with dependents at the location of the school where the student physically attends the majority of classes.
- A yearly books-and-supplies stipend of $1,000.00 paid proportionately based on enrollment.

If students are enrolled exclusively in online training, they will receive a reduced Monthly Housing Allowance (MHA). If students are on active duty, they will not receive the housing allowance. If students are enrolled half time or less, they will not receive the Monthly Housing Allowance (MHA).

In Accordance with Title 38 US Code 3679 subsection(e) of the Veterans Benefits and Transition Act of 2018, students who utilize Post 9/11 GI Bill (GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs [VA]. More information about education benefits offered by VA is available at the official U.S. government web site at https://www.benefits.va.gov/gibill/.), Chapter 33 and Veteran Readiness and Employment, Chapter 31 will not have an Enrollment Hold placed on their account or registration pending disbursement of funding for tuition and fees by the Veterans Administration. Their account will not have penalty fees applied because of late tuition payment by the Department of Veterans Affairs (VA). Students will not be required to secure alternative or additional funding because of late payment by the VA. For charges incurred for campus housing and meals, the student may be liable for payment if these charges are not covered by the VA benefit. To qualify for this provision, students will need to supply their Certificate of Eligibility (COE) and Veteran Semester Enrollment Form to the School Certifying Official by the first day of class; and/or provide additional information needed to properly certify the enrollment.

Yellow Ribbon Program

Fairleigh Dickinson University is proud to participate in the Post-9/11 GI Bill Yellow Ribbon Program which will allow any eligible veteran to enroll in any FDU undergraduate or graduate program for little or no cost. Only individuals entitled to the maximum benefit rate (based on service requirements) may receive this funding. Therefore, you may be eligible if:

- You served an aggregate period of active duty after September 10, 2001, of at least 36 months;
- You were honorably discharged from active duty for a service connected disability and you served 30 continuous days after September 10, 2001;

- You are a dependent eligible for Transfer of Entitlement under the Post-9/11 GI Bill based on a veteran's service under the eligibility criteria listed above.

For more information about the Yellow Ribbon Program, please visit the website.

The Montgomery GI Bill (MGIB)

As provided under the Montgomery GI Bill (MGIB) — also commonly known as Chapter 30 — students who entered the military after June 30, 1985, are eligible for educational benefits if they elected to reduce their monthly salary by $100.00 for the first 12 months while on active duty. The MGIB program provides a maximum of 36 months of educational benefits. However, additional entitlements may be available. Consult with the director, Office of Veterans Services, at Fairleigh Dickinson University. This benefit may be used for degree and certificate programs, flight training, apprenticeship/on-the-job training and correspondence courses. Remedial, deficiency and refresher courses may be approved under certain circumstances. Generally, benefits are payable for 10 years following release from active duty. For more information go to The Montgomery Bill – Active Duty.

Survivors' and Dependents' Educational Assistance Program (DEA – Chapter 35)

Dependents' Educational Assistance (DEA – Chapter 35) provides education and training opportunities to eligible dependents of certain veterans. The program offers up to 45 months of educational benefits. These benefits may be used for degree and certificate programs, apprenticeship and on-the-job training. A spouse may take a correspondence course. Remedial, deficiency and refresher courses may be approved under certain circumstances. The stipend is paid directly to the student. It is still the responsibility of the students to pay their tuition and fees.

Federal Tuition Assistance

Military Tuition Assistance is a benefit paid to eligible members of the Army, Navy, Marines, Air Force, Space Force, and Coast Guard. Congress has given each service the ability to pay up to $250.00 per credit for the tuition expenses of its members. A member is eligible for up to $4,500.00 a fiscal year in Federal Tuition Assistance benefits. Each service has its own criteria for eligibility, obligated service, application process and restrictions. This money is usually paid directly to the institution by the individual services. If you plan on using Federal Tuition Assistance (TA), you must receive approval from your Educational Services Officer (ESO), or counselor and supply a copy of your Tuition Assistance Request Authorization/Approval form to the School

Certifying Official. FDU is a private university and does not accept Commander's Certificate of Eligibility.

The Montgomery GI Bill–Selected Reserve (MGIB-SR)

The Montgomery GI Bill–Selected Reserve (MGIB-SR) program — commonly known as Chapter 1606 — may also be available if the student is a member of the Selected Reserve, which includes the Army Reserve, Navy Reserve, Air Force Reserve, Marine Corps Reserve, Coast Guard Reserve, Army National Guard and the Air National Guard. Students may be entitled to receive up to 36 months of education benefits. Period of eligibility: (a) If the students' eligibility to this program began on or after October 1, 1992, the period of eligibility ends 14 years from their beginning date of eligibility or on the day they leave the Selected Reserve. (b) If the students' eligibility to this program began prior to October 1, 1992, their period of eligibility ends 10 years from their beginning date of eligibility or on the day they leave the Selected Reserve. For more information go to The Montgomery GI Bill–Selected Reserve.

Veteran Readiness and Employment (VR&E)

A veteran who is eligible for an evaluation under Chapter 31 must complete an application and meet with a VA Veteran Readiness and Employment Counselor (VR&EC). If the VR&EC determines that a handicap exists as a result of a service-connected disability, the veteran is found entitled to services. Entitlement to services is established if the veteran is within his or her 12-year basic period of eligibility and has a 10 percent or greater service-connected disability rating. The VA Veteran Readiness and Employment Bill, under Chapter 31, pays the cost of tuition, fees, books, equipment and supplies. Medical Insurance provided by the university is not covered by CH 31. The veteran also receives a monthly subsistence allowance. Eligible veterans must apply online at the Veteran Readiness and Employment website. Veterans may be entitled to receive up to 36 months of educational benefits.

Other Veterans' Administration Educational Benefits

There are additional veterans' educational benefits available for the dependents and widows of veterans who died of service-related causes. If you meet the requirements, you may be eligible to apply for the Fry Scholarship and the Edith Nourse Rogers STEM Scholarship. Individuals in the Selected Reserve (Chapter 1606) and those who contributed to the Veterans Education Assistance Program (VEAP-Chapter 32) also may be eligible for VA educational benefits. For additional information regarding veterans' educational benefits, contact the Office of Veterans Services at Fairleigh

Dickinson University and the U.S. Department of Veterans Affairs, Educational Benefits website.

Graduate Financial Aid

Graduate students who file a FAFSA annually are eligible for an unsubsidized federal direct loan for $20,500. Some academic programs may have additional scholarship and grant funds available.

To apply for financial aid, students must complete the Free Application for Federal Student Aid (FAFSA). FDU's FAFSA School Code is 002607.

Contact the Graduate Financial Aid Office

Schedule an In-Person, Phone or Zoom Appointment:

Monday to Friday: 9 AM to 5 PM

The Office is closed on Fridays during the summer.

Offices

Florham Campus

285 Madison Ave M-MSO-02
Madison, NJ 07940
Telephone: 973-443-8700
Fax: (973) 443-8534
Email: finaid@fdu.edu

Metropolitan Campus

1000 River Road T-KB1-04
Teaneck, NJ 07666
Telephone: 201-692-2363
Fax: (201) 692-2364
Email: finaid@fdu.edu

Financial Aid Staff

University

- Renee Volak, University Director, reneev@fdu.edu
- Theresa Coll, Director of Operations, coll@fdu.edu
- Marion McCollum, University Associate Director, marion_mccollum@fdu.edu
- Harry Tongue, University Associate Director, tongue@fdu.edu

Florham Campus

- Emily Grant, Director, ewgrant@fdu.edu
- Paola Yanez, Associate Director, p.yanez@fdu.edu
- Sadiailen Companioni-Torres, Assistant Director, scompanioni@fdu.edu
- Migali Ramirez, Assistant Director, migali@fdu.edu
- Rachel Valatkavage, Financial Aid Coordinator, r.valatkavage@fdu.edu

Metropolitan Campus

- Carmen Ferrari, Director, cmf@fdu.edu
- Arlene Marte, Associate Director, arlene_marte@fdu.edu
- Dawn Grasso, Assistant Director, steeled@fdu.edu
- Catherine Lorenzo, Assistant Director, clorenzo@fdu.edu
- Karoll Madera, Assistant Director/Scholarships, k.madera@fdu.edu
- Madeleyn Rodriguez, Assistant Director, martim@fdu.edu
- Nora Polak, Financial Aid Coordinator, polak@fdu.edu
- Diane DiGeronimo, Financial Aid Coordinator, dianed@fdu.edu

Problem Resolution

If you are experiencing difficulty resolving a financial aid issue, you may contact us at: finaid@fdu.edu. Use the text "Requesting Resolution" and your student ID number in the subject line.

If you have been unable to solve a problem with your federal student loan, you can ask the Federal Student Aid Ombudsman Group for help at: https://studentaid.ed.gov/sa/repay-loans/disputes/prepare/contact-ombudsman

OR

U.S. Department of Education
FSA Ombudsman Group
830 First Street, N.E., Mail Stop 5144
Washington, DC 20202-5144
1-877-2575

[Back to Top](#)

Graduate Satisfactory Academic Progress

SAP Review Policies & Procedures

The SAP academic plan is available for download.

To be eligible for federal student aid funds, a student must make satisfactory academic progress (SAP) toward earning a degree. The Federal Department of Education requires Fairleigh Dickinson University to have a policy for monitoring students' satisfactory academic progress (SAP).

This policy applies to all students whether they receive federal, state, or institutional funds. A student who is not meeting SAP is ineligible for any financial aid from federal, state, or institutional sources. An exception will be made for students who receive an Employee Tuition Remission award because this is considered an employee benefit. Beginning with the 17/18 academic year, students' SAP statuses are reviewed at the end of every semester to determine if they comply with the University's SAP policy. Students will be notified in writing if they are not making satisfactory academic progress. A student who fails to meet SAP for one semester will be notified in writing that they are in a Financial Aid Warning status. In a Warning status a student remains eligible for financial aid but is notified that they will lose their financial aid eligibility if they fail to meet SAP after the next SAP review.

One measure of SAP is a student's cumulative grade point average (GPA). The GPA is calculated according to FDU's grading system and only includes courses in a student's academic major or program. More information is available at: view2.fdu.edu/university-offices/enrollment-services/records-procedures-services/grading-and-gpa/. It is a qualitative measure of SAP and is intended to insure that a student will have the minimum GPA required to receive a degree.

Another measure of SAP is the student's pace of completion of credits. This is calculated using the earned credits towards the degree in relation to the total number of credits attempted. This quantitative measure of SAP measures the "pace" of degree completion and is intended to insure that a student will complete their degree within the maximum timeframe allowed by the Department of Education. The student must be "on pace" to continue to receive student assistance.

Maximum timeframe is the final measure of SAP. A student may only receive financial aid for credits equal to 150% of the published length of the student's academic program.

Graduate Students

Except for those academic programs noted below, a graduate student at FDU is required to maintain an overall cumulative GPA of 2.75 (qualitative component). Students in the Silberman College of Business, Public Administration Institute, Corporate & Organizational Communication Program and Nursing are required to achieve a minimum overall cumulative GPA of 3.00. Students in the Physician's Assistant Program are required to achieve a minimum overall cumulative GPA of 3.00. A 3.25 overall GPA is required for the Clinical Psychology program.

All students in a graduate program are required to successfully complete at least 66.67% of credits attempted (quantitative component – pace).

Graduate SAP Guidelines

Transfer Credits
Credits transferred from another institution that are accepted by FDU towards a student's program are included as attempted and completed credits for the quantitative measure of SAP. Transfer credits do not count towards the SAP GPA.

Repeated Coursework
When a graduate student repeats coursework, the grade from the repeated course is included in the calculation along with the initial grade for the purposes of SAP GPA. The repeated course is treated as an additional attempted credit but is not counted as an additional completed credit for the purposes of determining the quantitative measure of SAP.

Withdraws
When a student withdraws from a class, the credits are included as attempted but not completed credits for the quantitative measure of SAP. A student does not earn a grade when he withdraws from a class and the SAP GPA isn't impacted.

Incompletes
When a student receives an incomplete in a class, the credits are included as attempted but not completed credits for the quantitative measure of SAP. A student does not earn a grade for an incomplete class and the SAP GPA isn't impacted.

Maximum Time Frame
Graduate students may only receive financial aid for credits equal to 150% of the published length of their academic program.

Change of Program
For graduate students, all graduate level courses will be included in the student's GPA. If a student encounters a pace or maximum time frame issue, the FAA will exclude those courses from the prior degree program in the calculation to determine if the student has an issue with those measures of SAP.

Consortium Agreement

A student may be approved to take coursework at another institution while also being enrolled at FDU. If the student intends to receive financial aid to cover the courses taken at the other institution, a Consortium Agreement is required. Credits taken at another institution and transferred back to FDU are not counted in the student's cumulative GPA calculation unless specific authorization from the Dean was received to have the grade accepted by FDU. Credits taken at another institution will count as attempted and completed in the student's quantitative SAP calculation.

Academic Amnesty

All grades, even those no longer counted by the University for academic purposes, are included in the SAP evaluation. Academic Amnesty does not pertain to Financial Aid SAP.

Winter Coursework

Upon appeal, a student who enrolls in winter courses may request a re-evaluation of SAP eligibility after the winter session if the winter session brings the student over SAP requirements.

Appeals/Recalculation

Students who are not making SAP are not eligible for federal, state, or institutional funding (with the exception of Employee Tuition Remission Awards). However, Students who are not making SAP are not eligible for federal, state, or institutional funding (with the exception of Employee Tuition Remission Awards). However, a student who fails to achieve SAP may submit an appeal. A SAP appeal must be submitted before the end of the add/drop period for the payment period for which the student is requesting financial aid. A request to extend the deadline may be approved by the University Director of Financial Aid. A SAP appeal must be submitted before the end of the add/drop period for the payment period for which the student is requesting financial aid. A request to extend the deadline may be approved by the University Director of Financial Aid.

Appeal Guidelines

Many students experience unexpected circumstances that may cause them to have a difficult time during their education. In these instances, they have the right to appeal their ineligibility. Appeals must be submitted in writing or via email. The appeal must be signed and dated and should include:

- The student's name and ID number.

- A written explanation of the reason the student is not making satisfactory academic progress including the student's pertinent academic history and an explanation of the extenuating circumstances that prevented the student from meeting the satisfactory academic progress requirements. Extenuating circumstances may include, but are not limited to serious illness or injury to the student, death or serious illness of an immediate family member, significant trauma in student's life that impaired the student's emotional and/or physical health, or other special circumstances.

- A description of the corrective action taken by the student. The appeal should explain how the student's circumstances have changed and the steps the student has taken to facilitate future success.

Submission of an appeal does not guarantee reinstatement of eligibility for financial aid. Each appeal is reviewed on a case-by-case basis. *All appeal decisions made by the Office of Financial Aid are final.*

SAP Recalculation

Upon a student's written request, the FAO may reevaluate a student's SAP status if there has been a change in the student's transcript (i.e., an incomplete grade is updated to a letter grade or a grade reported in error is corrected). FDU will not reevaluate a student's SAP status when an incomplete grade is changed to an F after the SAP evaluation was completed until the end of the next semester.

Financial Aid Probation

If the Financial Aid Officer (FAO) approves the appeal and determines that the student should be able to meet the SAP standards by the end of the subsequent payment period, the student may be placed on financial aid probation. The student's progress must then be reviewed at the end of that payment period, as financial aid probation is for one payment period only.

- · If the student is meeting the SAP standards after the payment period, the student is making SAP and has retained eligibility for financial aid in future semesters.

- · If the student is not meeting SAP standards after the payment period, the student is ineligible for federal, state, and institutional financial aid until such point as the student is making satisfactory academic progress.

Financial Aid Probation with Academic Plan

If the FOA approves the appeal but determines that the student may require more than one payment period to meet SAP progress standards, the student may be placed on probation with an academic plan developed with the Financial Aid Officer.

For students failing the qualitative measure of SAP (GPA), the academic plan must outline the number of credits and the semester GPA required in each term for the entire time necessary for the student to once again meet the SAP standards. For students failing the quantitative measure of SAP (pace), the academic plan must outline the number of credits the student must complete before the next SAP review period for the entire time necessary for the student to once again meet the SAP standards. The plan may allow, but not require, a student to register for courses during intersession or the summer.

Once the academic plan is completed, the student is placed on SAP probation for one payment period only. The student's SAP status must be reviewed at the end of the probation period.

- · If the student is making SAP after the probation period, the student has retained eligibility for financial aid in future semesters.
- · If the student is not meeting SAP standards but has met the terms of the academic plan, he is considered to be making satisfactory academic progress and is coded as having an academic plan. The academic plan must be reviewed after each payment period to determine if the student has met the terms of the plan. If at any point, the student fails to meet the terms of the academic plan, the student is again not making SAP but may appeal to be considered again for probation with a new academic plan.

A student may submit an appeal to amend their academic plan. However, academic plan amendments may not reduce the number of credits or GPA required of a student in any payment period.

Regaining Aid Eligibility

A student who has lost aid eligibility because he is not making satisfactory academic progress may regain eligibility by successfully appealing as described above or by completing a sufficient number of credits with a sufficient GPA to regain satisfactory academic progress without financial aid. If the student regains satisfactory academic progress without an appeal by completing additional credits without financial aid, the student should notify the financial aid office so that eligibility can be reinstated.

Special Circumstances (Graduate Financial Aid)

FDU's Financial Aid Office understands that students and families may at times experience unique situations. Financial Aid Administrators have the authority to take into consideration unique family circumstances not reflected on the Free Application for Federal Student Aid (FAFSA).

Special circumstances are financial situations that support a change to the cost of attendance or expected family contribution (EFC) calculation. Examples of special circumstances include, but are not limited to:

- Changes in employment status, income, or assets.
- Change in where the student is living.
- Medical or dental expenses not covered by insurance.
- Child or dependent care expenses.
- Severe disability of student or another member of student's household.
- Other changes or adjustments that impact the student's costs or ability to pay for college.

Adjustments

Financial aid administrators (FAAs) may make adjustments that are appropriate to each student's situation with appropriate documentation.

Process for Appeal

Students who find themselves with special circumstances should contact the Financial Aid Office to speak with a financial aid counselor. The counselor will research the student's situation and verify the information presented by the student. Additional information or documentation may be required from the student. Notice of the need for any additional documentation or a decision will be sent to the student once the file has been reviewed.

[Back to Top](#)

FDU Grants

FDU Scholarships and Grants for Undergraduate Students

Get help financing your college education.

Merit Scholarship Opportunities

Up to $22,000 each year

Merit scholarship awards are annually renewable for a total of four years for full-time students who maintain the required GPA.

Need-Based Financial Aid

FDU offers need-based financial aid. To be considered, a student must file a Free Application for Federal Student Aid (FAFSA). The form will be available beginning December 2024

Be sure to include FDU's Federal school code when completing the FAFSA: 002607.

Transfer

Merit Scholarship Opportunities

Up to $15,500 each year

Each full-time transfer applicant is automatically considered for annual merit award. Awards are renewable for full-time students who maintain the required GPA.

Phi Theta Kappa

Phi Theta Kappa members who graduate from a regionally accredited two-year institution may qualify for an additional $2,000 award.

- Recognizes transfer students who are Phi Theta Kappa Honor Society (PTK) members; renewable for two years.
- Students need at least a GPA of 3.0 to qualify for the award.
- Verification of PTK membership is required.
- Candidates must have earned an associate degree.

Need-Based Financial Aid

FDU offers need-based financial aid. To be considered a student must file a Free Application for Federal Student Aid (FAFSA) The form will be available beginning December 2024

Resident Grants

Beginning in Fall 2025, newly enrolled Pell eligible students living on campus will receive a $2,000 annual housing grant. This grant is renewable for a total of 8 semesters.

Additional Grant Opportunities

Grants and athletic scholarships can be combined with academic scholarships.

Children of Alumni Grant

$1,500 each year

- Awarded to undergraduate children of FDU alumni.

FDU Family Grant

$1,500 each year

- Families with two or more dependent children enrolled simultaneously at FDU receive a Family Grant for each student.

Athletic Scholarship

Amount varies

- Rewards athletic abilities of students participating in NCAA Division I sports at FDU's Metropolitan campus.

We are here to help

For any questions about our scholarship and financial aid programs at FDU, please contact:

Contact Information

Office of Financial Aid

(973) 443-8700
Florham Campus
(201) 692-2363
Metropolitan Campus
finaid@fdu.edu
fdu.edu/finaid

Federal Programs and Grants

There are a variety of need-based federally funded financial aid programs, including Pell and SEOG grants, Federal Direct Stafford Loans, Veterans' Educational Benefits, as well as Work Study Programs. To be eligible for any of these programs, students must be matriculated, maintain satisfactory academic progress, and file the FAFSA (Free Application for Federal Student Aid) by February 15 for new students and April 15 for returning students every year. Each of the federal programs available at the University is detailed below.

- Federal Grant Programs
- Federal Work Programs
- Federal Veterans' Educational Assistance Programs
- Federal Loan Programs

Federal Grant Programs

Federal Pell Grant

A Federal Pell Grant is federal gift assistance that does not need to be repaid. Undergraduate students enrolled for a minimum of three credits per semester may be eligible. Eligibility is determined upon data received from the FAFSA application. Grants range from $672 to $6,495 per academic year.

Federal Supplemental Educations Opportunity Grant (FSEOG)

An FSEOG is for undergraduates with exceptional financial need — that is, students with the lowest EFCs — and gives priority to students who receive Federal Pell Grants. An FSEOG doesn't have to be paid back. A student must be registered for a minimum of six credits per semester. FSEOG awards usually range from $200 to $750 per academic year.

Federal Scholarship for Disadvantaged Nursing Students (FSDS Grant)

The FSDS grant is for "economically disadvantaged" students matriculated in the Fairleigh Dickinson University nursing program. Students may be enrolled part-time;

however, he/she must demonstrate tremendous need via the information supplied on the FAFSA. For additional information, please contact the director of the School of Nursing and Allied Health.

Federal TEACH Grant

The TEACH (Teacher Education Assistance for College and Higher Education) Grant is a merit-based federal program designed to encourage highly qualified teachers to serve in low-income areas in high-need fields. Grant recipients agree to teach for at least four (4) years (within eight years of finishing their teacher preparation program) in designated schools that serve low-income students. Teaching must be performed in a high-need field within the state in which the recipient teaches to satisfy the service requirement. The grant converts to an unsubsidized loan for any recipient that does not complete the four (4) year teaching obligation. Interest is calculated to the date funds were originally disbursed, regardless of the date the individual ceases to meet the obligation. Students who apply for the grant must complete and sign an application/agreement in addition to filing the FAFSA.

Federal Work Programs

Federal Work Study

The Federal Work-Study Program (FWS) provides jobs for undergraduate students with financial need, allowing them to earn money to help pay education expenses. Students awarded funds may be assigned positions either on campus or off campus at cooperating nonprofit community service agencies.

Annual awards usually range from $750 to $1,600. Federal Work Study positions are coordinated and processed by the Office of Career Development on each campus.

A Federal Work Study student may not work more than 20 hours per week and no more than seven hours in one day. Students are paid biweekly. Students are required to work with their manager to ensure they have not earned dollars exceeding their annual award. Students who have earned more than 50% of their annual award by the close of the Fall semester are encouraged to modify their hours or consult with their Financial Aid Counselor about the possibility of increasing their FWS award.

Federal Veterans' Educational Assistance Programs

Post 9/11 GI Bill

The Post 9/11 GI Bill — also commonly known as Chapter 33 — is a VA-administered program for individuals with at least 90 days of aggregate active-duty service after September 10, 2001, and are still on active duty, or if they are an honorably discharged veteran or were discharged with a service-connected disability after 30 days. Purple Heart recipients, regardless of length of service, are qualified for Post 9/11 benefits at the 100-percent level. This benefit provides up to 36 months of educational benefits. If the students' release from active duty was before January 1, 2013, there is a 15-year time limitation for use of benefits. For individuals whose last discharge date is on or after January 1, 2013, the time limitation has been removed. It is important to note that Fairleigh Dickinson University has agreed to participate in the Yellow Ribbon Program, that is a provision of the Post-9/11 Veterans Educational Assistance Act of 2008. Under this program, FDU has agreed to fund tuition expenses for eligible veterans that exceed the highest public instate undergraduate tuition rate by matching a VA contribution of 50 percent with an FDU contribution for the same amount.

This program will provide the following benefits for eligible individuals:

- Tuition and fees paid directly to the school are not to exceed the annual state cap. The cost of private university tuition and fees may be fully covered for those veterans eligible for the Yellow Ribbon Program.
- A Monthly Housing Allowance based on the Basic Allowance for Housing for an E-5 with dependents at the location of the school where the student physically attends the majority of classes.
- A yearly books-and-supplies stipend of $1,000.00 paid proportionately based on enrollment.

If students are enrolled exclusively in online training, they will receive a reduced Monthly Housing Allowance (MHA). If students are on active duty, they will not receive the housing allowance. If students are enrolled half time or less, they will not receive the Monthly Housing Allowance (MHA).

In Accordance with Title 38 US Code 3679 subsection(e) of the Veterans Benefits and Transition Act of 2018, students who utilize Post 9/11 GI Bill (GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs [VA]. More information about education benefits offered by VA is available at the official U.S. government web site at https://www.benefits.va.gov/gibill/.), Chapter 33 and Veteran Readiness and Employment, Chapter 31 will not have an Enrollment Hold placed on their account or registration pending disbursement of funding for tuition and fees by the Veterans Administration. Their account will not have penalty fees applied because of late tuition payment by the Department of Veterans Affairs (VA). Students will not be required to secure alternative or additional funding because of late payment by the VA. For charges

incurred for campus housing and meals, the student may be liable for payment if these charges are not covered by the VA benefit. To qualify for this provision, students will need to supply their Certificate of Eligibility (COE) and Veteran Semester Enrollment Form to the School Certifying Official by the first day of class; and/or provide additional information needed to properly certify the enrollment.

Yellow Ribbon Program

Fairleigh Dickinson University is proud to participate in the Post-9/11 GI Bill Yellow Ribbon Program which will allow any eligible veteran to enroll in any FDU undergraduate or graduate program for little or no cost. Only individuals entitled to the maximum benefit rate (based on service requirements) may receive this funding. Therefore, you may be eligible if:

- You served an aggregate period of active duty after September 10, 2001, of at least 36 months;
- You were honorably discharged from active duty for a service connected disability and you served 30 continuous days after September 10, 2001;
- You are a dependent eligible for Transfer of Entitlement under the Post-9/11 GI Bill based on a veteran's service under the eligibility criteria listed above.

For more information about the Yellow Ribbon Program, please visit the website.

The Montgomery GI Bill (MGIB)

As provided under the Montgomery GI Bill (MGIB) — also commonly known as Chapter 30 — students who entered the military after June 30, 1985, are eligible for educational benefits if they elected to reduce their monthly salary by $100.00 for the first 12 months while on active duty. The MGIB program provides a maximum of 36 months of educational benefits. However, additional entitlements may be available. Consult with the director, Office of Veterans Services, at Fairleigh Dickinson University. This benefit may be used for degree and certificate programs, flight training, apprenticeship/on-the-job training and correspondence courses. Remedial, deficiency and refresher courses may be approved under certain circumstances. Generally, benefits are payable for 10 years following release from active duty. For more information go to The Montgomery Bill – Active Duty.

Veteran Readiness and Employment (VR&E)

A veteran who is eligible for an evaluation under Chapter 31 must complete an application and meet with a VA Veteran Readiness and Employment Counselor (VR&EC). If the VR&EC determines that a handicap exists as a result of a service-connected disability, the veteran is found entitled to services. Entitlement to services is established if the veteran is within his or her 12-year basic period of eligibility and has a 10 percent or greater service-connected disability rating. The VA Veteran Readiness and Employment Bill, under Chapter 31, pays the cost of tuition, fees, books, equipment and supplies. Medical Insurance provided by the university is not covered by CH 31. The veteran also receives a monthly subsistence allowance. Eligible veterans must apply online at the Veteran Readiness and Employment website. Veterans may be entitled to receive up to 36 months of educational benefits.

Other Veterans' Administration Educational Benefits

There are additional veterans' educational benefits available for the dependents and widows of veterans who died of service-related causes. If you meet the requirements, you may be eligible to apply for the Fry Scholarship and the Edith Nourse Rogers STEM Scholarship. Individuals in the Selected Reserve (Chapter 1606) and those who contributed to the Veterans Education Assistance Program (VEAP-Chapter 32) also may be eligible for VA educational benefits. For additional information regarding veterans' educational benefits, contact the Office of Veterans Services at Fairleigh Dickinson University and the U.S. Department of Veterans Affairs, Educational Benefits website.

Federal Loan Programs

Federal Direct Student Loans

Eligibility for a Direct Federal Subsidized or Unsubsidized loan is based upon 'need' as determined by the information submitted on the FAFSA. Undergraduate borrower limits for Federal Direct Loans are as follows:

- $3,500.00 Subsidized + $2,000.00 Unsubsidized for Dependent Freshmen
- $3,500.00 Subsidized + $6,000.00 Unsubsidized for Independent Freshman
- $4,500.00 Subsidized + $2,000.00 for Unsubsidized for Dependent Sophomores
- $4,500.00 Subsidized +$6,000.00 for Unsubsidized for Independent Sophomores
- $5,500.00 Subsidized + $2,000.00 for Unsubsidized for Dependent Juniors & Seniors

- $5,500.00 Subsidized +$6,000.00 for Unsubsidized for Independent Juniors & Seniors

The cumulative aggregate Federal Direct Loan debt an undergraduate dependent student may incur is $31,000.00 – no more than $23,000 may be from the Direct Subsidized Loan program. The cumulative aggregate Federal Direct Loan debt an independent student may incur is $57,500 – no more than $23,000 from the Direct Subsidized Loan program.

Students must complete Loan Entrance Counseling and a Master Promissory Note (MPN) prior to borrowing at studentaid.gov/. The Loan Entrance Counseling provides required information about a borrower's rights and responsibilities.

Subsidized Federal Direct Loans

"Interest free" while the student is enrolled at least half-time (6 credits). Students are required to begin repayment six months after leaving school or dropping below six credits. The interest rate is fixed at 4.99% and there is a 1.057% loan fee taken at the time of disbursement. (Interest rates stated are for loans disbursed on or After July 1, 2022).

Unsubsidized Federal Direct Loans

Available to students who do not qualify for a Subsidized Stafford loan or are eligible for loan funds in addition to their subsidized eligibility. However, students are responsible for the interest on the loan while enrolled in school. Students may choose to have the interest capitalized. The interest rate is fixed at 4.99% and there is a 1.057% loan fee taken at the time of disbursement. (Interest rates stated are for loans disbursed on or After July 1, 2022).

More information about the Federal Direct Loan Program, including repayment plans, calculators, and rights and responsibilities may be found online: https://studentaid.ed.gov/sa/

Federal PLUS Loan Program

The Federal Direct PLUS Loan is a credit-based loan program for the parent or guardian of the undergraduate student. Parents of matriculated students enrolled at least halftime (6 credits) may borrow up to the cost of education less any other financial aid received by the student per academic year. Repayment of the PLUS Loan begins 60

days after disbursement of the funds to the University. Parents have up to 10 years to repay the loan with a minimum payment of $50 per month.

To be eligible for a Federal Direct PLUS loan, the student must file the FAFSA and the parent (as well as the student) may not be in default on his/her federal student loans. Pre-qualification can be determined when a parent applies via studentaid.gov/. Credit decisions will expire after 180 days.

The Federal Direct PLUS Loan has a fixed interest rate of 7.54% and a loan fee of 4.228% is taken at the time of disbursement. (Interest rates stated are for loans disbursed on or After July 1, 2022).

In the event a parent is denied a PLUS loan, they may elect to apply with an endorser or the student may receive additional unsubsidized loan proceeds.

NOTE: Loan data for any Federal Perkins and Federal Direct Loan (Subsidized, Unsubsidized, and PLUS) is submitted to the National Student Loan Data System (NSLDS) and is then accessible by guarantee agencies, lenders, and institutions determined to be authorized users of the system.

The National Student Loan Data System may be accessed at https://studentaid.gov.

Federal Nursing Loan Program

Students in the School or Nursing and Public Health may be eligible for one of two Federal Student Loan Programs for student nurses. If you are an FDU student interested in either of these loan programs, you must file a FAFSA. Contact SNAH-HRSA@fdu.edu if you are interested.

Nursing Student Loans (NSL)

This federal loan program is available to students pursuing a degree in nursing and who are enrolled at least half-time. The NSL is a need-based, subsidized loan with a 9-month grace period. The program offers low-interest rate loans (5%) to students who may borrow an annual maximum of ~$7500. Funding is limited and awarded on a first-come, first-served basis.

Nurse Faculty Loan Program (NFLP)

This federal loan program is available to graduate students who have a goal of teaching nursing at the college level upon degree completion. There is a service payback commitment of teaching for 4 years within 12 months following graduation. The service

obligation results in the cancellation of 85% of the loan. Funding is limited and awarded on a first-come, first-served basis.

New Jersey Programs and Grants

There are a variety of New Jersey state-funded financial aid programs including: academic scholarships, need-based grants, and loans. For students to be eligible for any of these programs, students must be matriculated, maintain satisfactory academic progress, and be a New Jersey resident. Students also must file the Free Application for Federal Student Aid (FAFSA) by February 15 every year. Each of the **New Jersey State** (NJS) programs available at the University is detailed as follows.

NJS Scholarship Programs

NJS Governor's Urban Scholars Program

The Governor's Urban Scholarship Program provides a merit award to high-achieving students who reside in New Jersey's 14 designated high-need communities. Annual awards of up to $1,000 are available for qualified students. Students must rank within the top five (5%) percent of their class and have a minimum 3.0 GPA at the end of their junior year of high school and meet other basic eligibility and renewal criteria.

New Jersey Student Tuition Assistance Reward Scholarship II (STARS II)

The NJ STARS II program allows successful NJ STARS scholars to transfer to a New Jersey four-year public or non-public college or university and earn a bachelor's degree.

The NJ STARS II Scholarship is valued at $1,250 per semester ($2,500 per academic year – traditional fall and spring semesters only). Students must be NJ STARS recipients or non-funded during the semester of county college graduation and graduate with an associate's degree and GPA of 3.25 or higher. While there is no consideration of financial need, the maximum family income (taxable and nontaxable) must be less than $250,000. In addition, the student must be enrolled full-time, apply for all forms of state and federal need-based grants and merit scholarships and begin NJ STARS II program participation no later than the second semester immediately following county college graduation. To be considered for NJ STARS II, students must file a FAFSA each year within established New Jersey State deadlines.

Need-based NJS Grant Programs

NJS TAG Award
Tuition Aid Grant (TAG) valued up to $13,590 (as per2022-2023 Award year) per academic year is awarded to students who have resided in New Jersey a minimum of 12 months prior to receipt of the grant. In addition, students must be enrolled full-time at a New Jersey college or university. The TAG award is determined upon the "need" of the student as supplied by the information on the FAFSA.

NJS Educational Opportunity Fund (EOF) Grants
The New Jersey State Educational Opportunity Fund (EOF) provides financial assistance and support services to economically and educationally disadvantaged students. To be eligible, students must be New Jersey state residents for at least 12 consecutive months and meet state established income guidelines. Applicants must be full-time, matriculated students to receive the EOF grant awards valued up to $2,500 per academic year (traditional fall and spring semesters only). All EOF program participants must attend a Pre-freshman EOF Summer Program. Only first-time, full-time freshmen and EOF transfer students are eligible to be admitted to the EOF program. Inquiries should be directed to the FDU EOF Office. In addition, students must file the Free Application for Federal Student Aid (FAFSA).

NJ CLASS Loan Program

The New Jersey Office of Student Assistance administers the NJCLASS Loan Program. The NJCLASS loan program is a credit-based loan program for either the student or the parent. Applications are available at the Office of Financial Aid. Credit-worthy borrowers or borrowers with credit-worthy cosigners are eligible to borrow from $500.00 per academic year up to the full cost of education less any financial aid and a 3 percent

administrative fee. There are three repayment options available. For additional information regarding repayment and deferment of NJCLASS loans, contact the New Jersey Higher Education Student Assistance Authority at https://www.hesaa.org/. Any inquiries regarding the NJCLASS Loan Program may be directed to the New Jersey Office of Student Assistance at 1 (800) 792-8670.

[Back to Top](#)

Silberman College Scholarships

Scholarships for Undergraduate and Graduate Business Majors

Throughout the academic year, business students can apply for scholarships. The Student Development Committee works with University Development and Financial Aid on new and existing scholarships to review applications and recommend recipients. To date, we've awarded almost $500,000 in grants to our Silberman College of Business students.

Scholarships for Silberman College of Business Students

The below scholarships are intended strictly for business students. To find out more information, email the Student Development Committee.

- Adrian Alexander Cummings Endowed Scholarship
- Barbara V. Brusco Scholarship
- COBA Stanley Iwanski Scholarship
- David E. Knee Scholarship
- Diana Sabo Boyes Memorial Scholarship
- Donald E. Outcalt Scholarship

- Dr. Helen Warren Endowed Scholarship
- Dr. Margareth Bellevan Scholarship
- Elia G. Stratis Scholarship
- Ellsworth P. and Reta R Hibler Endowed Scholarship
- Entrepreneurial Studies Scholarship
- Frank J. Walsh, Jr. Endowed Scholarship
- Gregg L. Nelson Outright Scholarship
- Harold Hackerman Accounting Scholarship
- James F. Jamieson Scholarship
- John Robert and Marye Trinkle Ruzila Endowed Scholarship
- JP Morgan Chase/Evelyn Dotson Scholarship
- Kurt G. Brown Memorial Scholarship
- Louis and Elizabeth Rice Scholarship
- Margaret and Marshall Endowed Scholarship
- Marshall and Margaret Outright Scholarship
- Mary A. Schwarz Scholarship
- PNC Bank – Linda Bowden Silberman College of Business Diversity and Inclusion Scholarship
- Robert and Patricia Pures Scholarship
- Robert Rosselli Scholarship
- Robert S. Needham Memorial Scholarship
- Saul D. Feldman Family Fund
- The Matthew Emmens Endowed Scholarship
- Vespa Family Endowed Scholarship

Please check back periodically and be on the lookout for emails from the Student Development Committee to learn about scholarship opportunities as they become available. You may direct any questions to the Student Development Committee.

General and Organizational Scholarships for Accounting Majors

These are private scholarships and not affiliated with FDU. By selecting any of the following links, you will be leaving the FDU website.

- American Institute of CPAs (AICPA) National Scholarship Search

- Educational Foundation for Women in Accounting (EFWA) Scholarships
- Go College (Scholarships for Accounting Majors)
- Independent College Fund of New Jersey (ICFNJ)
- Institute of Management Accountants (IMA) Student Scholarships
- National Society of Accountants (NSA) Scholarship Foundation
- The New Jersey Society of CPAs (NJCPA) Scholarships
- NJCPA Bergen Chapter Scholarship (Information is posted each fall)
- Public Company Accounting Oversight Board (PCAOB) Scholarship

Contact Information

FDU-SCB_Scholarship@fdu.edu
1000 River Rd
Teaneck, NJ 07666

4 Plus 1 Combined Degree Advantage

Advantages of this program include saving time by accelerating the student's education. Students enrolled in this program can graduate with both a bachelor's and master's degree. Students also have the flexibility to go from undergraduate degrees at one FDU campus and finish their graduate degrees at the other. Qualified students must declare their intent to pursue a five-year combined degree after earning between 60 and 80 undergraduate credits. This is only offered to students continuing at the master's graduate level on a full-time basis.

Read about the Combined Degree Advantage or contact the Undergraduate Admissions Office by calling 1-800-FDU-8803.

General Scholarships for FDU Students

The following resources are available to FDU students:

- Association of Latino Professionals For America (ALPFA) scholarship opportunities through FDU's ALPFA chapter for Latino students.

Graduate Scholarships, Assistantships, and Financial Aid

Scholarships for Graduate Students

Under its mission to advocate for students, the Student Development Committee is responsible for coordinating scholarships within the Silberman College of Business. The committee works with University Development and Financial Aid on new and existing scholarships to review applications and recommend recipients.

Morris County Chamber of Commerce Scholarship

Program Description: The partnership with Fairleigh Dickinson University is aimed to provide members with opportunities to develop, promote and pursue their business interests, foster a healthy economic and political business environment and promote the benefits of business to the public by offering business education and training programs.

Eligibility: MCCC members must apply and be accepted to the Fairleigh Dickinson graduate program in which they desire to enroll. The MCCC grant is available only to first-time enrolling graduate students.

Amount: $100 per graduate credit hour off FDU published graduate tuition rate. (May not apply to all programs.)

Application Process: After being accepted into a program at FDU, students will need to send a letter on their company letter head to Martha Megna at:

Enrollment Services
Fairleigh Dickinson University
1000 River Road, T-KB1-05
Teaneck, NJ 07666-1914

The letter must state that the student is currently employed by the company and must list the company's membership number.

Deadline: N.A.

Contact: Paul Boudreau, President at (973) 539-3882, ext. 226.

National Society of Hispanic MBAs Scholarship Program

Eligibility: To be eligible for this scholarship program, applicants must be a US Citizen or legal permanent resident, be of Hispanic heritage, be a current NSHMBA member, and be enrolled in an AACSB accredited graduate business program in the US or Puerto Rico at the time of the award. Students must also hold a minimum GPA of 3.0

from a bachelor's or master's degree or a minimum GPA of 2.75 from a bachelor's degree in combination with two years of full time work experience.

Application Process: To be considered for this scholarship, please visit the NSHMBA link below and follow the procedures to apply. https://www.nshmba.org/fa

Deadline: Applications for the scholarship are accepted annually in the months of March and April. Please see the NSHMBA website for more details.

Graduate Assistantships

Graduate Assistantships are highly competitive and sought-after positions giving students the opportunity to work with SCB faculty and offset tuition. Currently enrolled SCB graduate and undergraduate students at both the Metropolitan Campus and the Florham Campus are also encouraged to apply. For more information, please visit the Silberman College of Business graduate assistantships page.

Financial Aid for Graduate Students

For more information on financial aid, please check the Graduate Financial Aid section of the website.

Helpful Links to Graduate Financial Support Information:

By selecting any of the following links, you will be leaving the FDU website.

- International Scholarship Search: Study Abroad and International Student Scholarship Search Online.
- FinAid: The Financial Aid Information Page
- Scholarship Search: The World's largest and oldest private sector scholarship database.
- U.S. Department of Education: Financial Aid, grants, loans, and work-study are the three major forms of aid available through the Department's Federal Student Aid office.
- Peterson's Scholarship Search
- FastWeb Scholarship Search
- Financial Information for Veterans

ACADEMICS

Academic Calendar 2024-2025

Academic Year 2024-2025, New Jersey Campuses

Fall Semester 2024

Registration/Academic Counseling and Advising
    August 12 to 23
Classes Begin, 8:00 AM (Monday)
    August 26
Labor Day Holiday (Monday)
    September 2
Last Day for New Registrations and Final Drop/Add Changes (Monday)
    September 9
Midterm Progress Reporting Opens (Monday)
    September 30
Fall Recess (Monday/Tuesday)
    October 14 to 15
Midterm Progress Reporting Closes (Tuesday)
    October 22
Priority Registration for Spring Semester 2025
    November 4 to 19
Thanksgiving Recess (Wednesday to Friday)

November 27 to 29
Last Day of Fall Classes, Fall Semester (Monday)
December 9
Reading/Snow Make-up Days (Tuesday and Wednesday)
December 10 to 11
Last Day for Student Withdrawal from Classes (Wednesday)
December 11 at close of business (5:00 PM)
Final Examinations (Thursday to Wednesday)
December 12 to 18
Grades due no later than 5:00 PM on the 3rd day after exam is administered.
Fall Semester Ends, 11:00 PM (Wednesday)
December 18

Winter Session 2025

Classes Begin, 8:00 AM (Thursday)
January 2
Classes End, 11:00 PM (Friday)
January 17
Martin Luther King Jr. Holiday (Monday)
January 20

Spring Semester 2025

Registration/Academic Counseling and Advising
January 2 to 17
Classes Begin, 8:00 AM (Tuesday)
January 21
Last Day for New Registrations and Final Drop/Add Changes (Monday)
February 3
Midterm Progress Reporting Opens (Monday)
February 24
Spring Recess
March 10 to 14
Online Registration for Summer 2025 Sessions Opens (Saturday)
March 15
Midterm Progress Reporting Closes (Saturday)
March 22
Priority Registration for Fall Semester 2025
April 7 to 18
Last Day of Spring Classes (Monday)

May 5
Reading/Snow Make-up Days (Tuesday/Wednesday)
　　May 6 to 7
　　Last Day for Student Withdrawal from Classes (Wednesday)
　　　　May 7 at close of business (5:00 PM)

Final Examinations (Thursday-Tuesday)
　　May 8 to 13
　　Grades due no later than 5:00 PM on the 3rd day after exam is administered.
Spring Semester Ends, 11:00 PM (Tuesday)
　　May 13
University Commencement
　　May 14

Summer Session I 2025

Classes Begin, 8:00 AM (Monday)
　　May 19
Memorial Day Holiday (Monday)
　　May 26
Memorial Day Holiday Makeup (Friday)
　　May 30
Juneteenth (Thursday)
　　June 19
Classes End, 11:00 PM (Saturday)
　　June 27

Summer Session II 2025

Classes Begin, 8:00 AM (Monday)
　　June 9
Juneteenth (Thursday)
　　June 19
Independence Day Holiday (Friday)
　　July 4
Independence Day Holiday Makeup (Friday)
　　July 11
Classes End, 11:00 PM (Saturday)
　　July 19

Summer Session III 2025

Classes Begin, 8:00 AM (Monday)
    June 30
Independence Day Holiday (Thursday)
    July 4
Independence Day Holiday Makeup (Friday)
    July 11
Classes End, 11:00 PM (Saturday)
    August 9

Notes

Major Religious Holy Days

The University respects the observance of major religious holy days by members of the campus community. To the extent possible, officers of administration and of instruction responsible for scheduling are expected to avoid conflict with such observances.

The academic calendar is subject to change with appropriate notice.

Academic Calendar 2025-2026

Academic Year 2025-2026, New Jersey Campuses

Fall Semester 2025

Registration/Academic Counseling and Advising
    August 11 to 22
Fall Semester and Fall A 8-Week Classes Begin, 8:00 AM (Monday)
    August 25
Labor Day Holiday (Monday)

September 1
Last Day for New Registrations and Final Drop/Add Changes (Monday)
September 8
Midterm Progress Reporting Opens (Monday)
September 29
Fall Recess (Monday/Tuesday)
October 13 to 14
Last Day of Classes for Fall A 8-Week Courses
October 17
First Day of Classes for Fall B 8-Week Courses
October 20
Midterm Progress Reporting Closes (Tuesday)
October 21
Midterm Progress Reporting Closes (Tuesday)
October 21
Priority Registration for Spring Semester 2026
November 3 to 18
Thanksgiving Recess (Wednesday to Friday)
November 26 to 28
Last Day of Fall Classes, Fall Semester (Monday)
December 8
Reading/Snow Make-up Days (Tuesday and Wednesday)
December 9 to 10
Last Day for Student Withdrawal from Classes (Wednesday)
December 11 at close of business (5:00 PM)
Final Examinations (Thursday to Wednesday)
December 11 to 17
Grades due no later than 5:00 PM on the 3rd day after exam is administered.
Fall Semester Ends, 11:00 PM (Wednesday)
December 17

Winter Session 2026

Classes Begin, 8:00 AM (Friday)
January 2
Martin Luther King Jr. Holiday (Monday)
January 19
Classes End, 11:00 PM (Tuesday)
January 20

Spring Semester 2026

Registration/Academic Counseling and Advising
    January 2 to 23
Classes Begin, 8:00 AM (Monday)
    January 26
Last Day for New Registrations and Final Drop/Add Changes (Monday)
    February 9
Midterm Progress Reporting Opens (Monday)
    March 2
Spring Recess
    March 16 to 20
Online Registration for Summer 2026 Sessions Opens (Sunday)
    March 15
Last Day of Classes for Spring A 8-Week Courses
    March 27
Midterm Progress Reporting Closes (Saturday)
    March 28
Priority Registration for Fall Semester 2026
    April 13 to 24
Last Day of Spring Classes (Monday)
    May 4
Reading/Snow Make-up Days (Tuesday/Wednesday)
    May 5 to 6
Final Examinations (Thursday-Wednesday)
    May 7 to 13
    Grades due no later than 5:00 PM on the 3rd day after exam is administered.
Last Day of Classes for Spring B 8-Week Courses
    May 13
Spring Semester Ends, 11:00 PM (Wednesday)
    May 13
University Commencement
    TBD

Summer Session I 2026

Classes Begin, 8:00 AM (Monday)
    May 18
Memorial Day Holiday (Monday)
    May 25
Memorial Day Holiday Makeup (Friday)
    May 29
Classes End, 11:00 PM (Saturday)

June 26

Summer Session II 2026

Classes Begin, 8:00 AM (Monday)
        June 8
Independence Day Holiday (Friday)
        July 3
Independence Day Holiday Makeup (Friday)
        July 10
Classes End, 11:00 PM (Saturday)
        July 18

Summer Session III 2026

Classes Begin, 8:00 AM (Monday)
        June 29
Independence Day Holiday (Friday)
        July 3
Independence Day Holiday Makeup (Friday)
        July 10
Classes End, 11:00 PM (Saturday)
        August 8

Notes

Major Religious Holy Days

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Back to Top

Core Curriculum

Fairleigh Dickinson University believes the goal of a college education is preparation for lifelong learning and a lifetime of thoughtful living. The interdisciplinary University Core Curriculum is the cornerstone of a thoughtful and reflective education. The program has received national recognition for its innovative approach to general education. The American Association of Colleges and Universities honored the FDU Core by making it one of nine programs in the United States to serve as a model for other educational institutions, and individual University Core courses have received prestigious national awards. More recently, the University Core program has been awarded grants by the U.S. Department of State and the 100,000 Strong in the Americas Foundation to support study abroad options for Core courses.

The four-course Core program strongly emphasizes global learning and personal/professional development learning outcomes and objectives. Students typically complete it during the first and second years at FDU to provide a foundation for more advanced studies. The Core program helps students explore their intellectual and creative strengths in order to draw on these while preparing for a fulfilling professional and personal life. It also assumes that when students need clarity to set goals or guidance to achieve them, the faculty and professional staff at FDU are collectively able to support students with knowledge pathways and intellectual skills early in their college careers.

The University Core courses are:

- UNIV1001 Transitioning to University Life First Semester.
- UNIV1002 Preparing for Professional Life Second Semester.
- UNIV2001 Cross Cultural Perspectives Third or Fourth Semester.
- UNIV2002 Global Issues Fourth or Fifth Semester. Note: UNIV2001 and UNIV2002 do not need to be taken sequentially.

The Core courses express the University's global learning mission: To prepare students for responsible citizenship in the global community and for professional success in the global economy.

In addition to promoting general academic and professional skills such as critical thinking and information literacy, the small class size and seminar-style setting of the University Core courses facilitate identity exploration and development, which are

fundamental to being a college student. They foster growth from an identity as a college student to an identity as a professional as well as cultural identity and identity as a global citizen.

The University Core program is designed to achieve three aims:

1. To foster international and intercultural perspectives that offer students critical ways of looking at the world as well as at their own countries and communities.
2. To promote understanding of individual, societal, and global perspectives.
3. To inculcate an appreciation for the interrelationships among bodies of knowledge generated in individual disciplines.

Academic Regulations and Prerequisites

No more than one Core course may be taken in any one semester without special permission from a University Core director. All students should consult with an academic adviser before preparing their schedules in order to make certain that they are scheduled for the appropriate University Core course, or approved substitutes and alternatives, and that they have satisfied all prerequisites.

- Students must complete UNIV1001 Transitioning to University Life before taking UNIV1002 Preparing for Professional Life.
- Students must take UNIV1001 Transitioning to University Life and UNIV1002 Preparing for Professional Life, as well as WRIT1002, before taking either UNIV2001 Cross-Cultural Perspectives or UNIV2002 Global Issues.
- UNIV2001 and UNIV2002 may be taken in either order although it is recommended that UNIV2001 be taken prior to UNIV2002.

Substitutions and Alternatives

There is no substitute for UNIV1001 Transitioning to University Life.

Some majors integrate the learning goals of UNIV1002 Preparing for Professional Life into other coursework. These courses serve as substitutes for UNIV1002 Preparing for Professional Life. Every semester in the course offerings on Self-Service, courses that have been authorized as substitutes for UNIV1002 Preparing for Professional Life will be listed, indicating which major(s) they are associated with. All other students, including undeclared majors, should take UNIV1002 Preparing for Professional Life.

Students entering FDU in Fall 2021 may fulfill General Education requirements for Knowledge of Global Issues and Cross-Cultural Understanding either with UNIV2001 Cross-Cultural Perspectives and UNIV2002 Global Issues or with other courses explicitly identified in Self-Service as approved alternatives. For more information, see General Education.

Exceptions for Adult Learners and Transfer Students

Adult learners are exempt from taking UNIV1001 Transitioning to University Life and UNIV1002 Preparing for Professional Life although they may choose to take one or both of these courses as electives.

Transfer students entering the University with 30 or more credits are exempt from taking Transitioning to University Life (UNIV1001).

Transfer students entering the University with 45 or more credits are exempt from taking Preparing for Professional Life (UNIV1002).

Transfer students entering the University with an associate of arts or associate of science degree earned from a New Jersey or New York community college are exempt from all FDU general education requirements, including Cross-Cultural Perspectives and Knowledge of Global Issues. For more information, see General Education.

Withdrawals and Closed Sections

Withdrawals from a section of the Core require the permission of a Core director. Permission to join a closed section also requires the permission of a Core director. Each campus has a Core director who administers the program for that campus.

Student Grade Appeals/Procedure

While it is recognized that faculty hold the right and responsibility to grant a grade, a student who receives a grade that he or she believes to be unwarranted may appeal that grade by engaging in the University Grade Appeal Process.

Core Abroad

Students can complete UNIV2001 and/or UNIV2002 while studying in China, England, or Canada. Download the Core Abroad brochure to learn more.

Contact Information

Each campus has a University Core director who administers the program for that campus. Online and off-campus programs are also administered by a University Core director. These directors are responsible for enforcing Academic Regulations for the University Core program. The Core directors report, as a group, to the Associate Provost for Academic Affairs.

- Florham Campus: Kiron Sharma, Professor, Mathematics and Computer Science
- Vancouver Campus: James Gifford, Professor of English, Director of the University Core, Vancouver Campus
- Metropolitan Campus, Online and Off-campus: Michele Barto, Senior Lecturer, School of Hospitality, Sports, and Tourism Management
- Patty Keefe Durso, Associate Provost for Academic Affairs

[Back to Top](#)

General Education Requirements

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University General Education Requirements (for students entering the University Fall 2023 or after)

In 2022, the Faculty Senate approved a University-Wide General Education Curriculum which reduced the General Education requirements from 48-54 credits to 40 credits (42 including first-year seminar courses) and replaced the 10 *university-wide learning outcomes* with 7 *general education learning outcomes*. These changes are intended to provide students with greater flexibility and the opportunity to enhance their undergraduate studies with Minors, Internships, Study Abroad, and more. This page also includes approved alternatives to [UNIV2001](#) and [UNIV2002](#), the Cultural and Global Understanding courses in Requirement 4 below.

Some exceptions to the University's General Education requirements may exist for accredited programs within the School of Nursing and Allied Health (accredited by CCNE) and School of Computer Sciences and Engineering (accredited by ABET). All students should consult with an academic advisor about recommended and/or approved course options for fulfilling General Education requirements within their Major.

FDU's General Education committee was established in Spring 2023 by the Academic Policies and Research Committee (APRC) of the Faculty Senate. The committee provides oversight of FDU's General Education program and collaborates with and collects information from various constituencies involved in gen ed in order to review and make appropriate recommendations and reports to the APRC and other relevant decision-making bodies. Current members of the General Education Committee are listed here.

General Education Requirements (42 credits)

1. Written and Oral Communication (9 credits)

FDU graduates will demonstrate the ability to:

- Research and write documents that evaluate information and opinion in a logical and analytical manner using appropriate style, grammar, and mechanics.
- Prepare and deliver effective oral presentations using relevant technology and rhetorical style.

Written Communication (6 credits)

This requirement consists of six credits in College Writing (WRIT1002 and WRIT1003). Based on placement exam scores, some students may be required to complete developmental course(s) WRIT1000 and/or WRIT1001 (credits earned are placed in the free elective area) to achieve prerequisite skills before enrolling in WRIT1002.

Oral/Professional Communication (3 credits)

Select SPCH1155, COMM2099, or other approved course. Please consult with your academic advisor when selecting a course to fulfill this requirement.

2. Information and Technological Literacy (3 credits)

FDU graduates will demonstrate the ability to:

- Identify and parse information sources in a variety of physical, print, digital, and online formats.
- Use this collected information to conduct research and analyze data for professional purposes.

Please consult with your academic advisor when selecting a course to fulfill this requirement.

3. Ethical Reasoning (3 credits)

FDU graduates will demonstrate the ability to:

- Identify ethical issues in case-based scenarios.
- Analyze and interpret the processes by which various claims are made and reliable conclusions may be reached.

Please consult with your academic advisor when selecting a course to fulfill this requirement.

4. Global and Cultural Understanding (6 credits)

FDU graduates will demonstrate the ability to:

- Analyze global issues from multiple viewpoints with an understanding of why and how these issues matter and interconnect.
- Recognize, appreciate, and mediate cultural differences.

Cross Cultural Understanding (3 credits)

Select UNIV2001 or other approved alternative. [See Approved Cross-Cultural Understanding alternatives below.]

Global Understanding (3 credits)

Select UNIV2002 or approved alternative [See Approved Global Understanding alternatives below.]

5. Scientific and Quantitative Analysis (7 credits)

FDU graduates will demonstrate the ability to:

- Use the scientific method of inquiry to explain the nature of the scientific enterprise specific to one natural sciences discipline.
- Apply mathematical methods to analyze and interpret quantitative information in solving problems and making decisions within their professions.

Lab Science (4 credits)

Choose one four credit course with a mandatory lab component from the following disciplines Biology (BIOL), Chemistry (CHEM), Environmental Science (ENVR), Marine Biology (MBIO), or Physics (PHYS).

College Math (3 Credits)

Take 3 credits from among the following course options: MATH1101, MATH1105, MATH1107, MATH1126, MATH1128, MATH1201, or MATH1203. The course selected will depend on home campus, Accuplacer test scores, and program of study. Those with placement scores below the standards for these courses must complete courses to improve prerequisite skills. These include MATH1000 and/or MATH1100 (credits placed in the free elective area).

6. Social and Behavioral Scientific Analysis (6 credits)

FDU graduates will demonstrate ability to:

- Comprehend and analyze human behavioral actions.
- Comprehend and analyze social relationships within human society.
- Interpret information with an awareness of how data is presented and identify potential bias.

Social Science (3 credits)

Take 3 credits from the following disciplines: Anthropology (ANTH), Communication Studies (COMM), Economics (ECON), Environmental Studies (ENVS), Geography (GEOG), Government and Politics (GOVT), Sociology (SOCI), or Sustainability (SUST).

Behavioral Science (3 credits)

Take 3 credits from the following disciplines: Criminal Justice (CRIM), Criminology (CMLGY), or Psychology (PSYC).

7. Inquiry in the Arts and Humanities (6 credits)

FDU graduates will demonstrate ability to:

- Identify, describe, and appreciate aesthetic, linguistic, and/or literary materials produced by human thought and imagination.
- Conduct critical inquiry, analysis, and interpretation of these materials.

Creative and Expressive Arts (3 credits)

Choose one course from the following disciplines: Animation (ANIM), Animation Humanities (ANIMH), Art (ART), Art History (ARTH), Graphic Design (CGD), Graphic Design Humanities (CGDH), Cinema Studies (CINE), Creative Writing (CREW), Dance (DAN), Dance Humanities (DANH), Filmmaking (FILM), Music (MUSIC), Music Humanities (MUSIH), Theater (THEA), or Theater Humanities (THEAH).

Humanities (3 credits)

Choose one course from the following disciplines: African American Studies (AFAM), English (ENGL) History (HIST), Humanities (HUMN), Literature (LITS), Philosophy (PHIL), or Religion (RELI).

First Year Seminar courses (2 credits)

1. UNIV1001 Transitioning to University Life (1 credit)
2. UNIV1002 Preparing for Professional Life (1 credit)

Transfer students entering the University with 30 or more credits will be exempted from taking Transitioning to University Life (UNIV1001). Transfer students entering the University with 45 or more credits will be exempted from taking Preparing for Professional Life (UNIV1002).

Approved Cross-Cultural Understanding alternatives

For students entering Fall 2021 or later

GOVT2851 – Politics of Horror

INTER3430 – Anatomy of Britain (Wroxton)

LITS2331 –Myth & Sacred Texts

For students entering Fall 2023 or later
CINE2360 – Culture and History on Film

COMM2105 – Communicating Status

CREW2022 – Storytelling and Social Justice

HIST3326 –Islam and Christianity in Africa

CREW3080 – Music & Poetry

LITS2050 – Voices of India

SOCI2500 –Food and Society

SOCI3344 – School andSociety

SOCI3365 – Sociology of Religion

For students entering Fall 2024 or later
INTER3432 – Global Issues and Britain (Wroxton)

LANG2023 and SOCI2023 (cross-listed course) – Language and Discrimination

LITS2002– Literature and Popular Culture

Approved Global Understanding alternatives

For students entering Fall 2021 or later
COMM2102 – International Communication

HIST2402 – Atlantic Worlds

HIST2403 – Mediterranean Worlds

HRTM2235 – Sustainability & Ecotourism

ORGS2400 – Global Issues & Creating a Sustainable Future

For students entering Fall 2023 or later

[CREW2018](#) – Narrative Storytelling

[GOVT2130](#)– International Relations

[HIST2504](#) – Gender and Race in Latin America

[HIST3252](#)– Dictatorship in Latin America

[INTER3432](#) – GlobalIssues and Britain

[LITS2023](#) and [CINE2023](#) (cross-listed course) – Food and Culture on Film

[SOCI2248](#) – Globalization, Culture and Identity

[SOCI2901](#) – A World on the Move: Contemporary Migrations

For students entering Fall 2024 or later
[HUMN2340](#) and [CINE2340](#) (cross-listed course) History of Russian Cinema

[LITS2024](#) and [CINE2024](#) (cross-listed course) – Global Mafias

[Back to Top](#)

Academic Advising and Support

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Fairleigh Dickinson University is a diverse academic community that strives to provide students with educational values, opportunities for personal growth and enrichment, and a success-fostering environment based on cooperation, communication, and caring.

With these principles in mind, FDU is dedicated to supporting the whole student — academically, physically, emotionally, socially, and spiritually — through a variety of

offices and services. Academic assistance and advisement, health and wellness centers, graduate and career guidance, and a variety of programs serving students of special needs and circumstances are all available and their use is actively encouraged.

Freshman Services

Not every student is ready to hit the ground running as they embark on their college career. FDU offers several programs tailored to overcome the apprehensions that our incoming students may experience.

- COMPASS (Autism support)
- Freshman Intensive Studies (FIS, Florham)
- Enhanced Freshman Experience (EFE, Metro)
- SUCCESS program for adult freshmen, Metro
- Educational Opportunity Fund for financially-qualifying NJ-based freshmen
- Summer Experience for Students with Learning Disabilities
- Pre-University Program (PUP) English language and American culture for international students, Metro
- Pre-University Program (PUP), Vancouver

Advisement

Advisors help you to navigate FDU academics to be sure you follow the curricular road to graduation.

- Center for Academic Advising and Student Success, Florham
- Center for Academic Advising and Student Success, Metro
- Center for Business Students

Tutoring and Support

Support centers help you study with additional instruction in your subjects, with small group or one-on-one tutoring sessions.

- Academic Support Center, Florham
- Academic Support Center, Metro
- Metro Writing Studio
- Academic Support Program (ASP), Vancouver

Disability Support, NJ Campuses

- Disability Support Services
- Center for Students with Learning Disabilities

Career Development Center

Colleges and Schools

Maxwell Becton College of Arts and Sciences

Florham Campus, Madison, New Jersey; Metropolitan Campus, Teaneck, New Jersey; and Vancouver Campus, Vancouver, British Columbia, Canada

Janet Boyd, Interim Dean

The Maxwell Becton College of Arts and Sciences deepens students' understanding of their chosen fields, while teaching them to communicate and reason clearly and effectively. The College is committed to helping students advance their careers or continue studies for higher degrees.

In addition to the programs of study and departments listed, the college houses the Hispanic Center and Programs in English for Academic and Professional Success (PEAPS).

Graduate Programs of Study

- Animation (MA) (Florham Campus only)
- Animation (MFA) (Florham Campus only)
- Biology (MS) (Metropolitan Campus only)
  - Concentrations: biotechnology, business

- Chemistry (MS) (Florham and Metropolitan campuses only)
- Chemistry with Pharmaceutical Science Concentration (MS) (Metropolitan Campus only)
- Communication (MA) (Florham Campus only)
- Cosmetic Science (MS) (Metropolitan Campus only)
- Creative Writing (MFA) (Florham Campus only)
- Creative Writing and Literature for Educators (MA) (Florham Campus only)
- Criminal Justice (MA) (Metropolitan Campus only)
- Film (MFA) (Florham Campus only)
- Political Science (MA) (Metropolitan Campus only)

Undergraduate Programs of Study

- Art (BA) (Metropolitan Campus only)
  - Concentrations: computer art and design, graphic art and design

- Biochemistry (BS) (Florham and Metropolitan campuses only)
  - Florham Campus Concentration: prepharmacy

- Biology (BS) (Florham and Metropolitan campuses only)
  - Florham Campus Concentrations: anatomy and physiology, cellular and molecular biology, ecology and environmental biology, preprofessional
  - Metropolitan Campus Concentrations: anatomy and physiology, biotechnology, cellular and molecular biology, ecology and environmental biology

- Chemistry (BS) (Metropolitan and Florham campuses only)
- Communication (BA)
  - Florham Campus Concentrations: human communication, multimedia journalism, public relations, social media
  - Metropolitan Campus Concentrations: advertising, social media

- Computer Science (BS) (Florham Campus only)
    - Concentrations: cybersecurity, data science, game development

- Creative Writing (BA) (Florham Campus only)

- Criminal Justice (BA) (Metropolitan Campus only)

- Criminology (BA) (Florham Campus only)

- Film and Animation (Animation) (BA) (Florham Campus only)
    - Concentrations: 3D animation, 2D animation, video game animation

- Film and Animation (Film) (BA) (Florham Campus only)
    - Concentrations: cinematography, directing, postproduction, producing

- Fine Arts/Studio Arts (BA) (Florham Campus only)

- Government and Politics (BA) (Florham and Metropolitan campuses only)
    - Florham Campus Concentrations: global politics, legal studies
    - Metropolitan Campus Concentration: international affairs

- Graphic Design (BA) (Florham Campus only
    - Concentrations: illustration, print design, web design

- History (BA) (Florham and Metropolitan campuses only)
    - Metropolitan Campus Concentration: social studies

- Humanities (BA) (Florham and Metropolitan campuses only)

- Individualized Studies (BA) (Metropolitan and Vancouver campuses only)

- Liberal Arts (AA) (online only)

- Liberal Arts (AA) (Hispanic Center)

- Literature (BA) (Metropolitan and Florham campuses only)

- Marine Biology (BS) (Metropolitan Campus only)
    - Concentration: ecology and environmental biology

- Mathematics (BA) (Florham Campus only)
    - Concentrations: actuarial science, computer science, financial mathematics

- Philosophy (BA) (Florham Campus only)

- Science (BS) (Metropolitan Campus only)

- Sociology (BA) (Florham Campus only)
- Theater Arts (BA) (Florham Campus only)
  - Concentrations: acting, design and technical theater, directing, musical theater, theater studies

Special Programs

- Hispanic Center
- Programs in English for Academic and Professional Success

Faculty & Staff

Administration

J. Boyd, Interim Dean

L. Khreisat, Associate Dean

E. Panuccio, Interim Associate Dean

A. Markiewicz-Hocking, Assistant Dean

School of Humanities

M. Boyd, Chair; P. Bazán, S. Belén-Ramos, J. Boyd, L. Corces, M. Cotto, N. Damjanovski, P.K. Durso, N. Ghosh, J. Gifford, A. Horton, O. Kidder, K. Lyons, O. Makridis, A. Mohammed, C. Noels, M. Norafkan, E. Oliveros, G. Pastorino, A. Patrick, F. Pinto, E. Reid, B. Rifkin, A. Rudder, K. Sammond, C. Sobreiro, T. Swanzey, A. Velasquez, J. Wagner

School of Interdisciplinary Studies

The School of Interdisciplinary Studies houses the interdisciplinary majors and minors that are offered in collaboration among the other schools of Maxwell Becton College of Arts and Sciences.

School of Social Sciences and History

Department of Communication

G. Radford, Chair; K. Alaimo, Deputy Chair; C. Caldiero, Director, MA in Communication; F. Bridges, C. Foster, K. Haspel, T. LoPonte, J. Sipila

Department of Criminology and Criminal Justice

J. Nowotny, Chair; E. Panuccio, Deputy Chair; D. Evans, Graduate Program Director of Criminology and Criminal Justice; J. Jones, M. Saad, M. Sacks, A. Shlosberg

Department of Social Sciences and History

G. Darden, Chair; C. Rasmussen, Deputy Chair; C. Acosta, P. Burkholder, D. Cassino, F. Degiuli, M. Ferrans, F. Gladstone, R. Houle, L. Huertas Castillo, K. Kattelman, R. Nasser, B. Peabody, S. Raphalides, W. Roberts, J. Schiemann, L. Ultan

School of the Arts

T. Rosen, Director; H. Libov, Chair and Director, MFA in Film; D. Larson, Director, Animation and Video Game Animation Programs and MFA in Animation; D. Daniel, Director, MA in Creative Writing and Literature for Educators; S. Lents, Director of Theater Program; J. O'Neil, Director of Graphic Design; Y. Aronson; J. Cinco; G. Cochrane; A. Cohen; D. Grand; E. Hoffman; V. Howell; D. Landau; C. Loewus; J. Moonelis; P. Polsin, M. Roberts

School of the Sciences, Mathematics and Computer Science

Department of Biological Sciences

M. McClary, Chair; E. Myers, Deputy Chair; J. Agugliaro, M. Akinyemi, A. Benzecry, M. DeStefano, M. El-Sherbeini, M. Ingala, R. LoPinto, E. Morton, H. Parzer, N. Philips, J. Salierno, J. Stout, M. Valenti, A. Wallace, H. Winters

Department of Chemistry, Biochemistry and Physics

J. Dougherty, Chair; M. Elshaer, Deputy Chair; G. Anderle, R. Barrows, S. Bashkova, J. Bogart, G. Dorata, B. Knorr, I. Kumar, M. Leonida, G. Nandikotkur, A. Teslja, C. Traba, G. Zhu

Department of Mathematics and Computer Science

M. Slaby, Chair; W.A. Antoine, N. Carrillo, I. Darwish, Y. Kazhdan, L. Khreisat, Y. Kim, R. Mayans, J. Namazi, P. Penrice, R. Selig, K. Sharma, G. Singh. N. Sinha, S. Verma, N. Yang

Silberman College of Business

Florham Campus, Madison, New Jersey; Metropolitan Campus, Teaneck, New Jersey; and Vancouver Campus, British Columbia, Canada

James G. Almeida, Dean

The Silberman College of Business is accredited by AACSB International, the premier business school accrediting body.

Silberman College is a tricampus college of the University, offering undergraduate and graduate programs at the Florham Campus, Madison, New Jersey; on the Metropolitan Campus, Teaneck, New Jersey; and undergraduate programs on the Vancouver Campus, British Columbia, Canada.

Silberman College seeks to instill in its students a superior level of knowledge and competence in business-related disciplines, inspiring them to exercise ethical leadership to strengthen and enrich sustainable organizations and communities. The College's faculty, staff, administration and alumni are committed to helping maximize students' preparation for professional success and mobility in a dynamic global business environment.

The College aims at achieving recognition as a leading provider of high-quality, innovative education in business and as a leader in the enhancement of the practice of business management through the applied research and professional activities of the faculty.

The College achieves its mission through:

- Undergraduate and graduate degrees offering a variety of relevant and in-demand specializations,
- Curricula focused on the educational growth of students and responsive to the needs of the business community,

- Teaching excellence in all its programs,
- Experiential and collaborative learning in small, interactive classes,
- Research capabilities that advance the theory and practice of business,
- Strong cocurricular programming focused on professional development and
- Close ties with alumni and the business community that facilitate securing internships and placement for students.

Distinguishing Features of Silberman College

Distinguishing features of Silberman College's graduate academic programs include:

- Program curricula designed to promote the development of leading-edge skills and competencies;
- Programs that emphasize personal experiences that promote the development of global skills, which contribute to transformational learning opportunities;
- Flexible delivery modes including onsite, flex-hybrid delivered remotely as well as asynchronous online;
- Courses scheduled either on weeknights or on weekends, enabling a work-life balance;
- State-of-the-art resources such as the Bloomberg Finance labs;
- Preparation for industry certifications and professional badges;
- Unique study-abroad opportunities;
- Dual-degree options;
- Personalized academic advising;
- Relevant internship opportunities;
- 4+1 option (students can earn both an undergraduate and graduate degree in five years); and
- Cocurricular activities such as a comprehensive Professional Development Program (PDP), student organizations focused on professional business disciplines and visits to business firms and institutions in the area.

Graduate Programs of Study

- Master of Business Administration (MBA)
  - Accounting
  - Data Analytics

- o Finance
- o International Business
- o Leadership and Managing Innovation
- o Marketing
- o Pharmaceutical Management
- o Supply Chain Management

- Master of Business Administration (MBA) for Executives
- Master of Science (MS) — Accounting
- Master of Science (MS) — Digital Marketing (online only)
- Master of Science (MS) — Supply Chain Management
- Master of Science (MS) — Taxation (online only)

In addition to the above programs, the College offers graduate certificates. Students with a bachelor's degree may receive a certificate upon completion required courses within a specialization.

Undergraduate Programs of Study

- Accounting (BS)
- Business Administration (BS)
  - o Optional concentrations: information systems, international business, professional selling and sales management

- Entrepreneurship (BS) (Florham Campus only)
- Finance (BS)
  - o Optional concentration: financial planning and wealth management

- Management (BS)
  - o Concentrations: human resource management, leadership

- Marketing (BS)
  - o Optional concentration: digital marketing

- Selected Majors BA/BS, Digital Marketing MS 4 Plus 1
- Selected Majors BA/BS, Supply Chain Management MS 4 Plus 1

Faculty & Staff

Administration

J.G. Almeida, Dean

JD Wischnevsky, Associate Dean

M. Sakin, Assistant Dean, Corporate Engagement and Student Success

E. Sinoway. Director of Program Marketing and Recruitment

S. Li Ferry, Associate Director of Graduate Programs, Recruitment and Student Support

L. Sachs, Graduate Counselor

Department of Accounting, Taxation, Law and Information Sciences

S. McGregor, Chair; D. Collier, O. Groth, J. Hsu, Y. Kim, L. Mandel, C. Nogara, L. Qin, H. Rozen, V. Sampath, J. Schiff, X. Tan, R. West

Department of Finance, Decision Sciences, Economics and International Business

K. Denning, Chair; P. Anastasopoulos, A. Bazargan, K. Betz, I. Cane, P. Cozza, F. Englander, M. Kieff, W. Kuang, M. Montasser, Z. Nie, S. Tuluca, L. Wang, X. Yang

Department of Marketing, Management and Entrepreneurship

O. Topaloglu, Chair; J.G. Almeida, P. Balthazard, S. Behson, D. Celentano, R. Chandrashekaran, Y. DeMotta, G. Farias, G.E. Jones, E.J. Ko, I. Krysa, I. Mercer, O. Nwachukwu, J. Reid, JD Wischnevsky

Lee Gildart and Oswald Haase School of Computer Sciences and Engineering

Metropolitan Campus, Teaneck, New Jersey; Florham Campus, Madison, New Jersey; and Vancouver Campus, British Columbia, Canada

Alfredo Tan, Director

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers 11 bachelor's and six master's degree programs in the various high-paying and high-demand fields of computer science, cybersecurity, engineering, engineering technology, information technology, management information systems and mathematics at the Metropolitan Campus, Teaneck, New Jersey; Florham Campus, Madison, New Jersey; and Vancouver Campus, British Columbia, Canada.

GHSCSE is based on the Metropolitan Campus, in Teaneck, New Jersey, which is near New York City. New Jersey and New York are home to many high-tech companies and businesses, which employ hundreds of thousands of computer professionals, engineers, technologists and mathematicians. GHSCSE offers 16 programs at the FDU Metropolitan Campus as listed below. It also offers the MS in computer science program at the Florham Campus in Madison, New Jersey, in collaboration with the School of the Sciences, Mathematics and Computer Science of Maxwell Becton College of Arts and Sciences; and the BS in information technology and the MS in applied computer science programs at the Vancouver Campus in Vancouver, British Columbia, Canada.

Nine of the bachelor's degree programs offered at the Metropolitan Campus are accredited by various commissions of the ABET. ABET accreditations (see the Undergraduate Studies Bulletin), when applicable, apply only to the programs offered on the Metropolitan Campus by GHSCSE and not on any other campuses of Fairleigh Dickinson University (FDU), including the Florham Campus and the Vancouver Campus.

GHSCSE prepares students for professional careers of global interest and importance. It produces highly skilled graduates to work in the high-tech industry in various professions with diverse roles that rank among the top earners. These professions have ample career opportunities, a very good average starting salary, excellent median long-term salary, robust job growth and great career fulfillment. The demand for these professions will further increase when the $1.2-trillion Infrastructure Investment and Jobs Act is fully implemented over the next several years.

The programs in the school enable students to learn and seek creative solutions to global issues and societal problems in technical coursework, emphasizing professional

practice, ethics and responsibility. The computer and engineering laboratory experience is fully integrated with coursework. Students work in many cutting-edge laboratories. They also participate in field trips and competitions, work on interdisciplinary and real-world projects, intern at various companies and attend seminars on current trends in computer science, engineering and technology.

The state-of-the-art laboratories include the research and development lab for cutting-edge technologies and fields, computer networking and system administration lab, cyber defense and digital forensics lab, apps development lab, green energy lab, industrial automation and robotics lab, CNC manufacturing lab, 3D printing lab, advanced mechatronics lab, materials testing and mechanical training lab, electromechanical systems lab, HVAC and fluids lab, electronics and communications lab, computer interfacing lab, soils mechanics lab, the construction materials lab and several computer labs. GHSCSE is a member of the Cisco Networking Academy.

The school has received wide recognition from alumni, industry and professional associations. It has also received many grants from various organizations and state and federal agencies, including $2 million from the state of New Jersey; $1.8 million from the National Security Agency; $800,000 from the Mechanical Contractors Association of New Jersey; $400,000 from the National Science Foundation; and $200,000 from the Hearst Foundations, among others. GHSCSE is named through a $5-million gift by Dr. Gregory Olsen, an FDU alumnus, trustee and benefactor, in honor of his two former FDU professors, Dr. Lee Gildart and Dr. Oswald Haase. More recently, Dr. Olsen donated another $5 million as seed money to establish the Olsen Campus Center at the Metropolitan Campus.

Graduate Programs of Study

- Applied Computer Science (MS) (Vancouver Campus)
- Computer Engineering (MS) (Metropolitan Campus)
- Computer Science (MS) (Florham Campus and Metropolitan Campus)
- Cybersecurity and Information Assurance (MS) (Metropolitan Campus)
- Electrical Engineering (MS) (Metropolitan Campus)
- Management Information Systems (MS) (Metropolitan Campus)

Undergraduate Programs of Study

- Civil Engineering (BSCE) (Metropolitan Campus)
- Civil Engineering Technology (BSCivET) (Metropolitan Campus)

- Computer Science (BS) (Metropolitan Campus)
    - Concentrations: big data and analytics, cybersecurity and information assurance, game and mobile application development

- Construction Engineering Technology (BSConET) (Metropolitan Campus)
- Electrical Engineering (BSEE) Metropolitan Campus)
- Electrical Engineering Technology (BSEET) (Metropolitan Campus)
- Information Technology (BS) (Metropolitan Campus)
    - Concentrations: network and system administration, security and forensics, web-development technology

- Information Technology (BS) (Vancouver Campus)
    - Minor: business

- Mathematics (BA) (Metropolitan Campus)
- Mathematics (BS) (Metropolitan Campus)
    - Concentrations: applied mathematics, pharmaceutical biostatistics, pure mathematics

- Mechanical Engineering (BSME) (Metropolitan Campus)
- Mechanical Engineering Technology (BSMET) (Metropolitan Campus)

Faculty & Staff

Administration

A. Tan, Director

K. Mondal, Deputy Director, Engineering and Technology Division

M. Lewis, Associate Director, Engineering and Technology Division

Y. Tang, Associate Director, Computer Science, Information Systems and Mathematics Division

Faculty

S. Abdelazim, V. Alizadeh, J. Alsakran, A. Casti, N. Chaouch, Z. Chen, W. Choi, W. Dai, M. Farag, S. Huddy, V. Janarthanan, E. Kose, M. Lewis, Y. Liu, Z. Mao, K. Mondal, S.

Mukherjee, S. Noor, A.R. Rao, J. Ryoo, A. Saravana Kumar, C. Stubbs, A. Tan, Y. Tang, M. Umer, A. Vatsa, H. Zhao

Peter Sammartino School of Education

Metropolitan Campus, Teaneck, New Jersey; and Florham Campus, Madison, New Jersey

Kathryn Spence, Director

The Peter Sammartino School of Education offers accredited graduate programs for teacher certification in early childhood, and elementary and secondary education. Offerings include Master of Arts in Teaching (MAT) first certification programs, Master of Arts for certified teachers with a wide variety of specializations including English as a Second Language (ESL and bilingual), teacher of students with disabilities (TSD), reading/literacy specialist (LRS), Orton-Gillingham Dyslexia specialist and educational leadership (MA) (including supervisor and principal certification).

The School of Education offers both an MA and an EdD in higher education for those who wish to pursue a leadership position at a higher-education institution.

The School of Education is located on the Metropolitan Campus in Teaneck, New Jersey; on the Florham Campus in Madison, New Jersey; and on selected community-college campuses throughout the state of New Jersey. Most graduate programs are also offered online. It is nationally accredited by the Council for the Accreditation of Educator Preparation (CAEP) providing value and national recognition as a school of quality when FDU students pursue careers in teaching, administration and leadership.

Graduate Programs of Study

- Education for Certified Teachers
  - Bilingual/Bicultural Education Specialist Endorsement (New Jersey Certificate)

- o Early Childhood Specialist P–3 Endorsement (Second New Jersey Certificate)
  - o English as a Second Language Endorsement (New Jersey Certificate)
  - o Instructional Technology Specialist Certificate
  - o Literacy/Reading Specialist Endorsement (New Jersey Certificate)
  - o Literacy/Reading Specialist Endorsement with Multisensory Reading Track
  - o Professional Studies in Education (PROST, FDU Certificate)
  - o Teacher of Students with Disabilities Endorsement

- Educational Leadership (MA) (Principal/Supervisor Certification)
- Higher Education (EdD)
- Higher Education Administration (MA) (online only)
- Learning Disabilities (MA)
- Teaching (Postbaccalaureate Certificate of Eligibility with Advanced Standing [CEAS]) (New Jersey Certification)
  - o Early Childhood (P–3)
  - o Early Childhood (P–3) and Teacher of Students with Disabilities
  - o Elementary Education K–6
  - o Elementary Education (K–6) and Teacher of Students with Disabilities
  - o English as a Second Language
  - o Middle School Education Endorsement (Grades 5–8)
  - o Secondary Education K–12 (Biology, Chemistry, Physical Science, Earth Science, Math, English, Social Studies, Art, World Languages)
  - o Secondary Education (K–12) and Teacher of Students with Disabilities

- Teaching English as a Second/Foreign Language (TESL/TEFL) (MA) (for international students; does not lead to a New Jersey teaching certificate)

Faculty & Staff

Administration

K. Spence, Director

Faculty

D. Baker, J. Bornstein, A. Cardace, F. Engram, K. Joshi, C. Manly, B. Mooney, A. Robinson, M. Smith, K. Spence, S. Suh, R. Westbrook

International School of Hospitality, Sports, and Tourism Management

Florham Campus, Madison, New Jersey; Metropolitan Campus, Teaneck, New Jersey; and Vancouver Campus, British Columbia, Canada

Jarrett Bachman, Interim Director

The International School of Hospitality, Sports, and Tourism Management offers a selection of programs in person, online and in "immersion studies" format that meet the varied needs of students' learning styles, career focus and academic-achievement ambitions.

The common thread of all these programs is that they offer a choice of lifestyle to students during and after their time in school that will define where they work, whom they work with and what they work for.

The school emphasizes the connection between practicality and innovation in industries that value talent tuned into the future needs of its clients and businesses.

The school prides itself on high-level connections to industry leaders who guide and support the vision of creating future-oriented global trailblazers in the hospitality, sports and tourism sectors.

Recognizing that professionals in the hospitality, sports and tourism sectors are working in time- constrained leadership roles, fully online options are available to students in

some programs as well as in the school's innovative "immersion studies" which conjugate work and study simultaneously within prestigious brands.

It is a core philosophy of the school to offer groundbreaking curricula designed and taught by thought leaders and working professionals in the hospitality, sports and tourism sectors. The school steps out of the ordinary to serve the extraordinary potential of its students.

Graduate Programs of Study

- Hospitality Management Studies (MHMS) (Metropolitan Campus and online)
- Hospitality Management Studies (MHMS) (Vancouver Campus)
- Sport Management (MSM) (online or on campus)
    - Concentrations: coaching theory and strategy, high school athletic director (only available to New Jersey certified teachers), sports administration

Undergraduate Programs of Study

- Hospitality and Tourism Management (BA)
    - On-campus Track
    - Immersion Studies Track offered in partner companies and resorts

- Individualized Studies (with Hospitality and Tourism Management Specialization) (BA) (Vancouver Campus)
- Sport Management (BA)

Faculty & Staff

Administration

J. Bachman, Interim Director (All Campus Locations)

D. Hoover, Associate Director of Enrollment Management (New Jersey campuses)

M. Barto, Program Director, Master of Hospitality Management Studies (Metropolitan Campus)

I. Gersh, Program Director, BA in Hospitality and Tourism Management (New Jersey campuses); Director of Assessment and Accreditation

J.C. Kim, Program Director, Sport Management (Metropolitan Campus)

R. Lubisco, Program Director, Sport Management (Florham Campus)

A. Minick, Associate Director of Industry Relations (New Jersey campuses)

D. Chiang, Assistant Director of Enrollment Management (Vancouver Campus)

M. Hawzen, Assistant Director of Industry Relations (New Jersey campuses)

S. Schwenk, Administrative Assistant (New Jersey campuses)

Faculty

J. Bachman, M. Barto, D. Chiang, I. Gersh, M. Hawzen, D. Hoover, J.C. Kim, M. Lever, R. Lubisco, A. Minick, K. Pappas, H. Roy

Henry P. Becton School of Nursing and Allied Health

Florham Campus, Madison, New Jersey; and Metropolitan Campus, Teaneck, New Jersey

Annie Rohan, Dean

The Henry P. Becton School of Nursing and Allied Health includes the disciplines of nursing and allied health professions. Both disciplines offer undergraduate programs in the Metropolitan and Florham campuses, and the graduate programs and Doctor of Nursing Practice are online.

The Bachelor of Science in Nursing (BSN) program prepares professional nurses to provide comprehensive nursing care to persons and families in all environments where health care is required. Graduates of the program are eligible and prepared to take the

NCLEX-RN for licensure as a registered nurse (NCLEX- RN passing rates are 90 to 95 percent in the last three years).

The school offers a Master of Science in Nursing degree (MSN) with clinical and nonclinical tracks. The MSN program clinical track prepares nurses with a BSN or Bachelor of Science degree nurses in another field as nurse practitioners in adult gerontology, family practitioner and psychiatric/mental health. The nonclinical tracks offered are health care administration and health care education administration.

Since 2007, the Henry P. Becton School of Nursing and Allied Health has offered a Doctor of Nursing Practice (DNP) degree, a 37-credit program which educates advanced practice nurses and nurse executives with advanced knowledge in organizational leadership, systems, evidence-based practice, financial acumen and education to lead innovations in nursing practice, educational institutions, healthcare and other nursing organizations.

The Executive Model DNP Program prepares nurse leaders to translate nursing science in practice, collaborate with intra- and interdisciplinary teams to develop solutions and attain positive health care outcomes for populations and communities.

The baccalaureate degree program in nursing/master's degree program in nursing/Doctor of Nursing Practice program and/or post-graduate APRN certificate program at Fairleigh Dickinson University are accredited by the Commission on Collegiate Nursing Education.

The allied health professions include undergraduate, graduate and doctoral programs. The Doctor of Physical Therapy Program is a joint offering with Rutgers University. In this program, students will receive a joint degree from Fairleigh Dickinson University and Rutgers University.

Graduate Programs of Study

- Health Care Administration (MSN)
- Health Care Education Administration (MSN)
- Nurse Practitioner (MSN)
    - Clinical Specialties: Adult Gerontology Primary Care Nurse Practitioner, Family Nurse Practitioner, Psychiatric Mental Health Nurse Practitioner, Women's Health Nurse Practitioner

- Nursing Practice (DNP) (online only)

- Physical Therapy (DPT) Combined Degree

Postgraduate Certificate Programs

- Adult Gerontology Primary Care Nurse Practitioner (online only)
- Family Nurse Practitioner (online only)
- Psychiatric Mental Health Nurse Practitioner (online only)
- Women's Health Nurse Practitioner (online only)

Undergraduate Programs of Study

- Allied Health Technologies (BSAHT)
  - Concentrations: health science (Metropolitan Campus only), radiologic technology (Florham Campus only)
- Clinical Laboratory Sciences (BS)
- Health Information Management (BS)
- Health Studies (BS)
- Medical Imaging Science (BS)
  - Concentrations: cardiovascular sonography, diagnostic medical sonography
- Medical Technology (BS) (Metropolitan Campus only)
- Nursing (BSN)
- Radiography (AS) (Metropolitan Campus only)
- Radiologic Technology (BS) (Metropolitan Campus only)
- RN to BSN (with and without associate degree) (Metropolitan Campus only)

Faculty & Staff

Administration

A. Rohan, Dean

M. Molloy, Associate Dean for Academic Affairs

S. Colon Cabassa, Director, Entry-level Nursing Programs

J. Jennas, Director, MSN Entry-to-Practice Track

S. McMillan, Director, Adult Gerontology Primary Care Nurse Practitioner Track

C. Meddles-Torres, Director, Psychiatric/Mental Health Nurse Practitioner Track

F. Millman, Director, Academic Affairs

D. Minardi, Director, Allied Health Programs

M. Templeton, Director, Clinical Laboratories

C. Werther, Director, Family Nurse Practitioner Track

Faculty

M. Barra-Schneider, D. Carrazzone, V. Castellano, S. Colon Cabassa, S. Hart, J. Jennas, L. Kelly, S. McMillan, C. Meddles-Torres, F. Millman, D. Minardi, M. Molloy, O. Oyedele, A. Persaud, K. Smith-Wenning, M. Templeton, M. Vargas, C. Vilchez, C. Werther, M. West-Lawrence, B. Yu

School of Pharmacy and Health Sciences

Florham Campus, Madison, New Jersey (230 Park Avenue, Florham Park, New Jersey)

Anastasia Rivkin, Dean

The School of Pharmacy and Health Sciences offers an innovative Doctor of Pharmacy program along with newly created programs — public health, social work, physician assistant studies and occupational therapy.

The school's **PharmD** program has produced a diverse group of graduates who are leading the way into the future of pharmacy. This dynamic program of study integrates the very best practices in pharmacy education today. Students will:

- Have the option to specialize in a concentrated area of study and earn a master's-level degree concurrently with the PharmD degree.
- Participate in new partnerships with pharmacy leaders in industry, retail, government and hospitals who will provide mentoring, guidance and resources.
- Benefit from the strengths of a small college environment, yet learn from top-tier faculty in new facilities specifically designed for the School of Pharmacy and Health Sciences.

The fully online, accelerated **Master of Public Health** program offers students the opportunity to participate in an interactive, online classroom, where they begin their program with a selection of core courses followed by a curriculum specific to several professional tracks. The program features flexible schedule options, and throughout each semester, students gain hands-on experience working with public health tools through group interactions involving case studies and integrated care groups that focus on interprofessional education.

The **Master of Social Work** is a fully online program that provides a competency-based education, preparing students to work as an advanced social-work practitioner capable of leading developmental efforts in both public and private social service arenas. It includes extensive field practicum experience.

The Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) has granted **Accreditation-Provisional** status to the **Fairleigh Dickinson University Physician Assistant Program** sponsored by Fairleigh Dickinson University.

Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not yet enrolled students appear to demonstrate the program's ability to meet the ARC-PA *Standards* or when a program holding Accreditation-Provisional status appears to demonstrate continued progress in complying with the *Standards* as it prepares for the graduation of the first class (cohort) of students. Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class. The program's accreditation history can be viewed on the ARC-PA website.

The PA program developed a two-and-a-half-year curriculum leading to a **Master of Science (MS) in PA** studies. The curriculum encompasses a 12-month Didactic Phase that includes classroom and laboratory instruction in the medical sciences, clinical medicine, clinical and procedural skills, professional topics and medical research.

The **Master of Health Science** (MHS) is a 31-credit blended degree program (combining online and in-person course work) designed with specialized tracks allowing students unique opportunities for career development and advancement.

All students obtaining the MHS complete a health science core consisting of course work around the legal, ethical, managerial and public-health issues facing all aspects of health care. Following the completion of the core curriculum, students will have the option to pursue one track.

The specially designed tracks provide focused expertise in the areas of clinical research administration or regulatory science. Students in these specialized tracks will complete advanced and specialized course work in preparation for future careers in the pharmaceutical industry, regulatory affairs, health outcomes and health-care delivery. Courses in these tracks will be offered in person, with options for online and health science hybrid course models being introduced as appropriate.

The entry-level occupational therapy doctoral degree program has applied for accreditation by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929, with telephone number (301) 652-2682. Its web address is https://www.acoteonline.org.

The program must be granted Candidacy Status, have a preaccreditation review, complete an on-site evaluation and be granted Accreditation Status before its graduates will be eligible to sit for thenational certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

Graduate Programs of Study

- Health Science (MHS)
  - Tracks: Clinical Research Administration, Regulatory Affairs

- Occupational Therapy (OTD)
- Pharmacy (PharmD)
- Physician Assistant (MS)

- Public Health (MPH) (online only)
- Social Work (MSW) (online only)

Faculty & Staff

Administration

A. Rivkin, Dean

C. Sandifer, Executive Associate Dean

L. Rozaklis, Associate Dean for Assessment, Accreditation and Strategic Planning

J. Bucchio, Assistant Dean of Academic Affairs – Health Sciences

P. Lemmerman, Assistant Dean for Student Affairs

J. Shtaynberg, Assistant Dean for Experiential Education

L. Westrich, Assistant Dean of Academic Affairs – Pharmacy

T. Templin, Executive Director for Admissions and Enrollment Operations

Y. Guo, Chair of Department of Pharmaceutical Science

J. Kalabalik-Hoganson, Chair of Department of Pharmacy Practice

A. Brace, Director of Master of Public Health Program

Z. Clay, Director of Master of Social Work Program

E. Mandel, Director of Physician Assistant Program

V. Pingale, Director of Occupational Therapy Doctorate Program

Faculty

J. Albanese, A. Allesandra, L. Arredondo, I. Beitscher, C. Bottiglierie, A. Brace, J. Bucchio, A. Buckingham, N. Campbell, A. Carbone, Z. Clay, A. Cole, A. DaSilva, A. Dushenkov, J. Farley, K. Frey, A. Gamal Eldin, Y. Guo, J. Han, O. Iwuchukwu, P. Jungsuwadee, E. Kaiser, J. Kalabalik-Hoganson, A. Kalra, D. Kim, E. Kwon, E. Mandel,

K. Melgar, C. Merckx, M. Murphy, A. Nogid, E. Ocheretyaner, F. Ostella, A.E. Özdener-Poyraz, V. Pingale, D. Prisco, D. Rehman, M. Reslier, A. Rivkin, M. Slugocki, N. Spaldo, T. Timberman, A. Volpe, L. Westrich, A. Zelinski, N. Zmuda

School of Psychology and Counseling

Metropolitan Campus, Teaneck, New Jersey; and Florham Campus, Madison, New Jersey

Benjamin D. Freer, Director

The School of Psychology and Counseling offers undergraduate and graduate programs at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The graduate programs develop professional psychologists and counselors who will be prepared for a successful career in diverse settings such as mental health, hospital/medical, research, governmental and business. The undergraduate program emphasizes a broad understanding of the key fields within psychology while offering opportunities for career-oriented programs. The school stresses experiential and field-based learning through internships, student-directed research, faculty-directed research and community service that supplement academic instruction. The school is committed to helping students to advance their careers or continue studies of advanced degrees.

Graduate Programs of Study

- Clinical Mental Health Counseling (MA) – Accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Clinical Psychology (PhD) – Accredited by the American Psychological Association (APA)
- Clinical Psychology with Optional Add-on Forensic Track
- Clinical Psychopharmacology (postdoctoral MS)
- Forensic Psychology (MA)
- General/Theoretical Psychology (MA)

- General/Theoretical Psychology (MA) - China
- Industrial/Organizational Psychology (MA)
- Industrial/Organizational Psychology (MA) - China
- Postbaccalaureate Respecialization Track in Psychology
- School Psychology (PsyD)
  - Advanced PsyD

- School Psychology (MA)

Undergraduate Program of Study

- Psychology (BA)
  - Optional Tracks: consumer psychology, forensic psychology, mental health

Faculty & Staff

Administration

B.D. Freer, Director

A.F. Tasso, Deputy Director

Faculty

S. Armeli, G. Bartoszek, L. Bracamonte, D. DeNigris, M. Diener, A. Eisen, R. Griffo, N. Hamsho, E. Harrington, B. Johnson, E. McGlinchey, R. McGrath, T. Nolan, E. Oak, S. Petardi, D. Pogge, Y. Qiu, L. Raffaele Mendez, J. Romei, R. Santer, A. Sheinfil, M. Slavin, S. Spriggs, A. Tasso, G. Tortoriello, K. Viezel, A. Wagener, G. Winters, M. Yun, J. Zibulsky

School of Public and Global Affairs

Florham Campus, Madison, New Jersey; Metropolitan Campus, Teaneck, New Jersey; Vancouver Campus, British Columbia, Canada; and Wroxton College, Oxfordshire, England

Peter J. Woolley, Founding Director

The School of Public and Global Affairs is distinguished by project-based learning in multinational classes led by accomplished practitioners focusing on issues of both local and global importance. The school also includes the nationally recognized FDU Poll.

Its master's programs prepare students to make an immediate impact in the workplace and excel within their industry. All courses are taught by expert faculty who hold advanced degrees and readily share their professional knowledge and networks. Students may be eligible for advanced standing due to prior learning experiences, helping them earn their degrees even more quickly and affordably.

Graduate Programs of Study

- Administrative Science (MAS)
- Administrative Science (MAS) Online
- Administrative Science (MAS) Puerta Al Futuro
- Administrative Science (MAS) Vancouver Campus
- Cyber and Homeland Security Administration (MS)
    - Concentrations: leadership, terrorism and security studies

- Cyber and Homeland Security Administration (MS) Online
- Global Affairs (MA)
- Healthcare Administration (MHA)
- Public Administration (MPA)
    - Specializations: global affairs, global transportation management, health care management, public management, public policy

- Public Administration (MPA)/Master of Public Health (MPH) Dual Degree
- Public Administration (MPA)/Doctor of Pharmacy (PharmD) Dual Degree

The school also offers graduate certificates that are designed to meet the continuing educational and professional-development needs of practitioners and students. Certificates are offered on-campus, online and at offsite locations. They can be

completed as an individual credential or incorporated into a related master's degree for those meeting the program admission requirements. Certificates are six courses (18 credits). Students in any of the master's programs are permitted to apply their courses toward one degree and also toward graduate certificate(s). Students are encouraged to incorporate a graduate certificate in their master's study plan.

Graduate Certificates

- Administrative Science
- Diplomacy and International Relations
- Emergency Management Administration
- Global Health and Human Services
- Global Leadership and Administration
- Global Security and Terrorism
- Global Transportation Management
- Health Care Management
- Homeland Security Administration
- Homeland Security Leadership
- Homeland Security — Terrorism and Security Studies
- Human Resources Administration
- Law and Public Safety Administration
- Leadership Theory and Practice
- Nonprofit Organizational Development
- Public Management
- School Security and Safety Administration

Faculty & Staff

Administration

P.J. Woolley, Founding Director

A. Garg, Associate Director for Vancouver Campus

L. Nienstedt, Associate Director

D. Cassino, Executive Director, FDU Poll

C. Costa, Director of Master of Healthcare Administration

R. Higginson, Director of Market Research, FDU Poll

R. Snelling, Assistant Director for Off-campus Programs

P.M. Laubsch, Academic Coordinator

D. Sadowski, Senior Coordinator for Off-campus Programs

Faculty

A. Adeniyi, J. Buenahora, C. Bygrave, G. Fazari, A. Garg, H. Hakimpour, A. Javadi, M. Khoee, P. Laubsch, C. Ozurumba, L. Rahal, R. Rosada, W. Schuber, T. Singdeo, W. Toms

[Back to Top](#)

Hispanic Center

Irene Oujo, Executive Director

The Hispanic Center under the Maxwell Becton College of Arts and Sciences offers programs that are designed to help Latino students achieve their college goals.

Academic Programs

Puerta Al Futuro® (Gateway to the Future®)

The program enables Spanish-speaking adults to learn English through free ESL courses and to earn an associate's and/or bachelor's degree through progressive all-

Spanish to all-English coursework. Students can transfer in up to 64 credits from accredited, international universities (and possible additional credits from domestic institutions). Classes are offered in person at FDU's Metropolitan Campus in Teaneck, New Jersey, and online.

Latino Promise Program®

The program is designed for Latino students who are fluent in English to receive a personalized approach to higher education. Students pursue a two-year, 60-credit Associate in Arts or Associate in Science degree. Graduates can go on to earn a baccalaureate degree through FDU's Bachelor of Arts Degree Completion Program or by transferring into a major program in an FDU college or school. The program is offered at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

HACER (Hispanics Achieving College Education Recognition)

The program provides a personalized approach to offer native Spanish-speaking, high-school students the opportunity to learn English through free ESL courses while earning an associate's degree on FDU's Metropolitan Campus, in Teaneck, New Jersey. Graduates can go on to earn a baccalaureate degree through FDU's Puerta Al Futuro® program or by transferring into a major program in an FDU college or school.

The Hispanic Center's programs are led by a highly talented and motivated group of people who are passionate about ensuring Latino students have the opportunity to reach their full potential at the university level.

Administration

I. Oujo, Executive Director

R. Diaz, Associate Director of Puerta al Futuro® Program

L.H. Flores, Coordinator for Avanza and Puerta al Futuro® Programs

I. Delgado, Recruitment and Retention Specialist

R. Soto, Administrative Assistant

Faculty

Faculty members are part of Maxwell Becton College of Arts and Sciences

Programs in English for Academic and Professional Success (PEAPS)

The Programs in English for Academic and Professional Success (PEAPS) unit, under the Maxwell Becton College of Arts and Sciences, embrace the University's mission of preparing global citizens. It is dedicated to imparting the necessary knowledge and skills for international students to achieve English proficiency for academic as well as professional success. Through additional programs offered, students will also develop cross-cultural competency, a skill essential for managing and navigating the complexity of our increasingly globalized world.

The Programs in English for Academic and Professional Success (PEAPS) offer pre-University (PUP), undergraduate (UG), pre-masters (PMP) and graduate (GR) courses at the Metropolitan Campus, Teaneck, New Jersey; and undergraduate and graduate courses at the Florham Campus, Madison, New Jersey.

Educational Objectives

The educational objectives of the PEAPS align with the University mission of preparing global citizens. The successful completion of courses offered by PEAPS will enable, particularly international students, to:

- Demonstrate English as another language (EAL) proficiency for academic as well as professional success in their field of studies.
- Understand American culture and the subculture of the world of work.

Student Outcomes

Students who successfully exit the English for Professional Success (EPS) courses offered by PEAPS will exhibit the following attributes and achievements, in which some are specifically identified as FDU's Student Learning Outcomes Assessment Goals. Some selected student outcomes include:

- Write documents that present and evaluate information and opinion in a logical and analytic manner, incorporating research and documentation and using style, grammar, mechanics and format appropriate to an educated audience.
- Carry out thorough and effective information search strategies using traditional print, digital and internet sources; evaluate information accessed; and use this information along with existing knowledge to create something new.
- Prepare and deliver effective oral presentations, incorporating suitable research and using presentation software, in a style appropriate to an educated audience.
- Read and comprehend meaning, identify text structure, analyze relationships between ideas and think critically in order to be an effective reader in academic and professional environments.
- Work collaboratively with cross-culturally diverse peers on a variety of tasks to accomplish a common goal.
- Participate in online discussions on a variety of topics using appropriate vocabulary and register.
- Understand the American culture and the world of work subculture.

EPS Placement and Test

While students may have achieved the TOEFL and/or other English-proficiency scores required for admission, further development in English proficiency may be necessary to support academic achievement and to ensure effective progress in the student's chosen academic program.

All new international undergraduate and graduate students, except for those who are exempted, are tested for English proficiency before or when they arrive for international student orientation. New international students may not assume that they are exempt from this English test even though they have had many years of English education in their home countries or abroad.

Depending on test results, new international undergraduate and graduate students on both the New Jersey campuses are placed into the English for Professional Success (EPS) course.

Undergraduate students who are placed into an EPS course must take the class and corequisite lab and will be charged tuition upon registration. Graduate students who are placed into an EPS course are required to take the class and corequisite lab and will be charged a nominal fee. PEAPS also offers elective EPS courses for undergraduate and graduate students.

EPS Courses

The Programs in English for Academic and Professional Success (PEAPS) unit offers courses in English for Specific Purposes (ESP) for international students and any interested domestic students. These courses are called English for Professional Success (EPS). In these courses, students are exposed to the different genres of academic and professional discourse. The EPS courses have a dual purpose: to ensure the academic as well as professional success of FDU's students.

All new international students placed into the EPS course will register in the following. Courses are only offered at the Metropolitan Campus unless indicated otherwise.

- EPS1004 Practical English I (for intensive Pre-University Program [iPUP] students only)
- EPS1005 Practical English II (for iPUP students only)
- EPS1006 Practical English III (for iPUP students only)
- EPS1007 Practical English IV (for iPUP students only)
- EPS1008 Academic Writing Skills (for pre-University or undergraduate students only)
- EPS1109 English for Occupational Purposes (for undergraduate students only at the Metropolitan and Florham campuses)
- EPS5004 Practical English I (for intensive Pre-Master's Program [iPMP] students only)
- EPS5005 Practical English II (for iPMP students only)
- EPS5006 Practical English III (for iPMP students only)
- EPS5007 Practical English IV (for iPMP students only)
- EPS5008 Academic Writing Skills (for pre-master's students only)

- EPS5109 English for Occupational Purposes (for graduate students only at the Metropolitan and Florham campuses)

Domestic and International undergraduate students as well as International graduate students may also register in the following (only offered at the Metropolitan Campus):

- EPS1201/EPS5201 EPS: Global Exchange — New York City as a Classroom (language and culture/elective course)
- EPS1209 Advanced English for Occupational Purposes (for undergraduate students only)
- EPS1219 Advanced English for Academic Purposes (for undergraduate students only)
- EPS2202 NYC: One City, May Cultures (language and culture/elective course)
- EPS5209 Advanced English for Occupational Purposes (for graduate students only)
- EPS5219 Advanced English for Academic Purposes (for graduate students only)

All the EPS courses, except for EPS1201/EPS2202/EPS5201, EPS1209/EPS5209 and EPS1219/ EPS5219, have a corequisite lab (i.e. EPS1014 Practical English Lab I, EPS1015 Practical English Lab II, EPS1016 Practical English Lab III, EPS1017 Practical English Lab IV, EPS1018 Academic Communication Skills, EPS1119 English for Academic Purposes, EPS5014 Practical English Lab I, EPS5015 Practical English Lab II, EPS5016 Practical English Lab III, EPS5017 Practical English Lab IV, EPS5018 Academic Communication Skills and EPS5119 English for Academic Purposes). To exit the program, a student must meet the learning objectives set by the curriculum. Students who fail to meet the minimum standards required to pass the course will have to repeat.

Upon exiting the program, undergraduate students will take WRIT1002 Composition I: Rhetoric and Inquiry course at the Metropolitan or Florham campuses. Graduate students do not need to take any additional English or writing courses unless required by their own department.

Application of Credits for EPS Courses

International undergraduate students can fulfill a free elective (upon approval of individual academic departments) or partially fulfill the Language and Culture Liberal Arts requirement upon the successful completion of the EPS course:

- Silberman College of Business: 3 credits may be applied as free elective.
- Other Metropolitan Campus programs: 3 credits may be applied as language and culture or free elective.

The credits for the EPS courses are not figured into the grade point ratio for graduate students.

For Information

Mutiara Mohamad, University Director, Programs in English for Academic and Professional Success

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201-692-2833

Danielle DesFosses, Associate Director, Programs in English for Academic and Professional Success

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201-692-2320

[Back to Top](#)

International Programs and Study Abroad

About Global Education

Global Education at FDU

At Fairleigh Dickinson University, global education is at the heart of our academic and experiential programs. We integrate a curriculum that develops global competencies and prepares students for an interconnected world, offering diverse local and international experiences. FDU emphasizes intercultural understanding, global perspectives, and the ability to engage with diverse viewpoints. With international campuses, study centers, and a unique partnership with the United Nations, students benefit from unparalleled global experiences and internships. Our diverse student body, representing many countries and cultures, thrives in an environment that fosters global engagement and prepares them for success in a globalized world.

- **International**
  International campuses and study abroad centers, global exchange and internship opportunities, and special relationships with the United Nations and international organizations that offer access to experiential opportunities.

- **Intercultural**
  Diverse student body, demonstrated by a broad international student base and multicultural representation of American society in our student and faculty population, creates an environment where all can share their unique experiences with each other.

- **Interactive**
  Students interact with students and faculty from around the world in person and virtually through special programs including the Global Engagement and Opportunity program (GEO) and through our global partnerships with other institutions including Collaborative Online International Learning (COIL) experiences.

- **Interdisciplinary**
  The nationally recognized University Core program provides interdisciplinary insights into global issues, cross-cultural perspectives, and living and learning communities such as the Global Scholars, bring together students of all majors interested in enhancing the development of their global mindset.

Contact Information
Office of Global Education, Metropolitan Campus
1000 River Road
Mail Code: H-DH2-15
Suite: Dickinson Hall 2155
(201) 692-7360

Contact Information
Office of Global Education, Florham Campus

285 Madison Avenue
Mail Code: M-MS0-03
Hennessy Hall
Dr. Diana Cvitan University Director of Global Education
dcvitan@fdu.edu

Study Abroad Opportunities

Every year hundreds of students at Fairleigh Dickinson study abroad and gain the experience of a lifetime. In the past students have traveled to places like our campus in England, Wroxton College, as well as Amsterdam, Prague, Brazil, Chile, Argentina, China, Costa Rica, Dominican Republic, Italy, London, Australia, Germany, Greece, Ireland, South Korea, South Africa, Spain, and Switzerland, to name a few.

Cost is often a concern for students. The good news is that your state, federal, and for some programs, institutional financial aid are retained while studying abroad through FDU. Make sure that you have filed your FAFSA. The FDU Study Abroad Office can also help you identify external grants and scholarships to help cover your costs.

FDU Wroxton College

Fairleigh Dickinson's Study Abroad destination in the United Kingdom.

A semester at Wroxton College is carefully designed to provide an all-inclusive study abroad experience with a high-quality academic program. While abroad, students can blend highly organized cultural excursions with the ability for personal travel and exploration.

Centrally located in the rural heart of England, yet still only about an hour north of London, the 56-acre estate revolves around a remarkably beautiful and modernized 17th century manor house. The College itself is small, accepting only 50 students per semester, which allows it to continue to meet its founding vision of an intellectual community, cloistered in a safe, idyllic setting.

To enter the Wroxton program:

- Students must have a cumulative grade point ratio of 3.00 or better in 4.00 system (or equivalent), as indicated on an official college transcript.
- Applicants must be a second-semester sophomore, junior, senior or graduate.
- Dean of Students review and approval.

FDU Short-term Courses

Study Abroad with FDU Faculty

A popular way for students to study abroad is on a faculty-led trip. Every year hundreds of students travel for between one to three weeks on an academic trip led by FDU faculty members, gaining the experience of a lifetime.

These short-term, faculty-led study-abroad experiences are often linked to fall and spring semester courses, while others are stand-alone winter or summer session courses. In each case, trip itineraries are carefully arranged by the instructor in collaboration with the FDU Study Abroad Office. Costs vary from program to program depending upon the duration of the trip, the destination and prevailing exchange rates.

FDU Global Partners

Study Abroad with Select Partners

In addition to Wroxton and Vancouver, there are many other semester study-abroad opportunities. The Study Abroad Office has a full range of descriptive materials dealing with programs around the world with different curricula. Students, after they choose what program they want, must receive approval from their academic department.

Programs listed are just a small sampling of what is available. In each case, students pay the prevailing FDU tuition and fees plus the cost of transportation and room and board at the partner university. All financial aid remains the same!

External Programs

Fairleigh Dickinson University does partner with a third-party provider of study abroad programs. If you have a particular country in mind, chances are an FDU student has spent time studying abroad there. Costs vary depending upon the choice of program. As with anyone interested in studying abroad, whether it is with an FDU program or a host program, it is important to sit with an academic adviser to set aside the appropriate

courses to take while abroad, as well as contact the Study Abroad Office for guidance and support.

Contact Information

/FDUStudyAbroad
Join Us on Facebook!
Metropolitan Campus
1000 River Road
Mail Code: H-DH2-15
Suite: Dickinson Hall 2235
(201) 692-7218
Florham Campus
285 Madison Avenue
Mail Code: M-MS0-03
Hennessy Hall
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[Back to Top](#)

Honors at FDU

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"The University Honors Program cultivates the minds of inquisitive students who want to make the most out of their college experience. It offers talented students membership in a dynamic community and unique opportunities on campus and around the world."
— **Michael Avaltroni, PhD**, University President

The University Honors Program has rolling admissions from October through May.

The University Honors Program offers exceptional students an educational experience that combines advanced, multidisciplinary coursework through all four years with co-curricular activities that give students an opportunity to explore the campus, the local area, and the world.

We provide a network of support through program staff, honors faculty, and peer and community mentors. Students in the University Honors Program receive an education designed to help you reach your full potential. Recent graduates currently attend many of the nation's leading professional & graduate schools or are employed by NGOs and Fortune 500 corporations.

Academically motivated incoming students are invited to apply to the University Honors Program prior to their freshman year. They may also apply for entry after they have matriculated, having demonstrated superlative academic achievement and a consistent record of leadership and service to the community.

Admission Requirements

In addition to your FDU Application for Admission, incoming first year students applying for the University Honors Program must complete the Honors at FDU application to be considered for a virtual interview.

Applications are considered on a rolling bases from October through May, and students will be notified about next steps within a few weeks of applying. Students not initially accepted will be placed on a waitlist, which will be reviewed for potential admission in August.

Our typical honors students are highly motivated with a wide variety of academic and co-curricular interests. Many bring in AP and other credits towards their degrees. Any qualified transfer students or currently enrolled student may inquire about membership in the program by mailing fduhonors@fdu.edu.

Benefits

Honors students enjoy a number of exciting benefits during their time at FDU at no cost to the student. Some of these include:

- Regional travel to present research at annual Northeast Regional Honors Conference
- Wroxton Summer Seminar and other honors short-term study abroad opportunities (subsidized but not fully paid by honors)

- Research opportunities and mentorship from individual faculty mentor in major
- Specially-designed honors courses that meet requirements for all majors and are taught by select faculty
- Sense of community among an incredibly diverse group of honors students
- Mentorship from a personally-matched upper class honors student
- On-campus social activities like ice cream social, pizza party, scavenger hunt, dinner-and-theater or dinner-and-game nights, honors formal, movie nights, and game nights
- Off-campus activities like Broadway and other theater trips, movie nights, pumpkin picking, New Jersey Speaker Series, museum visits
- Access to unique academic, internship, and scholarship opportunities
- Opportunity for honors housing (not required)
- Specialized honors academic advising and priority registration
- Designation on degree, transcript, and in graduation program

The Honors Program is designed to take advantage of the cultural and intellectual richness of New York City, and honors students benefit from its proximity to campus.

Program Requirements

The requirements for honors include three parts that are part of a well-rounded honors education: scholarship in the classroom, experiential and applied learning, and engagement with the honors community. The requirements are meant to be completed across a student's academic career at FDU.

Scholarship (complete 8 total over 4 years): This is fulfilled through your academic coursework by taking courses that have an honors designation. See curriculum (below) for further information.

Honors Experience (complete 4 total over 4 years): This is applying honors learning outside of the classroom through service, travel or career experiences. Examples of an Honors Experience are

- Honors UNIV1001 (Transitioning to University Life)
- Study Abroad (short-term or full semester)
- Presentation at NRHC or Other Academic Conference
- Internship (short-term or full semester)

- Shadowing related to Major or Career
- Mentored Research
- Campus or Community Leadership (with pre-approval)
- Serving as an Honors Support Squad Leader
- Applying for Nationally Competitive Scholarships (Fulbright, Rhodes, etc.)

Honors Community (complete 8 total over 4 years): This is fulfilled through connecting with members of the honors community through on- and off-campus opportunities, organized by the Honors Office. Examples of Honors Community events are:

- Honors Colloquia or Speakers
- Honors On-Campus Events
- Honors Off-Campus Events
- Participation in Honors Admissions Committee
- Participation in Honors Support Squads
- Participation in Honors Social Committee
- Living in Honors Housing

Maintain minimum cumulative GPA that increases at the end of each academic year

- Sophomore Year: 3.3
- Junior Year: 3.4
- Senior Year: 3.5
- Graduate with 3.5 GPA

Curriculum

The Honors Program offers a rotating list of honors courses in a variety of fields that fulfill requirements for either General Education or specific majors.

In the freshman year, students enroll in Honors sections of Composition I (WRIT1002) and Composition II (WRIT1003), as well as Transitioning to University Life (UNIV1001). In the junior year, students take one semester to prepare a proposal for the senior thesis or capstone project. In the senior year, students enroll in senior honors research (fall) and senior thesis (spring).

Other Honors courses are made available to our students each semester on a rotating basis.

All Honors Program Students participate in Honors Advising each semester to discuss which honors class option best fits their needs.

If none of the other honors offerings fit a student's schedule and degree requirements, the student can designate another course as an honors course through a Course Honors Contract. These honors courses include additional special projects that enhance learning and knowledge in the student's major area of study. The Course Honors Contract is available here.

After Graduation

Many University Honors Program graduates have been accepted to professional or graduate schools. Recent graduates are studying in medical and dental schools, pursuing M.F.A degrees in creative writing, or PhD degrees in biology, chemistry, history, and literature and other fields. They have been accepted into graduate programs at the University of Pennsylvania, Rutgers, New York University, The New School, Drew University, Seton Hall University, and the College of Medicine and Dentistry of NJ among others. Many who chose to go into education have joined public schools and Teach for America. Others work for large multinational corporations as well as nonprofits and NGOs. They work as lawyers, accountants, and counselors, or hold positions in government, publishing, and in hotel and restaurant management.

Contact Information
Contact Us
honors@fdu.edu
285 Madison Ave, M-MO1-02
Madison, New Jersey 07940
Florham Campus
1000 River Road, T-RH2-07
Teaneck, NJ 07666
Metro Campus

Contact Information
Social Media
@fduhonors
Follow Honors on Instagram

Lifelong Learning at FDU

Under the Lifelong Learning at FDU banner, Fairleigh Dickinson University offers programs designed to serve students through each step of their educational journey.

There are programs designed for High School students seeking to jumpstart their college careers, either through our Early College Dual Enrollment or Early College Summer programs. There are options for Community College students who are looking for a clear pathway to their undergraduate studies and beyond. There are degree completion programs for adult learners who wish to grow both professionally and personally while also exploring high demand subject areas. There are continuing education and certificate program opportunities for those looking to expand their professional horizons, many of which can be tailored to the needs of corporate and organizational partners.

The pursuit of learning is lifelong. No matter where you are in your educational journey, it is never too late to pursue your goals and start living the life you are dreaming about! In fact, focusing on the future is a commonality we share with our students. More than 15,000 students have chosen us to help their dreams take flight. I invite you to join them.

Welcome to Lifelong Learning at FDU!

Jennifer K. Sipila
Associate Provost for Academic Affairs and Executive Director of Lifelong Learning at FDU

"Develop a passion for learning. If you do, you will never cease to grow."
— Anthony J. D'Angelo

Contact Information

Jennifer Hagenow, Administrative Assistant
jhagenow@fdu.edu
201-692-7310

Academic Regulations

If you are unable to locate the information you need here, you may wish to visit the following pages:

- Enrollment Services in NJ
- Enrollment Services in Vancouver
- The Dean of Students Office for Florham
- The Dean of Students Office for Metro
- Grants and Sponsored Research

Students may also wish to review the academic policies that are linked to their Course Syllabi. They can be found on the following pages:

- Relevant Academic Policies: NJ
- Relevant Academic Policies: Vancouver
- Relevant Academic Policies: Online Courses

Academic Policies

- Academic Integrity
- Academic Performance Warning, Suspension, Dismissal
- Academic Standards
- Acceleration
- Attendance
- Credit for Prior Learning and Prior Learning Assessment (PLA)
- Credit Hour Definition

- Credits Taken at Other Institutions
- Grade Appeal Procedure
- Honors and Deans Lists
- Honor Societies
- Incompletes
- Major Religious Holy Days
- Remediation
- Residence Requirement
- ROTC
- Secondary Areas of Concentration/Minors
- Semester Credits and Normal Load
- Summer Sessions
- University Core Curriculum

Academic Integrity Policy

Students enrolled at Fairleigh Dickinson University are expected to maintain the highest standards of academic honesty. Students have the responsibility to each other to make known the existence of academic dishonesty to their course instructor and then, if necessary, the department chair, school director or the academic dean of their college. Course instructors have the added responsibility to state in advance in their syllabi any special policies and procedures concerning examinations and other academic exercises specific to their courses. Students should request this information if not distributed by the instructor.

Academic dishonesty includes, but is not necessarily limited to, the following:

1. Cheating — Giving or receiving unauthorized assistance in any academic exercise or examination. Using or attempting to use any unauthorized materials, information or study aids in an examination or academic exercise.
2. Plagiarism — Representing the ideas or language of others as one's own. A more complete description is listed below in the section titled "Plagiarism Described."
3. Falsification — Falsifying or inventing any information, data or citation in an academic exercise.

4. Multiple Submission — Submitting substantial portions of any academic exercise more than once for credit without the prior authorization and approval of the current instructor.

5. Complicity — Facilitating any of the above actions or performing work that another student then presents as his or her assignments.

6. Interference — Interfering with the ability of a fellow student to perform his or her assignments.

Plagiarism Described

(Adapted from the Kirkwood Community College plagiarism policy distributed at "Critical Challenges in Distance Education: Cheating and Plagiarism Using the Internet" workshop — April 3, 2003).

As defined by the Council of Writing Program Administrators, plagiarism "occurs when a writer deliberately uses someone else's language, ideas or other original (not common-knowledge) material without acknowledging its source." ("Defining and Avoiding Plagiarism: The WPA Statement on Best Practices." https://www.wpacouncil.org/positions/WPAplagiarism.pdf)

Plagiarism can occur in the following ways: (From the Newark Academy Plagiarism Statement.)

- Using text from another source (e.g. websites, books, journals, newspapers, etc.) without documenting the source;

- Using direct quotation from a text without quotation marks, even if the source has been cited correctly;

- Paraphrasing or summarizing the ideas or text of another work without documenting the source;

- Substituting a word or phrase for the original while maintaining the original sentence structure or intent of the passage;

- Using graphics, visual imagery, video or audio without permission of the author or acknowledgment of the source;

- Translating text from one language to another without citing the original work;

- Obtaining packaged information, foreign language translation or a completed paper from an online source and submitting it as one's own work without acknowledgment of the source; and

- Presenting the work of another student as one's own.

Fairleigh Dickinson students are responsible for authenticating any assignment submitted to an instructor should the instructor request it. Students must be able to produce proof that the assignment they submit is actually their own work. Therefore, students must engage in a verifiable work process on all assignments:

- Keeping copies of all drafts of work;
- Making photocopies of research materials (including downloads from websites);
- Writing summaries of research materials;
- Keeping Writing Center receipts;
- Keeping logs or journals of their work on assignments and papers; and
- Saving drafts or versions of assignments under individual file names on a computer, external drive or other source.

In addition to requiring students to authenticate their work, Fairleigh Dickinson University instructors may employ various other means of ascertaining authenticity — such as using search engines to detect plagiarism, using external plagiarism-detection services, creating quizzes based on student work and requiring students to explain their work and/or process orally. The inability to authenticate work is sufficient grounds for a charge of plagiarism.

If subsequent evidence of plagiarism should be found after a grade has already been assigned, instructors have the right to lower the grade and/or apply one of the sanctions listed below.

Sanctions

Any student violating academic integrity will, for the first offense, receive one or a combination of the following penalties imposed by the faculty member:

- No Credit (0) or Failure for the academic exercise.
- Reduced grade for the course.
- Failure in the course.
- Recommendation for Academic Probation to the dean of the college or director of the school in which the student is registered.

The instructor shall file a notice of the penalty in the student's file maintained in the campus Office of Enrollment Services.

In cases of interference and complicity, whether or not the student is registered in the affected course, the incident and penalty shall be recorded in the student's file maintained in the campus Office of Enrollment Services.

For a subsequent violation of academic integrity, a student will be subject to any combination of the above sanctions, and, after due review by the academic dean according to the procedure below, one of the following:

- *Suspension* from the University for one year. Readmission will be contingent upon the approval of the academic dean.
- *Dismissal* from the University.
- *Dismissal from University identified on the student's academic transcript* as a result of a violation of the Academic Integrity Policy.

Procedure

The faculty member should submit an electronic violation report to facilitate the reporting of violations of the Academic Integrity Policy, which faculty should complete if they find a student in violation of the policy and choose to impose a sanction. When a faculty member believes that a student has violated the Academic Integrity Policy, the faculty member shall discuss the incident with the student as soon as possible. If after the conference, the faculty member determines that an act of academic dishonesty has occurred, the faculty member may impose the appropriate sanctions. Within five days of the faculty member's action, the faculty member shall notify his or her department chair/school director in writing of the circumstances of the violation and the imposed sanctions.

Within five days the academic department/school shall notify the student via FDU email of the sanctions and the appeals' procedures. Copies of the email shall be sent to the chair of the department or director of the school of the student's major, the dean of the college in which the course is offered and the campus Office of Enrollment Services. The student may appeal the instructor's decision as outlined below. Upon completion of the appeals process, the dean shall notify the student via FDU email of the final disposition of the matter and the sanctions to be imposed, if any, via certified mail with copies to the faculty member, the department chair/school director and the campus director of enrollment services.

Appeals Process

A student who is charged with violating the Academic Integrity Policy by an instructor may appeal in writing via FDU email to the chair of the department or the director of the school or the dean of the college in which the alleged incident took place. The email must state the specific grounds for the appeal. The student must submit a written appeal via FDU email to the department chair or school director within 14 days of the receipt of the notification of the imposed sanctions. Failure to make an appeal within this 14-day period shall constitute a waiver of the appeal right. Within 10 working days of receipt of the student's appeal, the chair/director will review the circumstances of the alleged violation with the student and the instructor and recommend upholding, modifying or dismissing the sanctions imposed by the instructor. The chair/director, within five working days, shall notify the student in writing via FDU email of the outcome, with copies to the instructor, the chair/director of the student's major, the academic dean of the college or academic director of the school in which the course is taught and the campus director of enrollment services. If it is determined that a violation of academic integrity did not occur, the student's final grade in the course cannot be based on the assumption of such violation. If the differences between the instructor and the student are not resolved by this review, the student may appeal the outcome to the dean of the college in which the course is offered.

Within 10 working days of the department chair/school director/college dean's notification, the student may submit a written appeal via FDU email to the dean of the college in which the alleged dishonesty took place. The letter must state the specific grounds for the appeal. Upon receipt of the student's appeal, the dean shall provide the faculty member and his or her chair/director with a copy of the student's appeal. Within 10 working days the dean shall convene a five-person hearing committee consisting of a faculty member at large from the college in which the course is offered, the dean or school director or his or her designee, the vice president for student affairs or his or her designee, a faculty member from the department or school of the student's major and a student, selected by the vice president for student affairs, from the college in which the alleged dishonesty took place. The hearing will be chaired by the college dean or school director his or her designee. The role of the appeals committee is to review the record of the matter and determine whether a finding of academic dishonesty is founded and whether a sanction is consistent with the terms of this policy. The committee shall base its decision upon a review of the record but may meet with the student and the faculty member to secure additional information to help it in making a determination about the merits of the appeal. The committee can uphold, modify or dismiss the sanction imposed by the instructor. The college dean/school director shall notify the student of the committee's decision within five working days of the hearing. For a second offense of academic dishonesty, the academic dean can suspend or dismiss the student as indicated above.

For a sanction of suspension or dismissal imposed by the academic dean, the student may file a written appeal via FDU email to the University provost/senior vice president for academic affairs within 10 working days of receiving the notification of the dean's decision. The University provost, or his or her designee, shall review the case within 10 working days of the receipt of the appeal. The University provost shall make the final decision, using any appropriate resource to assist in deciding the appeal. The University provost shall then notify all parties in writing via FDU email of his or her final decision within five working days of his or her decision.

Updated November 7, 2024

Academic Performance Warning, Suspension, Dismissal

Section includes policy on Academic Performance Warning, Continued Academic Performance Warning, Academic Suspension, and Academic Dismissal.

Note: The GPAs noted in this policy are for undergraduate students in all programs, *with the exception of Nursing*; please see theSNAH Student Manual for information Nursing GPA requirements. Please see the Graduate Student Bulletinor specific graduate academic program webpages for GPA requirements related to graduate student probation.

Academic standing is determined by the Grade Point Average (GPA) achieved over a semester expressed as "Semester GPA" (SGPA) or earned over all the semesters they have been enrolled in at FDU, expressed as "Cumulative GPA" (CGPA).

- The SGPA and CGPA are both calculated by dividing a student's total grade points by the total attempted credits in the relevant periods defined above.
- Transfer credits and courses graded as Pass/No Credit, Audit, or Labs that do not receive a grade are not factored into the GPA.
- Any "F" grade will be calculated into the GPA, except for grades excluded by the following policies as stated in the Undergraduate Bulletin: "Repeated Courses" policy, "Change in Majors" policy.
- SGPA is calculated by dividing Total Grade Points for Semester by Total Attempted Credits for Semester.
- CGPA is calculated by dividing Total Grade Points by Total Attempted Credits.
- A student can view their SGPA and CGPA in their unofficial transcript in Self-Service.

Good Academic Standing

Good Academic Standing signifies that a student is making adequate progress towards achieving successful graduation.

The CGPA necessary to maintain "Good Academic Standing" is aligned with the GPA required to meet Satisfactory Academic Progress (SAP).

Maintaining Good Academic Standing depends on the number of credits completed and the CGPA as follows:

- For students with 1-30 credit hours completed, a CGPA of at least 1.80 indicates satisfactory academic progress.
- For students with 31 or more credit hours completed, a CGPA of 2.00 indicates satisfactory academic progress. A cumulative GPA of at least 2.00 is required for graduation.
- For students in some academic programs (e.g., Nursing), the GPA needed for good standing and graduation is higher. Students should consult their relevant academic program website and/or their academic advisor with any questions.

Academic Performance Warning

A student will receive an initial Academic Performance Warning if the SGPA or CGPA is below 1.80 (for students with 1-30 credits completed) or below 2.00 (for students with 31 or more credits completed).

Academic performance warnings are typically issued after final primary semester grades have been submitted, but academic performance warnings may also be issued due to a change in grade.

- The student will receive an email from their college/school notifying them of the Academic Performance Warning. The student's academic advisor will also be alerted.
- The student will be required to meet with their academic advisor within ten (10) calendar days of the date of the email notifying them that they have received an Academic Performance Warning.
- The meeting with the academic advisor will focus on:

- **Support and Resources:** The advisor and student will discuss issues that have posed a challenge to the student's success. The advisor will identify and review the relevant support resources.
- **Student Success Plan:** The advisor and student will develop a written Student Success Plan identifying specific resources and steps for the student to take to help improve academic performance.
- **Courseload Adjustment:** The advisor and student will discuss whether decreasing the student's courseload for the next semester might help improve their academic performance. A full-time student's courseload may be limited to 12-14 credits per semester; a part-time student's courseload may be reduced by one course. The academic advisor will use the Center for Academic Advising and Student Success (CAASS) "Guidelines for Advising Students on Academic Performance Warning" to determine whether or not to recommend a decrease in the student's courseload. If a decrease is recommended, the advisor will email the student's department chair/program director or their designee with the recommendation. The chair/director/designee will respond with the final determination within three (3) days of receipt of the advisor's email.

- If a student's credits are limited as a result of the courseload adjustment decision, the student may appeal; see "Appeal Process for Credit Limit."
- If a student's credits are limited as a result of the courseload adjustment decision, the advisor will notify the student immediately and work with the student to adjust their schedule for the next semester.

Continued Academic Performance Warning

A student will be placed on Continued Academic Performance Warning if the SGPA or CGPA is below 1.80 (for students with 1-30 credits completed) or below 2.00 (for students with 31 or more credits completed) for up to two consecutive primary semesters immediately following the initial Academic Performance Warning.

A student cannot be on Continued Academic Performance Warning for more than two consecutive primary semesters, with one exception: A student *who has completed less than 90 credits* who has been on Continued Academic Performance Warning for two consecutive primary semesters and whose CGPA remains under 2.00 but *whose SGPA*

is above 2.00 will be allowed to extend the Continued Academic Performance Warning for an additional primary semester (i.e., for three consecutive primary semesters).

- The student will receive an email from their college/school notifying them that they have been put on Continued Academic Performance Warning.
- The student's academic advisor will also be alerted.
- The student will be required to meet with Financial Aid within ten (10) calendar days of the date of the email notifying them that they have been put on Continued Academic Performance Warning.
- The student will be required to meet with their academic advisor within ten (10) calendar days of the date of the email notifying them that they have been put on continued academic performance warning.
- The meeting with the academic advisor will focus on:
    - **Support and Resources:** The advisor and student will discuss issues that have continued to pose a challenge to the student's success. The advisor will identify and review the relevant support resources.
    - **Student Success Plan:** The advisor and student will review and revise the previous Student Success Plan with a focus on identifying specific resources and steps for the student to take to help improve academic performance.
    - **Courseload Adjustment:** A full-time student's courseload ***will be limited*** to 12-14 credits per semester. A part-time student's courseload may be reduced, based on advisor recommendation. The academic advisor will work with the student to adjust their schedule for the next semester. The student may appeal if they want to register for more credits; see "Appeal Process for Credit Limit."

Removal from Academic Performance Warning or Continued Academic Performance Warning

A student will be removed from Academic Performance Warning or Continued Academic Performance Warning if both the SGPA and CGPA are 1.80 or higher (for students with 1-30 credits) or 2.00 or higher (for students with 31 or more credits).

If a change in a student's grade (as a result of a grade appeal or the change of an "Incomplete" to grade) *raises* a student's GPA out of the range for Academic Performance Warning or Continued Academic Performance Warning, the student,

college/school, and academic advisor will be notified and the Academic Performance Warning will be removed.

Academic Suspension

The purpose of a suspension is to help students pause, reflect, and refocus and decide if they want to return to FDU to finish their degree. Courses taken at another institution while on academic suspension cannot be transferred into FDU. If a student wishes to continue at FDU to finish their degree, they may apply for readmission under special conditions as described in "Readmission."

A student will be placed on Academic Suspension if the student has not met the criteria for removal from Continued Academic Performance Warning in the timeframe specified in "Continued Academic Performance Warning."

A student may appeal academic suspension. See "Appeals Process for Academic Suspension."

Academic Dismissal

A student will face Academic Dismissal if the student is readmitted to the university after Academic Suspension and is unable to maintain good academic standing, to the point where the student is facing a second Academic Suspension.

A student who is dismissed may not apply for readmission.

A student may appeal academic dismissal. See "Appeals Process for Academic Dismissal."

Appeal Processes

Appeal Process for Credit Limit

If a student's credits are limited as a result of being placed on Academic Performance Warning or Continued Academic Performance Warning, the student may appeal. The appeal process is as follows:

1. The student will email their academic advisor within ten (10) calendar days of the date of the notification of the decision regarding courseload reduction (in the case of initial Academic Performance Warning) or the date of the

notification of Continued Academic Performance Warning. The student's email must state the reason(s) for the appeal.

2. The student will meet with their academic advisor to discuss the appeal within five (5) calendar days of the date of the student's emailed appeal.

3. The academic advisor will recommend to the academic department (see step below) whether or not to approve the appeal (i.e., lift the credit limit). The academic advisor's decision will be based on an assessment of the student's ability to successfully complete a regular courseload.

4. The academic advisor will email the student's department chair / program director (or their designee) with the recommendation within five (5) calendar days of the meeting with the student.

5. The department chair / program director (or their designee) will meet with the student if necessary, and then make the final decision.

6. The department chair / program director (or their designee) will email the student's academic advisor and Enrollment Services with notification of the final decision within five (5) calendar days of the date of the advisor's recommendation.

Appeal Process for Academic Suspension

The appeal process is as follows:

1. The student will meet with Financial Aid within ten (10) calendar days of the date of the notification of Academic Suspension to discuss their financial aid status. The student should meet with Financial Aid before meeting with their academic advisor.

2. The student will email their academic advisor within ten (10) calendar days of the date of the notification of Academic Suspension to explain the reason(s) for the appeal.

3. The student will meet with their academic advisor to discuss the appeal within five (5) calendar days of the date of the student's emailed appeal.

4. The academic advisor will recommend to the academic department (see step below) whether or not to approve the appeal. The academic advisor's decision will be based on an assessment of the student's ability to get back on track as well as on the student's financial aid status.

5. The academic advisor will email the student's dean/director (or their designee) with the recommendation within five (5) calendar days of the meeting with the student.

6. The dean/director (or their designee) will meet with the student if necessary, and then make the final decision.

7. The dean/director (or their designee) will email the student's academic advisor and Enrollment Services with notification of the final decision within five (5) calendar days of the date of the advisor's recommendation.

If an appeal for Academic Suspension is approved, the student will be allowed to continue for two more primary semesters on Continued Academic Performance Warning. If the student does not meet criteria for removal from Continued Academic Performance Warning by the end of that period, the student will be placed on Academic Suspension without rights to appeal.

Appeals Process for Academic Dismissal

The appeal process is as follows:

1. The student will meet with Financial Aid within ten (10) calendar days of the date of the notification of Academic Dismissal to discuss their financial aid status. The student should meet with Financial Aid before meeting with their academic advisor.

2. The student will email their academic advisor within ten (10) calendar days of the date of the notification of Academic Dismissal to explain the reason(s) for the appeal.

3. The student will meet with their academic advisor to discuss the appeal within five (5) calendar days of the date of the student's emailed appeal.

4. The academic advisor will recommend to the academic department (see step below) whether or not to approve the appeal. The academic advisor's decision will be based on an assessment of the student's ability to get back on track as well as on the student's financial aid status.

5. The academic advisor will email the student's dean/director (or their designee) with the recommendation within five (5) calendar days of the meeting with the student.

6. The dean/director (or their designee) will convene a committee of faculty from the college/school to consider the student's appeal. The dean/director (or their designee) will be part of the committee. The committee will meet with the student if necessary. The committee will make the final decision.

7. The dean/director (or their designee) will email the student's academic advisor and Enrollment Services with notification of the final decision within fourteen (14) calendar days of the date of the advisor's recommendation.

If an appeal for Academic Dismissal is approved, the student will be allowed to continue for two more primary semesters on Continued Academic Performance Warning. If the student does not meet criteria for removal from Continued Academic Performance Warning by the end of that period, the student will be Academically Dismissed without rights to appeal.

Academic Standards

The University expects its students to make normal progress toward a degree. For most students, this means the attainment of at least a 2.00 grade point ratio for each semester. Students whose grade point ratio falls below 2.00 should immediately check with their advisers regarding their status. Maxwell Becton College of Arts and Sciences requires a 2.00 cumulative grade point ratio (CGPR) in major courses and an overall CGPR of 2.00 for graduation. Students at the Florham Campus who joined the University before fall 2021 must still adhere to the 2.33 major GPR requirement. The Henry P. Becton School of Nursing and Allied Health requires that students earn a grade point ratio of 3.00 for progression in the nursing courses.

Acceleration

The normal time periods required for completion of the associate and baccalaureate degrees are two and four years, respectively. However, students may accelerate their programs and complete degree requirements in a shorter period by taking additional coursework, as available, during the summer and winter sessions and by taking more than the normal semester course load, subject to approval of an appropriate adviser. Additionally, students may receive credits by examination.

Attendance

Students are required to attend class, arrive on time and participate in all courses for which they are enrolled. Class attendance and participation are essential to academic progress. At the beginning of each semester, instructors will express the specific attendance requirements for each course according to the policies of their academic departments and colleges. The policy will clearly delineate the number of permissible absences and the sanctions to be applied for excessive absences or tardiness. Each instructor will include the attendance policy on each syllabus to prevent any misunderstanding of the requirements for the course.

Credit for Prior Learning and Prior Learning Assessment (PLA)

In addition to previous college credit accepted in transfer, the University provides three options that allow qualified students to receive academic credit for prior learning:

- Credit by examination,
- Credit for professional study and certification, and
- Credit for prior learning through portfolio assessment.

Credit by examination

Proficiency examination credit may be awarded for:

Advanced Placement Examinations (AP), the College Level Examination Program (CLEP); the International Baccalaureate Program (IB); the New York University School of Professional Studies; Defense Activity for Non-traditional Education Support (*DANTES), and DANTES Subject Standardized Tests (DSST).*

For proficiency examinations completed prior to enrollment at Fairleigh Dickinson University, examination scores should be sent to the Admissions office for consideration alongside other transfer credits. Matriculated students must obtain authorization forms from the Office of Enrollment Services and secure the necessary approvals prior to registering for proficiency examinations.

Proficiency examinations may be used as substitutes for selected FDU courses, and credit toward degree requirements may be awarded by completion of approved examinations. These approved examinations, along with minimum acceptable scores and course equivalencies, appear on a list maintained by the Academic Affairs unit of the University.

Students considering this option should consult with their Academic Advisor to determine the suitability of a particular proficiency examination for their major. Acceptance of proficiency test scores are subject to the following conditions:

1. Up to 33 credits may be awarded toward some baccalaureate degrees;
2. All proficiency examinations must be taken before completion of the student's first 64 credits and applied toward those 64 credits only. Exceptions can be made for students enrolled in the University's degree completion programs or for students transferring in with 32 credits or more;
3. If the proficiency examination duplicates previous course work, credits will not be awarded;

4. Credits earned through the proficiency examinations are not included in the cumulative grade point ratio;

5. Transfer students may apply proficiency credits earned at institutions other than FDU to an FDU degree program. Official documentation is requested at the time of admission;

6. Failed courses taken at FDU cannot be replaced through proficiency examinations.

Credit for professional study and certification

Students who have completed formal training or professional development programs conducted by business, the military, law enforcement and public safety, government agencies or other organizations may be eligible to receive college credit if those organizations participate in the American Council on Education's (ACE) Credit Program or the National College Credit Recommendation Service (National CCRS). Students interested in receiving ACE or National CCRS credit should submit transcripts to the Office of Admissions (new students) or check with their academic adviser to determine if such credit is applicable to their degree program (continuing students).

Students may also be eligible to earn course credit through self-guided/self-directed educational providers such as Straighterline and Sophia if an ACE transcript is provided. Students are advised to check with their academic advisor before enrolling in any self-guided courses as several of the University's accredited programs have restrictions regarding the acceptance of such credits.

Students may request a copy of their ACE transcript by calling the American Council on Education Transcript Service at (202) 939-9300 or visiting: https://www.acenet.edu/Programs-Services/Pages/Credit-Transcripts/Request-Transcripts.aspx. Students may contact National CCRS at (518) 486-2070 or via email at nccrs@nysed.gov.

Except for the Silberman College of Business, 6 undergraduate credits may be granted for Peace Corps volunteers (overseas service) and for VISTA (Volunteers in Service to America). Additional credit may be granted at the discretion of the University.

Credit for prior learning through portfolio assessment

Credit for Prior Learning through portfolio assessment (Prior Learning Assessment or PLA) requires the submission of a portfolio demonstrating that college-level learning outcomes have been met. Portfolio review can occur at the time of admission or once a

student has matriculated. Credits earned through Prior Learning Assessment will be posted after the student has completed 6 credits of FDU coursework. The Portfolio Review fee and Credit for Prior Learning posting fee can be found on the University's Tuition and Fees page.

Associate degree students may earn up to fifteen prior learning credits, bachelor degree students up to twenty-four, and graduate degree students up to three. PLA credits must be awarded before the beginning of the student's final semester in order to be added to the program of study.

Transferability of prior learning credit is not guaranteed.

The Guide for Portfolio Submissions and other questions regarding Credit for Prior Learning may be directed to Lifelong Learning at 201-692-7310

Credit Hour Definition

The University's calculation of credit hours for all credit-bearing courses and degree programs follow rules established by the New Jersey Secretary of Higher Education, which are consistent with the U.S. Department of Education's definition of a credit hour.

Section 9A:1–1.2 of the New Jersey Administrative Code provides that *"Semester credit hour" means 50 minutes of face-to-face class activity each week for 15 weeks (or the equivalent attained by scheduling more minutes of face-to-face class activity per week for fewer weeks in the semester) in one semester complemented by at least 100 minutes each week of laboratory or outside assignments (or the equivalent thereof for semesters of different length).*

Credits Taken at Other Academic Institutions

Matriculated students may earn up to 15 credits at other institutions as long as these courses are taken during the summer or winter sessions and are equivalent in content and level to the courses they replace and/or are appropriate to the student's curriculum. Students enrolled for coursework at Fairleigh Dickinson University during summer or winter session may not enroll simultaneously for coursework at another institution. The maximum additional credits that may be earned at other institutions is limited by the number of transfer credits already accepted by FDU (Table 1). This limit shall not apply to programs of study formally approved by FDU in association with other institutions of higher learning. Students cannot repeat an FDU course at another institution.

Table 1

Credits Initially Transferred into FDU	Maximum Possible Additional Credits After FDU Matriculation
0–14	15
15–29	12
30–44	9
45–59	6
60–74	3
75+	0

Authorization to take courses offered by another institution must be requested by completing the appropriate form prior to the summer or winter session in which the course will be taken. The student must have a minimum cumulative grade point ratio (CGPR) of 2.00 to be eligible. This authorization may be granted for elective courses and courses not available at the University in time to meet graduation requirements, but normally not for core or required major courses.

For a course at an institution with which the University does not maintain an articulation agreement, the authorization *for all students* requires two signatures — one by the chair or program coordinator of the student's major department and a second one by the college dean or school director.

A course substituting for a lower-level course at Fairleigh Dickinson University may be taken at either an accredited two-year or four-year institution, but a course substituting for an upper-level course at Fairleigh Dickinson University must be taken at an accredited four-year institution.

A minimum grade of C must be earned in any course taken in the above manner in order to be counted toward graduation at Fairleigh Dickinson University. Students matriculated at Fairleigh Dickinson University and granted permission to take course(s)

at another academic institution will have courses transferred in without the grades calculated into the grade point ratio (GPR).

Students may obtain additional information regarding the approval process from their college dean or school director. Exceptions to these policies must be approved by the college dean or school director.

Grade Appeal Procedure

While it is recognized that faculty hold the right and responsibility to grant a grade, a student who receives a grade that he or she believes to be unwarranted may appeal that grade by engaging in the following process:

1. Within the first three weeks of the start of the following full semester (fall or spring) in which the grade is received, the student shall have informally appealed the grade to the instructor. In the case of a student who is being kept from either graduating or registering because of the grade in question, the process should begin immediately upon receipt of the grade report. If either the instructor or department chair or school director is unavailable, the student may proceed directly to the dean. If no resolution of the matter results to the student's satisfaction, the student may initiate the following formal appeal process.

2. The student shall request in writing a meeting with the respective department chairperson or school director concerning the grade in question. For University Core appeals, the director of University Core on each campus will replace a department chair or school director at this level of appeal.

3. The chair or school director shall report to the student on the resolution of the appeal within two weeks of that meeting.

4. If the issue is not resolved to the student's satisfaction, the student has one week to appeal in writing to the dean of the College in which the course is taught. For University Core appeals, the University provost's designee will replace the dean at this level of appeal.

5. The dean/director shall review the entire matter with the student, the faculty member and/or the chairperson or school director involved.

6. If the dean/director feels there is no basis for a grade change, that determination is final and should be conveyed to the student in writing within two weeks of receipt of the student's appeal.

7. If the dean/director believes that an erroneous grade exists, the dean shall attempt to resolve the issue with the instructor. If, however, resolution is not

achieved, the dean shall refer the case to the College Ad Hoc Grade Appeal Committee.

8. The committee is expected to convene within two weeks after receipt of the dean's referral.

9. Each College Ad Hoc Grade Appeal Committee shall consist of three faculty and one alternate selected by the college dean and school director and a professional staff person selected by the vice president for student affairs. Whenever possible, two of the faculty shall belong to the department or discipline of the instructor whose grading is in question.

10. The committee shall have the authority to recommend an appropriate course of action to the dean who shall have the authority to implement the recommendation. The recommendation shall be conveyed to all parties involved, in writing.

Honors and Dean's Lists

The Honors List and Dean's List are issued each semester and contain the names of students who have achieved a grade point ratio of 3.50 and 3.20 respectively. To be eligible, full-time students must complete a minimum of 12 credits during a semester. Weighted letter grades must be earned for all courses except for one that may be taken on a P/NC basis and may be included provided that a P grade is earned. Exceptions to the 12-credit minimum are as follows: 1) full-time students who are in special programs of study such as the clinical internship for allied health majors; 2) students beyond 95 credits who can complete degree requirements with a reduced load. In these special instances, all courses must be taken on a weighted letter grade basis. Part-time students may qualify for the Honors List or Dean's List if they carry 6 or more credits each semester and achieve a grade point ratio of 3.50 and 3.20, respectively, for a minimum of 12 consecutive credits. Weighted letter grades must be earned for all courses except for one that may be taken on a P/NC basis and may be included provided that a P grade is earned.

Graduation Honors

A student whose cumulative grade point ratio (CGPR) for four years is 3.85 will receive his or her degree *summa cum laude*; if the CGPR is 3.67, *magna cum laude*; if the CGPR is 3.33, *cum laude*. Only weighted grades will be included in computing honors. Credits taken at Fairleigh Dickinson University and approved credits taken at other academic institutions after a student matriculates, with a minimum of 54 credits, will be used in this evaluation. Associate degree honors are awarded to students who achieve a 3.67 CGPR in two-year programs at Fairleigh Dickinson University.

Honor Societies

Students admitted to Fairleigh Dickinson University with advanced standing may be eligible for admission to the University's Honor Societies, namely Phi Zeta Kappa and Phi Omega Epsilon, when they qualify according to the standards set by the societies. The credits taken at Fairleigh Dickinson University may include credits taken off campus with prior University approval as outlined under "Credits Taken at Other Academic Institutions."

Honor societies include:

Alpha Eta Society (Florham Campus only): Allied Health Professions National Honor Society. Eligibility for membership:

- *Associate* — those undergraduate allied health students working toward an associate degree who have complied with the following conditions:

1. They shall be enrolled in an allied health curriculum leading to an associate degree and shall be in their last semester of enrollment.
2. They shall have maintained an overall scholarship average of 3.50 or better (out of 4.00) while enrolled in the allied health program.
3. Not more than 10 percent of the graduating class of a specified program shall be invited to membership or, in those programs with fewer than 10 students, no more than one student will be invited to membership.
4. They shall have shown capacity for leadership and achievement in their chosen allied health field.
5. They shall have been recommended by members and approved by the deans of the allied health unit or their equivalents.

- *Baccalaureate* — Those undergraduate students working toward a baccalaureate degree who have complied with the following conditions:

1. They shall be enrolled in an allied health program leading to a baccalaureate degree and will be enrolled in their last semester.
2. They shall have maintained an overall scholarship average of 3.50 or better (out of 4.00) while enrolled in the allied health program.
3. Not more than 10 percent of the graduating class of a specified program shall be invited to membership or, in those programs with fewer than 10 students, no more than one student will be invited to membership.

4. They shall have shown capacity for leadership and achievement in their chosen allied health field.
5. They shall have been recommended by members and approved by the deans of the allied health unit or their equivalents.

Alpha Epsilon Rho (Florham Campus only): National broadcasting society. The National Broadcasting Society — Alpha Epsilon Rho, is a student and professional society of more than 85 chapters on college, university, community college and high school campuses. Through the years, the society has had as its purpose the goal of encouraging and rewarding scholarship and accomplishment among students of film and broadcasting, to establish meaningful communication between student and professionals and to foster integrity in the use of the powerful instruments of radio, television, film, cable and its many associated businesses and industries.

Alpha Kappa Delta: National honor society for sociology students. The society was founded in 1920 for the purposes of stimulating scholarship and promoting the scientific study of society. The organization was established to provide a forum for student and faculty interchange and paved the way for what has become an international organization dedicated to promoting, facilitating and recognizing academic scholarship. To date, more than 80,000 scholars have been initiated into the society, including those in the United States, Canada, China, Finland, the Philippines, Taiwan and Singapore.

Beta Beta Beta, Chapter of Omega Iota: National biological honor society. The society seeks to encourage scholarly achievement for undergraduate students who achieve superior academic records and who have an interest in the life sciences. The society emphasizes the stimulation of scholarship, dissemination of scientific knowledge and promotion of biological research. To be eligible for regular membership, students must major in biological science, complete at least one term of the second year of a four-year curriculum, complete at least three courses in biological science and have a grade point ratio of 3.20 or higher in those biology courses. In addition, the student must be in good academic standing with the University.

Beta Gamma Sigma (BGS): The only business honor society recognized by AACSB International – The Association to Advance Collegiate Schools of Business. BGS was founded as a national organization in 1913. The mission of BGS is to encourage and honor academic achievement and personal excellence in the study and practice of business. Membership in BGS is the highest recognition a student can receive in an undergraduate or master's business program accredited by AACSB International. To be eligible for membership, a student must rank in the upper 10 percent of the junior class, upper 10 percent of the senior class or upper 20 percent of the graduating master's class.

Epsilon Rho, Chapter of Sigma Theta Tau: International honor society in nursing. Baccalaureate nursing students 1) who have completed one-half of the required curriculum, 2) who have demonstrated ability in nursing, 3) who have at least a 3.00 CGPR and 4) whose numbers do not exceed one-third of the total number expected to graduate in that class are eligible for membership.

Eta Kappa Nu (Metropolitan Campus only): The only electrical engineering honor society. The society speaks for electrical engineering scholars throughout the world. There are 152 college chapters in major institutions, including several in Europe and in South America. The top quarter of the junior class and top third of the senior class are invited each year to become members of the Theta Gamma Chapter at Fairleigh Dickinson University. To qualify, students must have a CGPR no lower than 3.20 and must have earned at least 45 credits at this University. Graduate students may join on recommendation of the electrical engineering school director and the faculty adviser.

Eta Sigma Delta: International hospitality management honor society. Eta Sigma Delta was originated in 1978 at the University of New Hampshire and currently has more than 90 active chapters worldwide. The Fairleigh Dickinson University, International School of Hospitality and Tourism Management Chapter was founded in 1981. Eta Sigma Delta (ESD) Honor Society has developed an important role within the Council on Hotel, Restaurant and Institutional Education (CHRIE) organization, which is the ESD parent organization. To be eligible for membership, FDU chapter students are required to have a grade point ratio of at least 3.00 and to take an active leadership role in the school and hospitality-related community service. Members are inducted in a ceremony held annually in November. At that time, they commit to performing acts of community service and outreach, as they demonstrate proactive leadership. For honorary members to be eligible, they must be hospitality/tourism professionals, faculty, administrators or other distinguished individuals who have made significant contributions to the field.

Omicron Delta Epsilon: International economics honor society. Eligibility for membership is based on a 3.00 grade point ratio or better with at least 12 credits in economics and a grade point ratio better than 3.00. Omicron Delta Epsilon is one of the largest international honor societies. Each New Jersey campus of Fairleigh Dickinson University has a chapter.

Omicron Lambda, Chapter of Lambda Pi Eta: Communication studies honor society. The goals of Lambda Pi Eta are to recognize, foster and reward outstanding scholastic achievement; to stimulate interest in the field of communication; to promote and encourage professional development among communication majors; to provide an opportunity to discuss and exchange ideas about the field; to establish and maintain close relationships and understanding between faculty and students; and to explore

options for further graduate studies. To be eligible for membership, students must have completed 60 undergraduate credits, have a cumulative grade point ratio of at least 3.00, have completed the equivalent of four communication courses, have a grade point ratio of at least 3.25 in these courses and currently be enrolled as a full-time student in good standing with the department, the college and the University.

Phi Alpha Theta: International honor society in history. Phi Alpha Theta is the highest-rated departmental honor society. Students with an average of 3.10 or better in history courses and an average of 3.00 in two-thirds of the remainder of their work are eligible for membership. Eligibility for honor societies for transfer students will be based on all work done at other accredited institutions and a grade point ratio at Fairleigh Dickinson University that meets the grade point ratio requirement for membership in the honor society.

Phi Omega Epsilon: Eligibility for membership in the University's senior honor society is established by completing at least 90 earned credits toward an undergraduate degree with a CGPR of 3.50. Of these 90 credits, the last 58 must have been taken at the University, and a CGPR of 3.20 must have been maintained for all of them. All the preceding requirements must have been fulfilled prior to the accumulation of 112 credits. Transfer students who are unable to fulfill the prerequisite 58-credit requirement will be able to establish eligibility if they have taken at least 32 credits prior to the accumulation of 112 credits and if they have maintained a CGPR of 3.50 during their entire career at Fairleigh Dickinson.

Phi Zeta Kappa: Eligibility for membership in the University's junior honor society is established by completing at least the first 60 credits toward an undergraduate degree. Of these, 44 must have been earned at Fairleigh Dickinson and a CGPR of 3.20 must have been maintained for all of them. All the preceding requirements must have been fulfilled prior to the accumulation of 80 credits toward the undergraduate degree.

Pi Mu Epsilon: National honor society in mathematics. Students with an average of 3.20 or better in mathematics and an overall average of at least 3.00 are eligible for membership.

Pi Sigma Alpha: The Kappa Omicron Chapter of Pi Sigma Alpha. It receives into membership students of government, political science, public administration and international relations, when such students attain high standards of scholarship and academic distinction both in political science and in the sum of their academic work. Its chapters are established in colleges and universities of accredited and recognized standing that offer at least the prescribed minimum of work in political science.

Psi Chi: National honor society in psychology. Psychology majors who have attained a CGPR equivalent to or greater than 3.20 and a grade point ratio of 3.50 in psychology courses, and who have demonstrated high standards of personal behavior, are eligible for induction. Each psychology department also requires completion of a minimum number of psychology credits to be eligible. Information on the minimum credits for each department is available through the department chairperson or school director on each campus.

Sigma Tau Delta: International English honor society. The goals of Sigma Tau Delta are to confer distinction for high achievement in the study of literature in undergraduate, graduate and professional studies; provide, through its local chapters cultural stimulation on college campuses and promote interest in literature and the English language in surrounding communities; foster all aspects of the discipline of English, including literature, language and writing; promote exemplary character and good fellowship among its members; exhibit high standards of academic excellence; and serve society by fostering literacy. Candidates for undergraduate membership must have a minimum of two college courses in literature. The candidate must have a minimum of a B or equivalent average in literature and in general scholarship, must rank at least in the highest 35 percent of his/her class and must have completed at least three semesters or five quarters of college coursework.

Sigma Xi: The Scientific Research Society is an international scientific honor society, the aim of which is to encourage scientific research. Graduate and undergraduate students who have completed research projects are eligible for associate membership in the Fairleigh Dickinson University Club of the society. The club is authorized to elect associate members, which is by invitation and restricted to those who are actively engaged in research. The activities of the club include the sponsorship of lectures, discussions of scientific topics and the sponsorship of competition for the best student science papers. All activities of the society are free and open to the public. The society publishes the *American Scientist,* a magazine that is sent to all members.

Incompletes

This designation is not a substitute for a letter grade. It merely describes a student's temporary status in a course. It is to be given only in exceptional or emergency circumstances at the discretion of, and after consultation with, the instructor. Students have a responsibility for completing all work in a course on time. They have the added responsibility of notifying the instructor of circumstances preventing them from completing the requirements on time. Students will have up to the third week of the next full semester (excluding summer sessions) to complete the requirements. If the

requirements have not been met within the prescribed period, the I automatically will become an F. The F is a letter grade and will count in the student's CGPR.

Major Religious Holy Days

The University respects the observance of major religious holy days by members of the campus community. Officers of administration and of instruction responsible for scheduling of required academic activities or essential services are expected to avoid conflict with such holy days as much as possible.

Remediation

The University recognizes that some of its students require developmental coursework in areas such as writing and mathematics. *These courses do not carry college credit toward the degree.* The load involved in a remedial course shall be counted, to the extent permitted by applicable laws and regulations, as part of a student's academic load for the purpose of determining fulltime status and other eligibilities that are based upon academic load. Placement in these courses may be determined by formal testing.

Residence Requirement

The University requires that each candidate for the baccalaureate degree complete a minimum of 25 percent of the credits required for the degree including at least 50 percent of the credits required for a major to be taken in the department offering the major. In the Silberman College of Business, a majority of required business core, restricted business core courses and a majority of courses in the major must be completed from the Silberman College of Business. The credits making the 50 percent are listed under the business core, restricted business core and major (discipline) headings.

The University requires that each candidate for the associate degree complete a minimum of 30 credits in residence including 50 percent of the credits required for the core coursework.

ROTC (Reserve Officers' Training Corps)

Some students may wish to enroll in an ROTC program as part of their college experience.

Secondary Areas of Concentration/Minors

A minimum of 15 to 18 credits as specified by the appropriate department or school must be completed successfully to satisfy the requirement for a secondary area of concentration/minor. Courses used to satisfy core and/or curricular requirements may be used to fulfill the requirements for a secondary area of concentration/minor.

For minors in the Silberman College of Business, see specific requirements at Business Minors.

Semester Credits and Normal Load

The normal credit load for an undergraduate student is 16 credits each semester. A credit is defined as one lecture hour or recitation a week, or two or three hours of laboratory a week for the duration of the semester. Additional credits may be taken according to the conditions described under "Acceleration" in this section.

Summer Sessions

Many on-campus, off-campus and online courses are offered during the summer months. Students may register for a maximum of 6 credits per summer session. Exceptions can be granted on a case-by-case basis.

Regular degree and nondegree students can attend summer sessions. Students from other institutions must file a Fairleigh Dickinson University Application for Visiting College Students.

Note: An unofficial transcript from the home institution is needed to complete the admissions process. A complimentary transcript will be sent to the home campus upon completion of the summer term.

University Core Curriculum

Fairleigh Dickinson University requires a common University Core curriculum consisting of four integrated courses.

Back to Top

Academic Policies

AI Policies and Statements for Syllabi

Background

Emerging generative artificial intelligence (AI) tools, like ChatGPT and others, have become widely available recently (see this webpage from Jose Bowden for a helpful summary of different AI tools). While these tools offer inspiration and new opportunities, it's important not to view them as unacknowledged replacements for the content created by students in their courses.

It is against the University's Academic Integrity Policy for students to present work they did not personally complete as their own, and although the current policy does not specifically address AI, any work generated by an AI system that is not properly credited falls within the scope of this policy. An Academic Integrity Task Force is currently working on updating and revising our University's policy, and revisions in it will include references to AI, but will not include (nor should it include) the kind of guidelines for faculty that we offer here.

The goal of this "Suggested AI Policies and Statements for Syllabi" document is to provide faculty with guidance on how to navigate the widespread use of AI tools in the classroom and select an AI policy and statement that best aligns with the pedagogical objectives of their course. This document was developed by a committee comprised of the following individuals:

- Janet Boyd, Interim Dean, Becton College
- Patty Keefe Durso, Associate Provost for Academic Affairs
- Laila Khreisat, Associate Dean, Becton College
- Liz Panuccio, Associate Dean, Becton College
- Agie Markiewicz-Hocking, Assistant Dean for Curricular Initiatives and Assessment, Becton College
- Kate Spence, Director, Sammartino School of Education
- Xin Tan, Professor of MIS, Silberman College of Business; Faculty Director of the General Education Committee

We recommend that faculty assess whether AI tools align with their pedagogical objectives, and outline their AI course policies in a dedicated section of their syllabi. To assist with this, guidelines for the following three optional Interim AI Policy and Statements are provided below:

- Option 1: Generative AI tools are not allowed
- Option 2: Generative AI tools are allowed under specified circumstances, contingent upon acknowledgment
- Option 3: Generative AI tools are encouraged

Each option includes an opening statement and specific guidelines for each of the following criteria: acceptable level of use, rationale, student responsibility, instructor responsibility, and academic integrity.

Faculty may select one of the options to include on their syllabi (and are free to edit if they would like to add/edit/change anything). A table showing each of the optional policies side-by-side is also presented at the end of this document to help faculty review and determine the AI Policy and Statement that best aligns with their pedagogical objectives for each course.

Note that if faculty allow the use of generative AI tools, then it is imperative that students learn how to utilize these tools (e.g., ChatGPT) to enhance rather than impede their growth as creators, coders, writers, and critical thinkers. Fair access to these tools, along with equitable grading policies and student evaluation, should be ensured, regardless of whether students utilize AI tools in their coursework or not.

The Provost Leadership Council Workshop Series will be providing workshops and events in AY24-25 and forward to help provide both students and faculty with the knowledge and skills they need to work responsibly, productively, and ethically with generative AI tools.

Option 1: Generative AI tools are not allowed

All generative artificial intelligence tools are strictly prohibited in this class. You are expected to complete all of your work without the use of any generative AI tools. Students turning in work violating this policy will be subject to all academic and disciplinary procedures associated with plagiarism and cheating.

Acceptable Level of Use: To what extent can I use AI in this course?

The use of AI tools, including but not limited to generative AI models, is strictly prohibited in this course.

Rationale: How was the acceptable level of use determined?

I encourage you and your classmates to engage with course material and develop your skills through active learning. The use of AI tools in this course may undermine your learning process and hinder the development of your critical thinking and problem-solving abilities.

Student Responsibility: What am I responsible for? What do I need to know?

You are responsible for completing all course assignments, projects, and assessments using your own skills and knowledge without reliance on AI-generated content. Accordingly, you are expected to keep track of your working process (such as notes, library research, etc.) in case you are asked to demonstrate that your work is not AI generated.

Instructor Responsibility: How will my instructor assess my work?

In addition to assessing each assignment based on stated criteria, I will evaluate all assignments based on the originality and authenticity of your work. The use of AI-generated content will have a negative impact on your success and grade.

Academic Integrity: How can I use AI responsibly in this course?

Any use of AI tools to generate content for course assignments constitutes a violation of academic integrity and will be subject to disciplinary action as outlined in the university's Academic Integrity Policy.

Option 2: Generative AI tools are allowed under specified circumstances, contingent upon acknowledgment

As the technological world grows, I want to work with you to help you build technological literacy skills. To this end, I see emerging technologies, such as generative AI, as useful in the learning process in this course but not as replacements for your own creativity and achievements. Thus, I have crafted this course to give you space and tools to explore various ways of engaging AI in your own process of study. To the best of my ability, I will work to help you learn when it is appropriate to use generative and other AI

tools, to what extent you can engage with AI without entering ethically murky waters, and where the boundary between your work and AI generated work is. My goal is to prepare you to engage with current and future technologies in a thoughtful, critical, and productive way.

Acceptable Level of Use: To what extent can I use AI in this course?

You may use generative AI tools in specific contexts within this course, provided that their use is acknowledged and appropriate. You may use generative AI tools for initial stages of the learning process including brainstorming, idea generation, and creative exploration. They may also be utilized to assist in drafting initial concepts or generating supplementary materials such as summaries or notes.

Rationale: How was the acceptable level of use determined?

The primary goal of permitting the use of generative AI tools is to encourage your experimentation, exploration, and creativity in the learning process. You are encouraged to use these tools as learning aids to enhance your understanding and engagement with course material.

Student Responsibility: What am I responsible for? What do I need to know?

You are expected to acknowledge your use of generative AI tools for any purpose within this course. This includes indicating the specific tool used and its role in your creative process. While generative AI tools can be valuable aids, they are not a substitute for your independent thinking and creativity. You should use these tools as supplements to your own ideas and insights, rather than relying on AI-generated content.

Instructor Responsibility: How will my instructor assess my work?

I reserve the right to specify additional guidelines or restrictions on the use of generative AI tools throughout the course. In addition to the assessment modes established for grading your work, I will assess your work for originality. Please consult with me to ensure that your work is utilizing generative AI tools ethically as well as within the bounds of permissible use.

Academic Integrity: How can I use AI responsibly in this course?

It is your responsibility to ensure that your use of generative AI tools complies with academic integrity standards. Any attempt to misrepresent AI-generated content as original work will be considered a violation of the Academic Integrity Policy. If you are unsure, please consult with me in advance.

Option 3: Students are encouraged to use generative AI tools

Artificial intelligence is on the rise and will be actively engaged in this course. You are invited to use the technology thoughtfully and ethically. Your ideas about the use of AI in your educational process are welcome in this class, and you are encouraged to strategize with your peers and me on ways to use AI ethically and productively.

Acceptable Level of Use: To what extent can I use AI in this course?

You are encouraged to incorporate generative AI tools into your coursework to enhance your learning experience and foster creativity.

Rationale: How was the acceptable level of use determined?

Generative AI tools offer unique opportunities for exploration and innovation. You are encouraged to experiment with these tools to generate new ideas, perspectives, and solutions. By leveraging generative AI tools, you can augment your creative process and unlock new possibilities in your academic work. These tools can serve as valuable resources for brainstorming, idea generation, and content creation. Engaging with generative AI tools fosters the development of critical thinking, problem-solving, and digital literacy skills. You can refine your abilities to evaluate, adapt, and utilize emerging technologies in various contexts.

Student Responsibility: What am I responsible for? What do I need to know?

While using generative AI tools, you should acknowledge their role in the creation process. Proper acknowledgment ensures transparency and ethical conduct in academic endeavors. Generative AI tools can facilitate collaboration and communication among peers, and you are encouraged to share your experiences, insights, and creations with your classmates to foster a collaborative learning environment.

Instructor Responsibility: How will my instructor assess my work?

To the best of my ability, I will provide guidance, support, and feedback on your use of generative AI tools. You are encouraged to seek assistance from me when you encounter any challenges or have questions about incorporating these tools into your coursework.

Academic Integrity: How can I use AI responsibly in this course?

It is essential for you to uphold academic integrity while utilizing generative AI tools. You should ensure that your use of these tools complies with academic standards, respects intellectual property rights, and does not violate FDU's Academic Integrity Policy.

Side-by-side comparison of options

	Option 1: Generative AI tools are not allowed	Option 2: Generative AI tools are allowed under specified circumstances, contingent upon acknowledgment	Option 3: Generative AI tools are encouraged
Statement	All generative artificial intelligence tools are strictly prohibited in this class. You are expected to complete all of your work without the use of any generative AI tools. Students turning in work violating this policy will be subject to all academic and disciplinary procedures associated with plagiarism and cheating.	As the technological world grows, I want to work with you to help you build technological literacy skills. To this end, I see emerging technologies, such as generative AI, as useful in the learning process in this course but not as replacements for your own creativity and achievements. Thus, I have crafted this course to give you space and tools to explore various ways of engaging AI in your own process of study. To the best of my ability, I will work to help you learn when it is appropriate to use generative and other AI tools, to what extent you can engage with AI without entering ethically	Artificial intelligence is on the rise and will be actively engaged in this course. You are invited to use the technology thoughtfully and ethically. Your ideas about the use of AI in your educational process are welcome in this class, and you are encouraged to strategize with your peers and me on ways to use AI ethically and productively.

	Option 1: Generative AI tools are not allowed	Option 2: Generative AI tools are allowed under specified circumstances, contingent upon acknowledgment	Option 3: Generative AI tools are encouraged
		murky waters, and where the boundary between your work and AI generated work is. My goal is to prepare you to engage with current and future technologies in a thoughtful, critical, and productive way.	
Acceptable Level of Use: To what extent can I use AI in this course?	The use of AI tools, including but not limited to generative AI models, is strictly prohibited in this course.	You may use generative AI tools in specific contexts within this course, provided that their use is acknowledged and appropriate. You may use generative AI tools for initial stages of the learning process including brainstorming, idea generation, and creative exploration. They may also be utilized to assist in drafting initial concepts or generating supplementary materials such as summaries or notes.	You are encouraged to incorporate generative AI tools into your coursework to enhance your learning experience and foster creativity.
Rationale: How was the acceptable level of use determined?	I encourage you and your classmates to engage with course material and develop your skills through active learning. The use of AI tools in this course may undermine your learning process and	The primary goal of permitting the use of generative AI tools is to encourage your experimentation, exploration, and creativity in the learning process. You are encouraged to use these tools as learning aids to enhance your understanding and	Generative AI tools offer unique opportunities for exploration and innovation. You are encouraged to experiment with these tools to generate new ideas, perspectives, and solutions. By leveraging generative AI tools, you

	Option 1: Generative AI tools are not allowed	Option 2: Generative AI tools are allowed under specified circumstances, contingent upon acknowledgment	Option 3: Generative AI tools are encouraged
	hinder the development of your critical thinking and problem-solving abilities.	engagement with course material.	can augment your creative process and unlock new possibilities in your academic work. These tools can serve as valuable resources for brainstorming, idea generation, and content creation. Engaging with generative AI tools fosters the development of critical thinking, problem-solving, and digital literacy skills. You can refine your abilities to evaluate, adapt, and utilize emerging technologies in various contexts.
Student Responsibility: What am I responsible for? What do I need to know?	You are responsible for completing all course assignments, projects, and assessments using your own skills and knowledge without reliance on AI-generated content. Accordingly, you are expected to keep track of your working process (such as notes, library research, etc.) in case	You are expected to acknowledge your use of generative AI tools for any purpose within this course. This includes indicating the specific tool used and its role in your creative process. While generative AI tools can be valuable aids, they are not a substitute for your independent thinking and creativity. You should use these tools as supplements to your own ideas and insights,	While using generative AI tools, you should acknowledge their role in the creation process. Proper acknowledgment ensures transparency and ethical conduct in academic endeavors. Generative AI tools can facilitate collaboration and communication among peers, and you are encouraged to share your experiences, insights, and creations

	Option 1: Generative AI tools are not allowed	Option 2: Generative AI tools are allowed under specified circumstances, contingent upon acknowledgment	Option 3: Generative AI tools are encouraged
	you are asked to demonstrate that your work is not AI generated.	rather than relying on AI-generated content.	with your classmates to foster a collaborative learning environment.
Instructor Responsibility: How will my instructor assess my work?	In addition to assessing each assignment based on stated criteria, I will evaluate all assignments based on the originality and authenticity of your work. The use of AI-generated content will have a negative impact on your success and grade.	I reserve the right to specify additional guidelines or restrictions on the use of generative AI tools throughout the course. In addition to the assessment modes established for grading your work, I will assess your work for originality. Please consult with me to ensure that your work is utilizing generative AI tools ethically as well as within the bounds of permissible use.	To the best of my ability, I will provide guidance, support, and feedback on your use of generative AI tools. You are encouraged to seek assistance from me when you encounter any challenges or have questions about incorporating these tools into your coursework.
Academic Integrity: How can I use AI responsibly in this course?	Any use of AI tools to generate content for course assignments constitutes a violation of academic integrity and will be subject to disciplinary action as outlined in the university's Academic Integrity Policy.	It is your responsibility to ensure that your use of generative AI tools complies with academic integrity standards. Any attempt to misrepresent AI-generated content as original work will be considered a violation of the Academic Integrity Policy. If you are unsure, please consult with me in advance.	It is essential for you to uphold academic integrity while utilizing generative AI tools. You should ensure that your use of these tools complies with academic standards, respects intellectual property rights, and does not violate FDU's Academic Integrity Policy.

Relevant Academic Policies: NJ

(in alphabetical order by policy name)

Academic Integrity

Attendance (from the Academic Regulations section of the Student Handbook)

Chosen Name Policy

- Florham
- Metro

Disability Support Services

Students with documented medical, psychological, or learning disabilities, who feel they may need in-class academic adjustments, reasonable modifications, and/or auxiliary aids and services while taking this course, should first contact the Disability Support Services (DSS) to discuss their specific needs. At the Florham Campus, including the School of Pharmacy & Health Sciences and study abroad programs, contact the Director of Disability Support Services at 973–443–8079. At the Metropolitan Campus, online and off-campus programs, contact the Director of Disability Support Services at 201–692–2078. For Vancouver Campus, contact the Deputy Campus Executive at 604–648–4463. Once the academic adjustments, modifications, or auxiliary aids and services are approved by DSS, make an appointment to see the faculty member. Additional information about the Office of Disability Support Services can be found here: https://www.fdu.edu/student-life/disability-support-services/

Diversity, Equity, Inclusion, and Accessibility (DEIA) Commitment

Grade Appeal Procedure

Major Religious Holy Days

Non-Title IX Prohibited Discrimination, Harassment and Related Misconduct Policy and Procedures

Student Privacy and the Family Educational Rights Privacy Act (FERPA)

Title IX Sex Discrimination Policy

Relevant Academic Policies: Vancouver

(in alphabetical order by policy name)

Academic Integrity

Attendance (from the Academic Regulations section of the Student Handbook)

Chosen Name Policy

- Florham
- Metro

Disability Support Services

Students with documented medical, psychological, or learning disabilities, who feel they may need in-class academic adjustments, reasonable modifications, and/or auxiliary aids and services while taking this course, should first contact the Disability Support Services (DSS) to discuss their specific needs. At the Florham Campus, including the School of Pharmacy & Health Sciences and study abroad programs, contact the Director of Disability Support Services at 973–443–8079. At the Metropolitan Campus, online and off-campus programs, contact the Director of Disability Support Services at 201–692–2078. For Vancouver Campus, contact the Deputy Campus Executive at 604–648–4463. Once the academic adjustments, modifications, or auxiliary aids and services are approved by DSS, make an appointment to see the faculty member. Additional information about the Office of Disability Support Services can be found here: https://www.fdu.edu/student-life/disability-support-services/

Diversity, Equity, Inclusion, and Accessibility (DEIA) Commitment

Grade Appeal Procedure

Major Religious Holy Days

Non-Title IX Prohibited Discrimination, Harassment and Related Misconduct Policy and Procedures

Student Privacy and the Family Educational Rights Privacy Act (FERPA)

Relevant Academic Policies: Online

(in alphabetical order by policy name)

Academic Integrity

Attendance (from the Academic Regulations section of the Student Handbook)

Chosen Name Policy

- Florham
- Metro

Disability Support Services

Students with documented medical, psychological, or learning disabilities, who feel they may need in-class academic adjustments, reasonable modifications, and/or auxiliary aids and services while taking this course, should first contact the Disability Support Services (DSS) to discuss their specific needs. At the Florham Campus, including the School of Pharmacy & Health Sciences and study abroad programs, contact the Director of Disability Support Services at 973–443–8079. At the Metropolitan Campus, online and off-campus programs, contact the Director of Disability Support Services at 201–692–2078. For Vancouver Campus, contact the Deputy Campus Executive at 604–648–4463. Once the academic adjustments, modifications, or auxiliary aids and services are approved by DSS, make an appointment to see the faculty member. Additional information about the Office of Disability Support Services can be found here: https://www.fdu.edu/student-life/disability-support-services/

Diversity, Equity, Inclusion, and Accessibility (DEIA) Commitment

Grade Appeal Procedure

Major Religious Holy Days

Non-Title IX Prohibited Discrimination, Harassment and Related Misconduct Policy and Procedures

Student Privacy and the Family Educational Rights Privacy Act (FERPA)

Title IX Sex Discrimination Policy

STUDENT LIFE

Campus Life

Florham Campus Life

When students think of college, their first thoughts are usually of the classroom. But lectures and labs are just a part of the total college experience. College is your chance to interact with people whose backgrounds are different from your own — to try out a new sport or activity you've never done before.

More than half of Florham Campus students participate in a sport. The 50+ clubs students engage in include academic, arts, religious and spiritual, diversity and multicultural, service, social, and recreational. The 10 Greek organizations participate in many philanthropic ventures throughout the academic year.

You can sign-up for a free trip to a Broadway show, professional sports game, museum, or cultural celebration

Go to an on-campus program such as Devil Days, Pep Rally, Haunted Mansion, Ian's Luau, Wild West, Devils World, Club Fair, Ian's Birthday, or Meet the Greeks. Try a novelty program like DIY terrariums, Lego bingo, paint and sips, Stuff a Plush, friendship bracelets, journal decorating, or DIY suncatchers. How about a food program like donut stress, funnel cakes, coffee bar, chocolate fountain, walking tacos or nacho bar? Diversity programs include West Indian Student Organization Rep Ya Flag, Taste of Culture, Interfaith Mixer, Indian Sweets and Henna Art, or Bachata Night. Many of these activities are created and sponsored by students.

The opportunities are endless, and you are encouraged to challenge yourself, push your comfort zone, and gain experiences while having fun!

Metropolitan Campus Life

Living on campus gives you the chance to become more fully engaged in the life of the University. You'll find the experience offers you tremendous opportunities to get involved, sharpen your leadership skills, explore your special interests and broaden your network of friends. Nearly 1,000 students live in the residence halls at the Metropolitan Campus.

The Student Union Building houses the Knight Club Gameroom. The Knight Club is available for social events as well as meetings. The Knight Club Gameroom is the venue for all sorts of entertainment, including comedy shows, hypnotists, live bands, poetry readings, pool, board games, big-screen TV, ping-pong and video games.

FDU also has top-notch facilities for anyone interested in all aspects of radio and television. WFDU-FM is a noncommercial FM station broadcast from the Metropolitan

Campus. WFDU offers University students the opportunity to develop skills that are required for success in commercial broadcasting.

Students are strongly encouraged to take advantage of the many educational trips in the metropolitan New York/New Jersey area. Recent trips include the Statue of Liberty and Ellis Island, The Schomberg Museum, The Apollo (for its famous "Amateur Nights"), Broadway shows, such as *Hairspray, Aida, and Phantom of the Opera,* Six Flags Great Adventure, Atlantic City, New York Yankees games, and more.

The following traditions are honored: Welcome Week, University Day, Alcohol Awareness Week, Latin Heritage Month, Aids Awareness Week, Holiday celebrations, Black History Month, Women's Awareness Month, Multicultural Week, Greek Week, Kwanzaa Week, Spring Jam, River Day, Renaissance Fair, Literary Society lectures, Winter Ball, Annual Boat Ride, Awards Dinners and Senior Week.

Planning to commute?

If you're planning to commute to the Metropolitan Campus, rest assured that you'll find plenty of support services and resources designed just for your needs.

The Commuter Lounge, located in the Fitness Center, will become your "home away from home." Its comfortable chairs and sofas make it the perfect place to relax between classes. There are lockers and vending machines to make your life easier — and it's Wi-fi enabled for easy internet access. Nearly all academic buildings and the library offer wireless access too.

The Commuter Lounge is located near the North Lot, the primary parking area for students. (Good news: there's ample parking at the Metropolitan Campus!) Public bus service comes right to campus.

The Metropolitan Campus also has an active Commuter Council that assures your voice and concerns will be heard. It's a great way to get involved in campus affaris and network with fellow commuters.

You'll also be encouraged to become involved in other campus clubs and activities. Because so many students commute to the Metropolitan Campus, most groups try to plan meetings and events around the schedules of commuters.

Vancouver Campus Student Services

As the center of campus community life, the Office of Student Services is an integral part of the educational mission of Fairleigh Dickinson University, Vancouver Campus. By offering a variety of programs, services and facilities that meet the needs of the FDU community, the office recreates an environment for individuals to interact and learn from one another. It also provides opportunities for student, faculty and staff involvement in campus life.

The Vancouver Campus values participatory decision making, self-directed activity and an open exchange of ideas. Through service to the campus community in volunteerism, and committees, FDU in Vancouver fosters interactive and developmental experiences in leadership and social responsibility. Furthermore, it enhances the students' academic experience through an extensive array of cultural, educational, recreational, social and leadership programs – thus developing well-rounded, confident citizens of the world.

The Office of Student Services honors individuality and values diversity. It provides opportunities to celebrate traditions that will shape the University's future. The office is committed to fostering a community that cultivates dedication and pride in the University community.

At the Vancouver Campus you will be an integral part of an exciting new international learning community. Together, you and other students from Canada and around the world will work toward achieving your educational and career goals, sharing knowledge and forging lifelong friendships.

Housing

You may choose to live with a host family in Vancouver, one of the most culturally diverse cities in the world. Students living with host families have the opportunity to experience the city and its many resources through the eyes of its residents. Host families are often able to link students with other members of their cultural community. For more information about your housing choices, please see Living @ Vancouver.

Student Life

As a member of the Vancouver Campus student body, you will have a significant voice in the development of student life. You will help shape the kind of organizations, events and activities that will make your experiences at FDU rewarding and memorable.

Meet your Student Services Team

Jobin Mojtabavi, **MAS, RISIA,** Director of Student Services and Student Experience

Sheenam Bhardwaj, **MAS**, Activities Coordinator

Emily (Mengting) Wang, **MEd, RCIC,** International Student Advisor

Contact Information
Room 123
Cambie Location
vancouverstudentservices@fdu.edu

[Back to Top](#)

Dining

Even the most finicky palate will find something delicious to eat at the New Jersey campuses of FDU. The main cafeteria at each campus features a variety of food-court-style selections.

In addition to daily hot foods, students can choose from a pasta bar, salad bar and such traditional college favorites as cold cuts and cheeses, burgers and fries. To top off a meal, you can create your own ice cream or frozen yogurt dessert. Vegetarian, low-fat and other special diets can be maintained through the variety of selections offered.

FDU's Flex Plan makes dining easy, providing you with ample options so dining never is boring. Through the plan, students are given an electronic card with meal credits that can be "spent" at the dining hall and other dining sites on campus.

If work, studies or student activities delay you from regular mealtime hours at Florham, you can choose from limited "after-hours" selections in the dining area or get your late night snacks from the Florham Kitchen. The Perk offers gourmet coffees and snacks. With the Flex Plan card, you never need to carry cash for food — your meal is automatically credited against your food account.

On the Metropolitan Campus, the dining options in addition to the main dining hall are the Bridge Cafe on the Teaneck side of the campus, overlooking the Hackensack River, and the Dickinson Cafe on the ground floor of Dickinson Hall.

For all the details about the menu options and serving hours of each campus eatery, please visit FDU Dining Services.

Back to Top

Housing and Residence Life

Metro Campus Residence Halls

The Metropolitan Campus strives to create a residential environment that promotes the development of both the individual and the community. The educational mission of the University extends into the residence halls by providing challenges and a support network that allows and encourages each member of the community to actively participate in the shaping of their environment.

The Linden residence halls are comprised of eight buildings with three co-ed floors of same-gender suites each consisting of three (3) double occupancy rooms — a total of

about sixty residents per building. Each suite's common area has a shared bathroom There are two Resident Assistants per building. All new freshmen reside in the Lindens with the exception of Global Scholars & Honors Scholars, and L.I.F.E. House members. Specific Linden buildings may be designated for upperclass and graduate students only.

University Court is comprised of ten (10) separate townhouse-style buildings. Each building contains one to three sections per building, same gender sections, two floors, one to two bathrooms per floor, mostly double rooms with some single and triple occupancy rooms. There are one to two Resident Assistants per building. University Court is open to upperclass and graduate students. Freshmen admitted to L.I.F.E. House, the Global Scholars or Honors Scholars programs may reside in this area in designated buildings that may include building sections with same-gender floors.

Northpointe, a traditional corridor-style residence hall comprised of four co-ed floors with two wings per floor, houses approximately 300 residents in same-gender double occupancy rooms that open into interior hallways. Each bedroom has a private bathroom. Residents share a common lounge space on each floor. There are two Resident Assistants per floor. A kitchenette (two microwaves, a dishwasher, refrigerator, and sink) is available on third floor. ADA compliant rooms are available.

The University provides each residence hall resident with access to the Local Area Network (LAN) system. This system is a common server that utilizes multiple software packages, including Internet and E-Mail services.

Residents can choose from many different living options: 24-hour quiet, L.I.F.E. House, Graduate Housing, Global Scholar Hall, or Honor's House.

All residents enjoy free housekeeping services in the common areas, nearby laundry facilities, and access to cable television outlets in each room.

Florham Residence Halls

For most students, living on campus is one of the most memorable and fulfilling parts of their college experience. For many, it marks the first time they've lived on their own, away from family and friends. At the Florham Campus, three of every four undergraduate students choose to live in the University's residence halls.

The two Twombly Halls Florence Twombly and Hamilton Twombly, are traditional-style residence halls, coed by floor, with double rooms and common bathroom facilities. The climate is controlled by our Facilities department. Students give high grades to the extra-spacious rooms in the Twomblies.

The Village features nine suite-style buildings; each of which has six to seven person suites that offer a shared suite bathroom and double bedrooms. Coed by suite, The Village is fully air-conditioned. In Stirling Hall, York Hall, Ellsworth Hall, Barclay Hall, Penn Hall and Rice Hall, the suites each also have a shared suite common living room.

Park Avenue has four-person suites, each with its own living room and kitchen and is independently climate-controlled. Park Avenue is reserved for sophomores, juniors, seniors, and graduate students.

Rutherford Hall offers independently climate-controlled double rooms, each with a private bathroom.

Each residence hall offers unique amenities. Some have a fitness center, a game room, study lounges, and more. But each residence hall offers:

- In-building laundry facilities, always free of charge
- Daily complimentary housekeeping services in the common
- Wireless and Ethernet links to the campus network
- Free in-room cable
- In hall programs, events and community builders
- All buildings have air conditioning
- All buildings are smoke free
- All residence halls have card-access front doors and room doors
- All residence halls have security cameras inside the building and out

Near the residence halls, you'll find a variety of outdoor courts and playing fields. They include a volleyball pit as well as lighted basketball courts and softball field for evening play.

All residence halls contain smoke-free rooms. Resident students are permitted to have cars on campus. Free parking is available in lots near the residence halls. Incoming Florham Campus freshmen students, residing on campus, will have the ability to apply for a parking permit. Approved freshmen students will be allowed to park in a

designated area in residence parking lot #3, located in the rear of Park Avenue residence hall.

Each residence hall floor has a resident assistant (RA) who serves as an on-site counselor and resource for students. Your RA will plan activities to encourage you to meet and get to know other resident students. Examples might include white-water rafting, hiking excursions, skiing in the Poconos, shopping at area malls and discount outlets, a skirmish weekend (paint-ball) or a semi-formal dance.

Overnight guests are permitted on campus, but they must be registered for each night's stay. The residence halls have card-access doors, security cameras and campus security regularly inspects campus grounds and facilities.

Near the residence halls, you'll find a variety of outdoor courts and playing fields for a casual game or two. They include a volleyball pit as well as lighted basketball courts and softball field for evening play.

Fairleigh Dickinson University's Florham Campus residence halls house nearly 1600 undergraduate and graduate students. The traditional lock and key have given way to card access, similar to the technology found in most hotels. Students simply use their student identification card to access the main building doors as well as their room door.

The Twomblies

Room size: 12′ x 15′

"The Twomblys" are two adjoined traditional-style residence halls, coed by floor, with double rooms and common bathroom facilities. One of the favorite parts of the Twomblys, for some, are its extra-spacious rooms.

Twombly Lounge

A large lounge located on the lower level connects Hamilton and Florence Twombly. Renovated in 2015, Twombly Lounge features comfortable seating and a large projector and screen for movie nights and other programs throughout the semester. In addition, the lounge's "study side" includes large tables and seating for collaborative study, as well as individual study corrals.

Cardio Room

The Twombly Lounge also hosts a 24-hour access Cardio Room. The Cardio Room includes bikes, ellipticals, medicine balls, a stair climber, treadmills, and televisions.

Village Residence Halls

Approx. Room size: 11′ x 15′

The Village consists of nine residence halls, with students living in suite-style accommodations. Stirling, York, Ellsworth, Barclay, Penn, Rice, Wilder and Vanderbilt house sophomores through graduate students. **Danforth Hall** is our designated housing for first-year University Honors Program and Honors Academy students. Suites house six to seven students depending on the layout of the suite.

Stirling, York, Ellsworth, Barclay, Penn, and Rice have three double bedrooms that share a common living room and bathroom.

Wilder, Vanderbilt and Danforth feature four bedrooms (three double bedrooms and one single room) connected by a hallway that share a bathroom.

Laundry and trash facilities are provided on the lower level of each Village hall. Light housekeeping is provided once a week in each suite's bathroom. We encourage all students to come prepared with cleaning supplies for ongoing up-keep.

The Village Halls have no overhead lights in the student rooms; therefore, residents are encouraged to provide lamps for reading and general lighting.

Village Suite, perspective view

Rutherford Hall

Named after the University's first campus, Rutherford Hall offers double rooms with private bathrooms, and independent climate-control for its residents. With its close proximity to the Student Center, it's a highly desirable location for upper-class students who are active on campus. Each floor in Rutherford offers a common social space, study lounge and vending machines on each floor for late night snack attacks. Rutherford has five floors and features two elevators.

Rutherford forms a quad with Florence and Hamilton Twombly Halls creating a large courtyard and lawn space, which becomes a social hub for students; whether they are

having a BBQ, playing a wiffle ball game, tanning, catching up on reading, or enjoying the patio swings.

Rutherford, overhead view

Rutherford, perspective view

Park Avenue Residence Halls

- **Approximate bedroom size**: 13 ft x 15 ft
- **Approximate living room size**: 10 ft x 15 ft

Park Avenue offers apartment-style living. Each apartment has two double bedrooms, a living, room, and a kitchen area with a sink, apartment-size stove and refrigerator and independent climate-control. Park Avenue suites do not includes microwaves; though students may bring their own. Each bedroom has its own bathroom. Park Avenue is four floors and has two elevators to help after those long days of classes.

Game Room

The recently renovated Game Room, located in the South Wing of Park Avenue on the first floor includes a pool table, television, and lounge furniture for residents to enjoy. Students can access the Game Room 24/7 via their Fairleigh 1Card.

Park Avenue, overhead view

Park Avenue, perspective view

Living in Vancouver

Student Housing

FDU Vancouver's Housing Department is dedicated to helping students find their home from a variety of housing options. Through our partnerships you can choose from off-

campus residence style rooms, shared apartments, private residence partners or homestay with a Canadian Family.

Please contact our Housing Department staff at fduvanhousing@fdu.edu or 604-648-4460.

Partners

GEC Living

GEC is the select housing partner with FDU Vancouver.

GEC is Vancouver's largest off-campus student residence provider which provides students with secure, convenient, and safe housing options.

Please use our exclusive landing page for your booking: https://my.gecliving.com/inquiry/fdu/.

Van Sweet Home

Van Sweet Home is a housing partner with FDU Vancouver.

With over seven years of extensive knowledge of Canadian market and best approval rate with landlords, Van Sweet Home offers expert guidance in finding and renting your new home in Canada.

Please use the following website for your booking: Home | Van Sweet Home. You may also download their user-friendly app to simply the search and application process.

YWCA Residence

One of the finest "Y" accommodation facilities in North America, Vancouver's YWCA Hotel is less than a 5 minute walk to the FDU Campus. It offers a warm welcome to students, and is a comfortable, safe and affordable place to stay at the heart of downtown's arts and entertainment scene. Accommodation is available for both male and females students. Residence rates (30 days or more) are available from September – May. During June, July and August, weekly rates are available.

Single and double rooms are available, with a choice of semi-private or hall bathrooms. All rooms are air-conditioned and equipped with mini fridge, TV, desk, telephone, vanity area and shelving unit. Three large guest kitchens, lounge area and coin-operated laundry facilities are also available, and free WiFi is available throughout the hotel.

You can visit the YWCA website for more information.

Please use this link for your booking: hotel@ywcavan.org. Be sure to inform them that you are an FDU student

Homestay

One of the most economical ways to meet your living requirements is to live with a Canadian family.

Apartments, Shared Accommodation, Roommate Finder

***SCAM ALERT**: Do not send money to any landlords until you have arrived in Vancouver, viewed the apartment, and signed a rental agreement*

4stay	Aptrentals.net	Vanmates
My BC Rental	Padmapper	Rent BC
Rent Seeker	Rentsline	Vancouver Craigslist
Liv.rent	Rent It Furnished	Facebook Property Rentals

Residence Style and Short-Term Accommodation

Stay in a student style residence, or arrange short term hotel accommodation while you are deciding on a place to live.

Tenancy Resources

The Residential Tenancy Branch

The government of British Columbia's Housing and Tenancy website provides students with information to guide students from the start of a tenancy to the end.

For support in your preferred language, call **1-800-665-8779**.

Residential Tenancies – Province of British Columbia

Tenancy Agreements – Province of British Columbia

Residential Tenancy Agreement – Gov

TenantsBC

The Tenant Resource and Advisory Centre website is your online guide to better understanding tenant-landlord law in British Columbia.

https://tenants.bc.ca/

Tenant Infoline: **1-800-665-1185**

Renting It Right

Renting It Right is a free online learning platform that teaches BC tenants how to find rental housing, maintain problem-free tenancies, and resolve legal disputes with landlords.

Contact Information

Student Services Office

(604) 648-4460
fduvanhousing@fdu.edu

Living at Wroxton College

Wroxton College is located in Oxfordshire, northwest of London. The college is housed in an exceptionally beautiful, completely modernized 17th century manor house. Wroxton College is an overseas campus of Fairleigh Dickinson University.

Wroxton features courses in literature, history, political science, art history, creative writing, core curriculum, psychology and sociology.

There are set requirements for qualification to attend Wroxton, but conscientious FDU students usually meet the requirements.

Oxfordshire is in the Cotswolds, an area known for its outstanding natural beauty. Explore the nearby city of Oxford or the market town of Banbury, only three miles away. Should you wish to travel further afield, Wroxton is ideally situated for trips to Birmingham and London.

Banbury is England's largest market town, and it's located just three miles from campus. Van trips throughout the week allow for shopping and socializing in town. Wroxton's central location in the heart of England also puts it close to Oxford and Stratford-Upon-Avon.

> Living at Wroxton is living in England, complete with breaks for tea every morning and afternoon. A great way to relax between classes, students often find themselves looking forward to teatime with biscuits in the morning and cake in the afternoon.
>
> Rooms at Wroxton are singles and doubles overlooking the beautiful grounds of the estate. Each room has its own bathroom.
>
> What used to be Lord North's mansion is now your residence hall. Lord North, England's Prime Minister during the Revolutionary War, once called Wroxton home.
>
> Wroxton's class sizes are small allowing for close and memorable relationships with the highly qualified British faculty.
>
> The Abbey retains its 17th century charm but has been completely modernized. There's even a gym at your disposal; a nice way to blow off steam after a day of classes.
>
> Meals are served buffet-style in the dining hall. Suggestions are welcome and students should not be surprised to find their requests for a particular dish on the college's menu the following week!

Wroxton Abbey History:

Prime Minister Frederick Lord North: 18th Century

The Abbey's most famous resident has to be the much maligned Prime minster, Lord Frederick North. Lord North was named in honour of Frederick, Prince of Wales, his father's patron.

Lord North held many titles; Knight of the Garter, sometime constable of Dover Castle, Lord Warden of the Cinque Ports, Chancellor of the Exchequer, Leader of the House of Commons between 1767 and 1770 and most importantly, Prime Minister of Great Britain between 1770 and 1782.

Lord North was Prime Minister to King George III. He had real achievements in such fields as finance, Ireland and India. Nonetheless, he has been dubbed, "Britain's worst Prime Minster" though there have been other contenders vying for that title. He was dubbed Britain's worst Prime Minister because he lost the American colonies. So there's more than a little irony in the fact that his ancestral home is now an American owned University.

Websites of interest about the abbey, the area, and the history.

Wroxton College alumnus Howard Goldbaum has created a web site with a virtual tour of Wroxton Abbey and other information.

Check out the Wroxton Photo Gallary, captured by Brian Lewis, BS'22, MAT'23 (Flor), here.

Below are other non-FDU websites that provide insights and images of Wroxton.

- Oxford and Oxfordshire
- Wroxton Village
- Satellite image from Google

[Back to Top](#)

Disability Support Services

Disability Support Services

Fairleigh Dickinson University's (FDU) Office of Disability Support Services, in accordance with all applicable government regulations, guidance, and policies, works to ensure that students with documented disabilities have equal access to the FDU's courses, programs, activities, and services.

The Office of Disability Support Services is committed to providing students with the tools and resources they need to pursue their academic, professional, and personal goals during their years at FDU. We work closely with administrators, faculty, staff, and students to foster a welcoming, diverse, and inclusive campus community.

Contact Information
Metropolitan Campus
Metrodss@fdu.edu
201-692-2078
201-692-2425 Fax
Monday to Friday: 9 AM to 5 PM
Saturday and Sunday: Closed
1000 River Road, T-RH5-03, Robison Hall Room 500
Teaneck, NJ 07666

Contact Information
Florham Campus
Florhamdss@fdu.edu
973-443-8079
973-443-8080 Fax
Monday to Friday: 9 AM to 5 PM
Saturday and Sunday: Closed
285 Madison Avenue, M-M01-01, Monninger Center
Madison, NJ 07940

Academic Adjustments/Accommodations

Students with documented disabilities should submit their application and supporting documentation to the Office of Disability Support Services in a timely fashion. Students may begin the process of applying for adjustments/accommodations (accommodations) at any point during their time at FDU.

For students new to FDU or for existing students who wish to apply for accommodations, applications, and documentation should be submitted by the following dates to allow a reasonable timeframe to accurately assess and approve accommodations before the first day of classes:

- Fall Semester: July 1
- Spring Semester: January 2

To apply for academic accommodations, eligible students will follow these steps

1. Complete and Submit an Online Application

- Follow the instructions to complete and submit the online application: New Students Apply for Disability Support
- Upon successfully submitting the online application, the student will receive a confirmation email that will contain information on our documentation guidelines and instructions for submitting supporting documentation.

2. Submit Supporting Documentation

- Students should submit a copy of their most recent disability-related documentation to the Office of Disability Support Services.

Note: While IEP and 504 Plans from high school are sometimes helpful, they are not always sufficient documentation of a disability.

- Students can submit their documentation by uploading it to the secure online portal (myDSS), mailing it, or faxing it to the DSS office.
- Once applications are completed (i.e., an online application accompanied by supporting documentation), they will be reviewed by the Office of Disability Support Services.

3. Receive Notification of Decision

- The Office of Disability Support Services' determination of academic accommodations will be based on the documentation and information provided by students.
- Once approved, a staff member of Disability Support Services will contact the student and schedule a meeting to discuss the next steps regarding the implementation of approved accommodations.

Once approved, eligible students will follow these guidelines

Submit a request for accommodation letters to be sent to professors

- Students are responsible for requesting accommodation letters. Students will meet with a staff member of Disability Support Services to gain access and learn about myDSS. During this meeting, students will login to request that their letters of accommodation(s) be sent to their professors. Once the request has been submitted, the Office of Disability Support Services will send the student's professors an electronic copy of the approved accommodation letter(s).

Monitor Progress and Contact DSS for Further Assistance

- As the semester progresses, it is the student's responsibility to monitor their academic progress. If students require additional assistance with their accommodations, contact the Office of Disability Support Services immediately.

  If students require academic assistance or additional support services beyond what the Office of Disability Support Services provides, contact the office for a referral to the appropriate campus resources.

Future Semesters

Students will not need to reapply for services each semester but must submit a request for accommodation letters to be sent to professors:

1. Click on "Log Into MYDSS"
2. Select the courses to obtain accommodation letters based on previously approved accommodations.

3. Select the accommodations to have included in each letter of accommodation based on previously approved accommodations.
4. Submit the request.

Once the request has been submitted, the Office of Disability Support Services will send an electronic copy of the approved accommodation letter(s) to the student's professors.

Students seeking to make changes to their academic accommodations must contact the Florham campus at florhamdss@fdu.edu or the Metropolitan campus at metrodss@fdu.edu.

Common Academic Accommodations

The Office of Disability Support Services (DSS) provides a variety of accommodations to students with disabilities based on their documented needs. Accommodations are determined on a case-by-case basis, taking into account what is most appropriate and reasonable for an individual student based on their documented disability-related need, and essential requirements of their academic program. Commonly provided accommodations include but are not limited to:

Testing Accommodations

1. Extended Time on Tests

This academic accommodation typically constitutes "time and a half" based on the standard exam allotted time. Instructors may provide this academic accommodation by allowing a student extended time immediately before or after a scheduled exam time, during office hours, or at any other mutually agreed upon time and location. Alternatively, the Office of Disability Support Services can arrange for a proctor to administer the exam in the DSS office with appropriate notice.

2. Distraction-reduced Testing

This academic accommodation provides a student with a less distracting space to take any course exam. Instructors may provide this academic accommodation by administering the exam in their office or somewhere within their department. With appropriate notice, the student can also choose to take the exam in a distraction-reduced testing room arranged by the Office of Disability Support Services.

3. Use of a Calculator

This academic accommodation is provided for students with a math disability. Students are allowed to use a non-scientific basic calculator on math exams. Students must bring their calculators to the testing location.

Class Accommodations

1. Assistance with Note-taking

This academic accommodation provides students with note-taking assistance. Please note that the student is responsible for regularly attending the class. **Note-taking assistance is not a substitute for class attendance.**

2. Use of a Laptop or Computer

This academic accommodation may apply to both in-class activities and exams. If approved, students should use their own **computers for in-class work**. Students requiring a computer for their exams will take their exams at the Office of Disability Support Services on an office computer.

3. Preferential Seating

This academic accommodation is for students who would benefit from sitting in a specific location in the classroom.

4. Assistive Technology

The Office of Disability Support Services provides students with access to a variety of assistive technologies. These include but are not limited to:

• Captioning

• Adaptive computer keyboards

• Assistive listening devices

• Books in an alternate format

• Use of audio recording software for notetaking

• Screen readers

• Speech-to-text Software

Other Accommodations

1. Priority Course Registration

Students with certain disability-related needs may qualify to receive priority registration on a **case-by-case basis** as a reasonable academic accommodation. The priority registration accommodation provides students with the opportunity to register for classes on the first day registration opens.

2. Graduate and/or Professional Licensing Exam Requests

If students need to submit verification of accommodations to testing or licensing agencies, students can email a request to the Florham campus at florhamdss@fdu.edu or the Metropolitan campus at metrodss@fdu.edu at least 2 weeks in advance of the submission deadline. Students are responsible for contacting the testing or licensing agencies to acquire the correct forms for the Office of Disability Support Services. Accommodations approved at FDU are not always transferable outside of FDU. To support accommodation requests, students may need to submit additional documentation directly to the licensing agencies.

Disability Support FAQs

- If a student registers with Disability Support Services, will that show up on their academic record?
- Are there separate admission standards for students with disabilities?
- When and where do I send my disability documentation?
- If a student is receiving adjustments/accommodations elsewhere, will the student automatically qualify for the same at FDU?
- Does the Office of Disability Support Services provide assistance for a temporary disability?
- What is the difference between the Office of Disability Support Services, the Regional Center for Learning Disabilities, and the COMPASS program in terms of providing academic accommodations?

If a student registers with Disability Support Services, will that show up on their academic record?

No. All disability documentation and information related to a student with a disability are stored confidentially and will not be reflected anywhere on the student's academic records.

Are there separate admission standards for students with disabilities?

No. Students with disabilities must meet the same admission standards.

When and where do I send my disability documentation?

We encourage applicants for admission to send a copy of their disability documentation to the Office of Disability Support Services after the admissions process is completed and the student has decided to attend FDU. For students new to FDU or for existing students who wish to apply for adjustments/accommodations, documentation must be submitted by the following dates to allow a reasonable timeframe to accurately assess and approve adjustments/accommodations before the first day of classes:

- Fall Semester: July 1
- Spring Semester: January 2

Students can submit their documentation by uploading it to the secure online portal (myDSS), mailing it, or faxing it to the DSS office.

- To upload documentation to myDSS, please use the file upload link that was emailed to the student after completing the online application. This link will be sent to the email address provided in the application.

- To mail documentation
  Florham:

  Office of Disability Support Services
  285 Madison Avenue, M-M01-01
  Madison, New Jersey 07940

  Metropolitan:

  Office of Disability Support Services
  1000 River Road, T-RH5-03
  Teaneck, New Jersey 07666

- To fax documentation
  Florham: 973-443-8080

Metropolitan: 201-692-2425

Once applications are completed (i.e., an online application accompanied by supporting documentation), they will be reviewed by the Office of Disability Support Services.

If a student is receiving adjustments/accommodations elsewhere, will the student automatically qualify for the same at FDU?

No. The Office of Disability Support Services reviews a student's disability documentation according to FDU's guidelines. Therefore, students may or may not qualify for the same adjustments/accommodations at FDU that they have received elsewhere. For this reason, they are required to send a copy of their disability documentation to the Office of Disability Support Services.

Does the Office of Disability Support Services provide assistance for a temporary disability?

Yes. DSS provides academic adjustments/accommodations for a temporary disability. Adjustments/accommodations may differ from person to person depending on the student's disability.

What is the difference between the Office of Disability Support Services, the Regional Center for Learning Disabilities, and the COMPASS program in terms of providing academic accommodations?

The Office of Disability Support Services provides academic accommodations for students who have a physical or mental disability that substantially limits a major life activity, including learning, whereas, the Regional Center specifically focuses on the needs of students with language-based learning disabilities

For both departments, students must first be accepted to FDU through the general admission process. Admission to the Regional Center program is through a separate application process. The Regional Center provides individualized attention, tutorial support, and academic advising for students with language-based learning disabilities. Students accepted into the Regional Center program will receive all of their academic accommodations from that program.

In the event a student is not accepted to the Regional Center and the student is accepted at the university, the student can apply for academic accommodations from the Office of Disability Support Services.

COMPASS is an individually tailored, comprehensive, academic, and social support program for a limited number of college students with Autism Spectrum Disorder. Students accepted into the COMPASS program may also receive academic accommodations from the DSS Office.

Student Life Policies and Procedures

Students who accept enrollment at the University must abide by the rules and regulations promulgated from time to time by the University including, but not limited to, those rules and regulations in the *Undergraduate Studies Bulletin* and the *Graduate Studies Bulletin*. Students are expected to live up to the highest standards of academic integrity. Fairleigh Dickinson University will not tolerate academic dishonesty in any form. Students also should conduct themselves with decorum and responsibility and comply with the requirements of the applicable Code of Student Conduct and Community Standards as stated in the *Student Handbook*, available from the Dean of Students Office and on the FDU website (www.fdu.edu). The University reserves the right to dismiss or suspend students who fail to comply with the foregoing.

In addition to the Code of Student Conduct and Community Standards, prominent policies include:

- Title IX Sex Discrimination Policy
- Requirements for Demonstrations and Associated Activities

Additional policies and procedures are listed in the Policies and Procedures section of the Student Handbook.

Back to Top

Student Wellness Services

Overview and Mission

The mission of Student Wellness Services is to put students' health and wellbeing first. Student Wellness Services provides education, prevention, and intervention services with compassion for the FDU community. Our department has adapted a public health and trauma sensitive framework needed to support student wellbeing and cultivate a culture of wellness at the institution. Student Wellness Services includes two sub-units: the office of health wellness, which is responsible for preventive and acute health care, and the office of mental and emotional wellbeing which offers counseling to students and programs that will increase mental health literacy across the institution. We are a health center equipped with experienced mental health counselors, nurse practitioners and registered nurses who are available for student wellness needs. Student wellness services provide direct care, individual counseling services, health education and other supportive services. The department also offers small group workshops and community programs throughout the year on common health and wellness interests of the students.

Student Appointment Hours

CAMPUS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Florham	9:30AM to 4:30PM	9:30AM to 4:30PM	9:30AM to 4:30PM	10:30AM to 5:30PM	9:30AM to 4:30PM
Metro	9:30AM to 4:30PM	10:30AM to 5:30PM	9:30AM to 4:30PM	9:30AM to 4:30PM	9:30AM to 4:30PM

Florham Campus Locations

Office of Health Wellness

Located by the Danforth entrance, behind the softball field across from the Rutherford dorm, on the first floor

Office of Mental and Emotional Wellbeing

Located by the Danforth entrance, behind the softball field across from the Rutherford dorm, on the second floor

Metro Campus Locations

Office of Health Wellness

Located in the Student Union Building, on the second floor

Office of Mental and Emotional Wellbeing

Located on the Teaneck side of campus at the corner of Lone Pine Lane and University Drive

Our Framework

Student Wellness Services has adopted a public health model that is trauma sensitive and focuses on preventive care. We are dedicated to ensuring that students receive consistent health education and prevention that will reduce poor health outcomes and reduce high-acuity interventions. With that in mind, we've developed the E.P.I.C Care Model to frame our work. Educational, Preventive, Interventional and Compassionate Care. Using a tiered system, Student Wellness Services determines the appropriate treatment for students based on the presenting concerns with a primary focus on education and prevention.

Educational, Preventive, Interventional, Compassionate (EPIC) Care Model

Step 1: Education and Prevention

Student Wellness Services provides regular education and training opportunities to the FDU community in an effort to:

- Increase wellness literacy
- Destigmatize mental health
- Cultivate a culture of wellness embedded in the University

Step 1 Interventions

- Departmental Programs
- Avidon Health Courses
- Training and Development (MHFA, CPR/First Aid, Narcan, DEI&B)

Step 2: Screening and Assessments

Student Wellness Services provides screening and assessments to all students to determine the appropriate level of care. Our Wellness Coordinators, located at each campus, are the first point of contact for student referrals and inquiries.

Step 2 Interventions

- Health Wellness Visits
- Short Term Counseling provided by FDU
- FDU Student Wellness Services Case Management

Step 3: High Acuity and Risk

For students who need specialized care, Student Wellness Services provides assistance with referrals and resources. All providers who have completed step 2 interventions will provide case management services to ensure students are participating in longer-term specialized care and when appropriate will close most student cases.

Step 3 Interventions

- Psychiatric Services
- Crisis Intervention
- Long Term Outpatient Care with Partners (UWill, CBH Cares, Hope therapeutics)
- FDU Student Wellness Services Case Management

Treatment

Student Wellness Services staff at FDU provide emotional and health wellness support to students and assist them with problem solving. Our aim is to help students gain greater understanding of themselves and their values; identify problems — and attitudes and behaviors which may contribute to those problems; explore alternative courses of action, develop coping skills, and provide advocacy. When we identify issues, options, and resources, student problems may feel less overwhelming, and negative emotions may dissipate. FDU students often seek counseling because they experience personal, academic and/or social/interpersonal problems. FDU students often seek health wellness care because of the accessibility and the need for consistent provider support at their home away from home. Communications between students and counselors are confidential barring an emergency.

Consultation

Consultation is an important component of Student Wellness Services. FDU students, faculty and staff consult with our staff for many reasons. A student may recognize that a friend is experiencing distress and not know how to handle the situation. A faculty member or administrator may need guidance on how to assist a student with a mental health issue. A student may need support with medication management and administering to support a chronic disease.

Outreach

Student Wellness Services staff have presented and/or coordinated a variety of programs to promote health and wellness literacy and inform the campus community about our services. During the summer, our staff participate in various new student orientations and programs including those of EOF, Latino Promise, and the Bridge Program. They also disseminate health and wellness information via table events, class presentations, student organization events such as those organized by fraternities and sororities, and workshop series sponsored by other various departments.

[Back to Top](#)

Career Support

At Fairleigh Dickinson University, career support and development is dedicated to educating and empowering students through counseling, training and career-related programs. It encourages exploration and development in preparation for the "world of work" and/or further education, in pursuit of life balance and a fulfilling career. Career development supports Fairleigh Dickinson University's mission, providing students with career-related, intercultural and ethical opportunities and understandings necessary to participate, lead and prosper in the global marketplace of ideas, commerce and culture.

One-on-one career advising and assessment are offered to students, and advisers help students make informed decisions. Numerous workshops are provided that support students with each part of the job search and career selection process. A number of online resources are also available for students.

[Back to Top](#)

Libraries

Fairleigh Dickinson University maintains libraries at the Florham Campus in Madison and the Metropolitan Campus in Teaneck, both in New Jersey. The University also maintains libraries at its Wroxton College campus in England and the Vancouver campus in Canada that support the academic programs offered there.

Extensive reference collections are available at all campus libraries for consultation and research, with the library serving its campus as a center for education and learning. At the New Jersey campuses and Wroxton College campus, professional librarians offer individual assistance to students on mastering information literacy skills as well as classroom instruction in library use and research methodology.

Students and faculty on both New Jersey campuses have easy access to all FDU library materials through the online catalog. Intercampus loan requests can be delivered to the appropriate campus within two to three days. A user needing library materials not owned by FDU can access library holdings throughout the country with interlibrary loans. These can be requested either online or in person at any campus library.

FDU Library provides access to more 450,000 print books and eBooks, 20,000 print and online journal titles, 3,000 DVDs and online videos, and over 190 research databases. The library's online resources are available 24/7 both on and off-campus to current students, faculty and staff. The library is equipped with desktop computers, as well as laptops, copiers, and scanners for student use. Additionally, the Metropolitan Campus Library has two 3D printers and three group study rooms.

The FDU library digital collection consists of unique items from the University's archives and from distinctive collections developed in collaboration with non-library partners, related to both the history of northern New Jersey and the University. Materials include historical photographs and documents, student newspapers, digital artifacts, and maps. This collection is continually growing as the University works to preserve its heritage.

Mission Statement

Fairleigh Dickinson University Library supports the curricular objectives of the University, student success, faculty research, and lifelong learning through access to research resources, excellence in information literacy, and promoting the creation of new knowledge.

Values:

- **Knowledge**: nurture the attainment, application, creation and dissemination of knowledge by developing, maintaining, and providing access to a variety of information sources
- **Innovation**: provide resources and services that facilitate curiosity, discovery, and agility in responding to changing user needs
- **Personalized support**: deliver user-focused services and best practices to encourage lifelong learning.
- **Respect for diversity**: provide an inclusive atmosphere to foster a global, creative learning environment.

Metropolitan Campus

The Metropolitan Campus libraries include the Metropolitan Campus Library in Teaneck and the Business Research Library (Dickinson Hall) in Hackensack. Several special collections complement the library holdings including the Gehl collection of psychoanalytic materials, the Columbia film archives and selected presidential papers on microfilm. The Sammartino Room at the Metropolitan Campus Library houses some of the intellectual and historical heritage of the University including the monographs by the founder and first president of FDU, Peter Sammartino. This room also stores monographs published by FDU Press, *The Literary Review*, doctoral dissertations, and yearbooks. The Magister Room, which houses the campus's masters and honors theses and the J. Michael Adams Room which houses the International Association of University Presidents (IAUP) archives, completes the special collections suite at the Metropolitan Campus Library.

One of the campus's most prominent works of art is Epic of America, which hangs on the face of the Metropolitan Campus Library. The casting was created by artist William Zorach. He described the symbolism as "The Indians that possessed this land … left us a rich heritage — We are all sun worshippers, loving life and the great forces of creation, renewed each day and yet never the same." The flags represent all the flags that "have flown over this country until we were all united under one flag." The woman represents America itself, beautiful and full of fertile promise. And the man and the child represent "the spirit of enterprise and education, leading the new generation to carry on the work of today into the new visions of tomorrow — the new age flowing into life."

Florham Campus

At the Florham Campus, the library is part of the John and Joan Monninger Center for Learning and Research, along with the College Writing Department, the Academic Support Center, and the Office of Disability Support Services. The library plays a crucial role in supporting student academic success and retention by providing expert research assistance and valuable information resources, as well as a comfortable place to study.

The non-circulating print collections in the Monninger Center include the Douglas Lloyd Kahn Collection on the History of Photography and Film with some 4,400 plus titles; and the smaller, non-circulating collections of the Kushen Family Collection in memory of Betty Kushen, PhD, including special editions of 19th- and 20th-century British women writers; Literature by Black Authors, in particular, African-American writers in first editions; the Twombly estate collection; as well as the archives of Fairleigh Dickinson University founder Peter Sammartino; and the New York Cultural Center.

The older portion of the library building occupies the site of the greenhouses of the former Vanderbilt-Twombly estate. The large reading room and event space at the front of the building, the Orangerie, once held tropical plants and is all that remains of the original greenhouse-orangerie complex. The Fred Hassan Orangerie, designed by McKim, Mead, and White, faces Hennessy Hall across a wide expanse of lawn, which is part of the larger Frederick Law Olmsted-designed grounds.

Business Research Library

The Business Research Library (BRL) is located on the first floor of Dickinson Hall in Room 1194 on the Hackensack side of the Metropolitan campus. The newly renovated 2019 FDU Spirit Bridge over the Hackensack River connects the two sides of the Metropolitan campus. It is a short walk over the bridge from the FDU Metropolitan Campus Library in Teaneck to the Business Research Library in Hackensack. A river truly does run through our Metropolitan campus.

The BRL is primarily an electronic reference facility supported by professional librarians who assist all levels of students and faculty, both business and non-business, with their research and reference needs.

Wroxton College Library

The Wroxton College Library is in the heart of the Abbey, with beautiful views of the College grounds. The Library is made up of five separate rooms, housing over 17,000 books.

The Guilford Library is devoted to Literature, Drama, Poetry and Art. It also contains a selection of books on Architecture and Photography. The Guilford Library is a silent room, for those students that work best without any distractions. The Pope Library has books on International Business, Media and Communication, Psychology, Global Issues, the Anatomy of Britain, Education, Social Policy, Sociology, and Women and Race. The North Library contains our History and Politics sections.

The Reading Room serves the three libraries and the student body as a whole. Newspapers, journals, periodicals, magazines and a selection of novels are all available in the Reading Room. The George III Room houses the Bruce George collection. The collection covers a wide range of subjects, including history, politics, religion, sport, and entertainment.

The Library is open twenty-four hours a day, seven days a week and is solely for the use of the student body and College faculty. The FDU Digital Archives collection consists of unique items from the university's archives, including documents, photos and pictures from Wroxton's history both as an Abbey and latterly as a College.

Library Resources for Faculty

Librarians at FDU are dedicated to helping faculty and instructors incorporate information literacy into their courses, as well as find information to support their teaching and research needs. Library Liaisons are assigned to specific programs and schools to communicate library-related information, help fill specific requests, address concerns or hear suggestions. Consult with a librarian and see for yourself how the library can help you with:

- Integrating information literacy into existing curricula
- Teaching and assessing information literacy
- Incorporating open educational resources

- Creating course-specific research guides
- Embedding a librarian in your course
- Citation management
- Avoiding plagiarism
- Copyright questions
- So much more!

Visit the Library website for more information.

Contact

- Monninger Center (Florham Campus) at (973) 443-8516
- Metropolitan Campus Library (Metropolitan Campus) at (201) 692-2278
- Business Research Library (Hackensack) at (201) 692-2608
- For more information about the Wroxton College Library or Library Services at the Vancouver campus, please email the University Librarian at afontoura@fdu.edu

[Back to Top](#)

Bookstore

The Fairleigh Dickinson University Bookstore, operated by the Follett Higher Education Group, stocks all textbook and school supply needs, as well as emblematic FDU merchandise including clothing and giftware, postage stamps, reference and general-interest titles and software. Services include special orders, mail orders and web orders for textbooks.

The bookstore is open 24/7 by virtue of the website. Students can prepay for their books and avoid bookstore lines.

The bookstore conducts textbook "buyback" year-round, with 50 percent of the purchase price possible during the last two weeks of the semester. New textbooks must be in perfect condition.

Refunds and exchanges are accepted, with sale receipts, as follows:

- Fall/Spring Semesters: five days from first day of class, two days thereafter.
- Summer/Winter Sessions, MBA, paralegal: two days from first day of class.

[Back to Top](#)

Computer Facilities

Almost all students at the University make use of the campus computer centers, whether they are majoring in the sciences, engineering, business, education or liberal arts. The computers available feature a wide range of application software and programming languages for students in all disciplines.

To keep pace with changes in technology and increasing demands for memory and processing power, campus computing center computers are leased on a technology refresh program.

The Fairleigh Dickinson University Technical Assistance Center (UTAC) provides around-the-clock technical support services for more than 200 commercial off-the-shelf software applications, Google for Education, Microsoft and Macintosh (OS 8.x and higher) operating systems, all common browsers, WebCampus/BlackBoard, virtually all network connectivity options and password-reset support. This 24-hour helpdesk support is available to all students from the time they are officially admitted to the University.

Contact Information
973-443-8689

University Technical Assistance Center (UTAC) Help Desk

Student Clubs and Organizations

The University is home to 144 student clubs and organizations across the two New Jersey campuses, with a wide range of exciting opportunities also available at both FDU's Vancouver Campus and Wroxton College in England.

The Student Government Association (SGA) acts as the governing body of the students and is elected from and by the student body. Student government maintains a liaison with faculty and administration and offers student opinion as an aid in developing University policies.

Student clubs provide cultural, educational and social activities on each campus and are reflective of student interests. Student clubs may include groups focusing on topics from accounting to art, from literature to law, or from religion to radio.

Membership in fraternities and sororities is important to many of our students and the University supports many national Greek organizations that are reflective of our global campus community. The University also holds memberships in national honorary and service organizations.

MAJORS, MINORS, AND CERTIFICATES (A-Z LISTINGS)

DEGREES INCLUDING COMBINED DEGREES

Accounting BS

Did You Know…

- FDU accounting students have scored #1, 3, and 5 on the Certified Public Accountant Exam in New Jersey.
- Most accounting majors receive job offers one year before they graduate.
- Students in the 4 Plus 1 Combined Degree Program can graduate with a BS and MS degree in five years.
- The New Jersey Society of Certified Public Accountants (NJSCPA), the Public Company Accounting Oversight Board (PCAOB), Silberman College of Business, and others regularly award scholarships to FDU students. Read about available scholarships for accounting undergraduate students.
- The accounting program has earned endorsement by the IMA (Institute of Management Accountants) for meeting high educational standards, enabling students to pursue the Certified Management Accountant (CMA) credential.
- Our accounting program received a national award for innovation.
- Three FDU faculty have been honored with NJSCPA Outstanding Educator Awards.

- Public accounting firms are restricting recruiting only to colleges like FDU that qualify students for the Certified Public Accountant exam.
- Eduniversal has ranked FDU's MS in Accounting program 20th in North America. The 4 star ranking earned by MS Accounting program puts FDU on par with the likes of Columbia University, Wharton School at University of Pennsylvania, Babson, and other highly regarded schools. Eduniversal is a global leader in higher education information. Their goal is to provide students worldwide with the tools to find the best education opportunities. Each year, more than 4 million students use Eduniversal in their search for the right program.

Degree Requirements

BS in Accounting Degree Requirements include seven required courses for the major, fulfillment of the University and Business Core Curriculum and a minimum of 120 total credits.

Freshman year, you'll take introductory courses in business, management information systems and mathematics along with the core curriculum and courses in the humanities and social sciences.

Your second year, you'll take introductory accounting courses and business courses in various disciplines. Heavy concentration in accounting major courses begins in your third year.

Required Courses

- [ACCT3241](#) Intermediate Financial Accounting I
- [ACCT3242](#) Intermediate Financial Accounting II
- [ACCT3243](#) Cost Accounting: Measurement and Control
- [ACCT3390](#) Accounting Information Systems
- [ACCT4261](#) Advanced Accounting
- [ACCT4263](#) Auditing Concepts
- [ACCT4267](#) Fundamentals of Federal Taxation

Students with specific questions about the degree requirements should contact their advisor on their home campus. Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Combined BS-MS in Accounting Degree Option

If you intend to pursue a master's degree consider our BS-MS Accelerated Degree Program.

For More Information

If you are a prospective student and would like information about applying to Fairleigh Dickinson University, please contact the Office of Admissions at (973) 443-8900 for the Florham campus or (201) 692-7308 for the Metro campus or via email.

If you would like information regarding the majors, courses or careers paths, please contact an advisor.

[Back to Top](#)

Accounting BS, Accounting MS: combined degree

This item represents an archival copy of content posted to FDU.edu. It was retrieved from FDU.edu on **11/14/2024, 15:26:19**. Current policies, regulations and content may differ.

Did you know….

- FDU accounting students have scored number 1, 3 and 5 on the Certified Public Accountant Exam in New Jersey.
- Our accounting program received a national award for innovation.
- Most accounting majors receive job offers one year before they graduate.
- The NJ Society of CPAs, Silberman College of Business, and others award scholarships to FDU students. Read about available scholarships for accounting undergraduate students.
- Three FDU faculty have received the NJCPA Outstanding Educator Award.

- Certified Public Accounting firms are restricting recruiting only to colleges like FDU that qualify students for the Certified Public Accountant exam.
- Students in 4 Plus 1 can graduate with a BS and MS degree in five years.

This cutting-edge program is open to any accounting major at the University. It features state-of-the-art studies in accounting, taxation, law, and information systems designed to prepare students for employment in either the public or private accounting sector.

For more information, please reach out to SCBGradAdvising@fdu.edu.

Frequently Asked Questions

Is the GRE or GMAT required for graduate admission?
The GMAT (or GRE) is no longer required for admissions into our graduate programs as long as you meet other requirements for admissions. Please review our admissions requirements for graduate programs at the Silberman College of Business.

Does the University require original documents?
All documents, including transcripts, letters of recommendation, test scores and bank statements must be originals or notarized copies. In addition, notarized or attested English translations of foreign transcripts are required. Facsimiles (faxes), scanned documents or photocopies are not acceptable. Once submitted, all documents become the property of the University and cannot be returned.

I only have a three-year bachelor's degree. Can I apply for admission to a master's degree program?
A minimum of four years of undergraduate study, or the equivalent, is required for admission. Students with a three-year bachelor's degree may apply for the Bridge program.

What are the requirements needed to be met in order to sit and get licensed for the NJ CPA exam?
Candidates who graduated after July 1, 2000 may sit for the exam with a Bachelors degree earned at a regionally accredited University and 120 semester hours. However, these candidates are required to meet 150 semester hours to be licensed. See more information concerning the NJCPA exam.

In Sep 2015, New Jersey adopted new regulations. Effective July 1, 2017, candidates need to have completed 24 accounting credits and 24 business credits to sit for the CPA exam.

Does the BS-MS program satisfy the CPA exam requirements?
YES. The BS-MS program meets the current CPA exam education requirement for New Jersey for students that have an undergraduate degree in business. For students who do not have prior business courses, additional business courses are required. New Jersey requires candidates for the CPA exam to have 24 accounting credits and 24 business credits.

The combined-degree program is offered by the department of accounting, taxation, law, and information sciences, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

Admission Requirements

In order to participate in the combined undergraduate-graduate degree (4 Plus 1) program, all students must be current undergraduate Silberman College of Business students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MS in Accounting only:** Students must be majoring in Accounting and have a minimum CGPA of 3.00 in accounting classes. Any accounting minors, or anyone not meeting the minimum CGPA should reach out to SCBGradAdvising@fdu.edu for further advisement to determine whether this program is suitable.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

BS-MS in Accounting Curriculum

In addition to completing the undergraduate business and university core classes, you will complete the curriculum requirements listed below. Beginning with the seventh semester, you will also complete at least two graduate courses; one course in each of the remaining undergraduate semesters (fall and spring). The remaining graduate courses will be completed during your fifth year. Internships and work programs during the graduate portion of the program also are available, including a co-op program (beginning in academic year 2025-2026). Students who apply and are accepted into the co-op program may be eligible to earn 12 credit hours through approved full-time work experience.

The structure of the BS-MS Accounting program allows you the ability to continue your study of accounting, earning a Master of Science in Accounting, while also preparing yourself for the CPA examination. Students looking to meet the CPA credit requirement will find that FDU's 4 Plus 1 BS-MS Accounting degree allows you to do so while attaining a deeper understanding of accounting theory, concepts, and practices.

For the 4 Plus 1 accounting program, **the GMAT (or GRE), if required, must be taken before the start of senior year.**

Undergraduate Major Accounting Courses

NOTE: Must earn a grade of "C" or better in these courses for undergraduate graduation requirements. Students applying to the 4 Plus 1 program should anticipate earning a B average or better among undergraduate major accounting courses.

- [ACCT3241](#) Intermediate Financial Accounting I
- [ACCT3243](#) Cost Accounting Measurement & Control
- [ACCT3242](#) Intermediate Financial Accounting II
- [ACCT3390](#) Accounting Information Systems
- [ACCT4261](#) Advanced Accounting
- [ACCT4263](#) Auditing Concepts

- [ACCT4267](#) Fundamentals of Federal Taxation

Graduate Courses

For students who are accepted in the 4 Plus 1 Accounting Program, the following core courses are required:

- [ACCT6606](#) Federal Tax II
- [ACCT6680](#) Advance Financial Reporting Topics
- [ACCT6682](#) Advanced Auditing with Data Analytics
- [ACCT7720](#) Data Analytics, Accounting Skills
- [ACCT7740](#) Advanced Accounting Information Systems
- [LAW6657](#) Applied Business Law

Graduate Accounting Electives (12 credits)

- [ACCT6690](#) Seminar: Accounting & Audit Case Studies
- [DSCI6400](#) Data Analytics
- [MIS6400](#) Information Systems for Managers

and any one of the following classes:

- [ACCT7701](#) International Accounting
- [ACCT7702](#) Forensic Accounting and Litigation Support Services
- an approved graduate business course in taxation, or other discipline offered through the Silberman College of Business

Students who are accepted into the co-op program (beginning with the 2025-2026 academic year) can apply 12 credits as graduate accounting electives.

Useful Links Related to CPA

AICPA – American Institute of Certified Public Accountants

NASBA – National Association of State Boards of Accountancy

NJSCPA – New Jersey Society of Certified Public Accountants

Uniform CPA Exam

Steps to Becoming a CPA

The CPA educational requirements that must be met by applicants in order to qualify to take the CPA exam vary by state. Additional requirements may apply for licensure, such as work experience, and these, again, may vary by state. In order to determine these requirements, please go to www.NASBA.org.

Lastly, the following CPA review providers may also compile state-specific CPA requirements:

- Becker CPA Review
- UWorld Roger CPA Review
- Wiley CPAExcel
- Surgent CPA Review
- Yaeger CPA Review

Allied Health Technologies BS (Health Science Concentration): Degree Completion Program

The Bachelor of Science (BS) in Allied Health Technology COMPLETION PROGRAM is designed for the licensed or certified Allied Health professional who has completed an Associate degree program or hospital-based education program. **Many students will be able to achieve the BS degree in as few as 30 credits.** The program can be taken on a full-time or part-time basis, with most courses available in online, asynchronous format.

Individual program plans are based upon a student's prior learning:

- Completion of AA or AS degree program in NY or NJ, or
- Completion of AAS degree program, or other AA or AS degree program +/- additional credits, or
- Completion of Hospital-Based training program +/- additional credits.

A minimum of 120 credits is required for graduation, of which 30 credits must be taken at FDU.

Students who have completed the requirements for license/certification in a recognized allied health profession and are currently licensed/certified in the specialty, will receive 30 credits for prior learning (contingent upon review of documentation) toward the BS degree.

Students with an AA or AS degree in NY or NJ will ALSO: (1) receive 60 credits toward the BS degree; (2) have GenEd requirements waived; and (3) be able to substitute major electives for University Requirements (6 credits).

Students with AA or AS degree from another state, or students with an AAS degree will ALSO: (1) be able to transfer up to 60 credits toward the BS degree, including to complete GenEd requirements; and (2) be able to substitute major electives for University Requirements (6 credits).

Students who completed a hospital-based training program will ALSO (1) receive 30 credits toward the BS degree; and (2) be able to transfer up to 30 credits from an approved university toward the BS degree, including to complete GenEd requirements.

Admission Requirements

- License/certification in recognized allied health profession.
- Evidence of potential to succeed in college.

Curriculum

Modified BS General Education Requirements

GenEd requirements are waived for students who completed an AA or AS degree program in NY or NJ. Transfer credits (from recognized institutions) can be applied to fulfill GenEd requirements for other students.

- MEDT1130 Bioethics – 3 credits
- WRIT1002 Composition I: Rhetoric and Inquiry – 3 credits
- WRIT1003 Composition II: Research and Argument – 3 credits
- Inquiry in the Arts & Humanities – 3 credits
- Information & Technology Literacy – 3 credits

University Requirements (6 credits)

Students who completed an AA or AS degree program in NY or NJ may take a NURS or MEDT elective course in lieu of UNIV2001 and/or UNIV2002 (up to 6 credits). Transfer credits cannot be applied to fulfill these University Requirements.

- UNIV2001 Cross-cultural Perspectives
- UNIV2002 Global Issues

Major Elective Requirement (minimum 15 credits)

Transfer credits cannot be applied to fulfill these requirements. Students will choose among NURS or MEDT courses such as these and others:

- MEDT3204 Social Determinants of Health
- MEDT2217 Information Systems and Applications in Healthcare
- MEDT4430 Utilization of Healthcare Research
- MEDT4304 Population Health
- MEDT3351 Epidemiology in Healthcare
- MEDT3208 Introduction to Healthcare Economics
- MEDT4301 American Health Care
- MEDT3353 Introduction to Normal and Therapeutic Nutrition
- MEDT4302 Health Care Law and Policy
- MEDT4308 Management Principles for Healthcare
- MEDT4303 Introduction to Global Health
- MEDT2006 Medical Terminology

Free Elective Requirement (up to 9 credits)

Transfer credits cannot be applied to fulfill these requirements

Cost of Attendance

Students can complete this degree program in as little as one year (i.e., 15 credits in Spring and 15 credits in Fall) as a full-time student. The tuition rate for full-time students is discounted from the individual credit rate and can be found on the FDU tuition webpage. All full-time applicants are automatically considered for merit awards. Merit awards are based on the student's cumulative college GPA and range up to $16,000/year. Many regional healthcare organizations also offer special pricing and/or tuition support for FDU programs – please inquire with your employer.

There is also a significant tuition discount for part-time students in this program track, such that degree completion can often be achieved for under $20,000 (and often can be covered in full by employee tuition assistance programs). Please see our allied health home page for the current tuition discount for students pursuing a completion degree.

Contact Information
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201-692-2388
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Back to Top

Allied Health Technology BS (Radiologic Technology concentration)

Radiologic ("X-ray") Technologists are the medical personnel who perform diagnostic imaging examinations. Radiologic Technologists provide services in hospitals, clinics, and imaging centers. At the completion of the Radiologic Technology five-year Bachelor of Science Program, students will be prepared for a career as a Radiologic Technologist. All programs prepare students to carry out traditional X-ray imaging, and some also prepare students to perform bone densitometry and inject contrast media.

Graduates can also pursue additional post-graduate training to obtain a specialization certificate, such as for computed tomography (CT), mammography, magnetic resonance imaging (MRI), medical dosimetry, nuclear medicine, or diagnostic radiography.

- Employment rate in various healthcare agencies in the tri-state area: 100%.
- Salary and benefits after licensure: >$75,000/year plus benefits package including health and dental care.

The **BS in Allied Health Technology/Radiologic Technology Concentration** is a five-year Bachelor of Science degree program. This "3 + 2" format provides an appropriate pace to succeed academically and develop strong clinical skills so that they are confident embarking on their careers. This program requires that students complete 90 credits at FDU (approximately 3 years), and then enroll and successfully complete an accredited *Joint Review Committee in Education in Radiologic Technology* (JRCERT) hospital certificate program. The JRCERT hospital certificate program, which includes a large proportion of hands-on experience, is approximately 2 years (18-24 months) in length.

Several JRCERT hospital certificate program options are available to FDU students through our numerous articulation agreements. JRCERT programs are independent of FDU (i.e., requires separate application and acceptance is not guaranteed by FDU). Financial aid is also not available through FDU when attending the JRCERT program, however many JRCERT programs offer their own financial aid. Tuition is paid directly to the JRCERT program during this phase of study. Students will consult with their advisor during their first year to identify an appropriate JRCERT program for completing the hospital-based component of this degree program.

JRCERT Articulations for FDU Students

Admissions requirements and application instructions are available on the websites of these respective JRCERT partners:

Hackensack Meridian Health JFK Muhlenberg Snyder Schools of Nursing and Medical Imaging

- Location: 1200 Randolph Road, Plainfield NJ 07060.
- Contact: Theodora Muso, Admissions Recruiter (theodora.muso@hmhn.org, 908-668-2471).

- Zoom information sessions every 2^(nd) and 4^(th) Wednesday of month, at 2 pm ET.
- Clinical rotation changes every semester affiliated clinical sites: JFK Medical Center, Hackensack University Medical Center, Bayshore Medical Center, Barnabas Health, Summit Medical Group, Trinitas Regional Medical Center, NJ Imaging Network, and others.
- Dedicated clinical preceptors across all clinical sites, for entirety of shift.
- Full semester of Computed Tomography (CT) skills and training.
- Dormitory facilities and financial aid available.

VALLEY HEALTH SYSTEM School of Radiography

- Ridgewood and Paramus, New Jersey
- Contact: Robin Schild, Program Director (rschild@valleyhealth.com or (201) 447-8221).
- Financial aid available, per website.

CENTER FOR ALLIED HEALTH EDUCATION (CAHE) Radiography Program

- Brooklyn, NY
- Phone inquiries: (855) 645-3500 or (718) 645-3500.
- Financial aid available, per website.
- CAHE also offers a Radiation Therapy program (inquire for details).

ENGLEWOOD MEDICAL CENTER School of Radiography

- Englewood, New Jersey.
- Phone inquiries: (201) 894-3481.

Sites Associated with HUDSON COMMUNITY COLLEGE Radiography Program

- Jersey City, New Jersey.
- Phone inquiries: (201) 360-4782.
- Financial aid available, per website.

Admission Requirements

- Graduation from an accredited secondary school with a record indicating the potential to succeed in college will be considered for admission to the FDU BS in Allied Health Technology/Radiologic Technology Concentration.
- Completion of the following high school studies:
    - 4 units of English
    - 1 unit of Chemistry + Lab
    - 2 units of History
    - 1 unit of Biology + Lab
    - 2 units of college preparatory Mathematics

- At least 16 high school academic units
- Secondary school GPA of 2.7 or higher

Admission to JRCERT Hospital Certificate Program

- Students will submit a separate application in the second year at FDU.
- Admission decisions to JRCERT programs are made in accordance with criteria, policies and procedures established by the hospital program and cannot be guaranteed by FDU.
- Students generally **need to maintain at least a 2.5 GPA** in major and prerequisite courses at FDU to be considered for admission to a JRCERT program.

Curriculum *(Updated for Fall 2024)*

A minimum of 120 credits is required for graduation from the FDU BS in Allied Health Technology degree program. *After completion of 3 years of study at FDU (minimum 90 credits, of which 40 are GenEd, 20 are courses in the major, and 30 are courses in the Radiologic Technology concentration), the program is completed in 24 months at a JCERT Accredited Hospital Program (additional 30 credits).*

**Accuplacer reading/writing scores and math assessment scores will determine which reading/writing and math courses first time, first year students will take. Those with reading/writing placement scores below the standards must complete courses in prerequisite skills (e.g., WRIT1000, WRIT1001, READ1000). Those with math placement scores below the standards must complete courses in prerequisite skills (e.g., MATH0298, MATH1100). These credits are applied toward free electives or are

non-credit-bearing. **This requirement applies to all first time, first year students, even if they have been accepted into this program track.**

General Education Requirements (40 credits)

- **Written & Oral Communication (9 credits)**
  - WRIT1002 Composition I: Rhetoric and Inquiry
  - WRIT1003 Composition II: Research and Argument
  - Oral Communication: Select from GenEd options

- **Information and Technological Literacy (3 credits)**
  - MEDT2217 Info Systems and Applications in Health Care

- **Ethical Reasoning (3 credits)**
  - MEDT1130 Bioethics

- **Global and Cultural Understanding (3 credits)**
  - UNIV2001 Cross-cultural Perspectives

- **Scientific and Quantitative Analysis (8 credits)**
  - BIOL2203/BIOL2223 Anatomy and Physiology I + Lab
  - MATH1107 Precalculus

- **Social and Behavioral Analysis (6 credits)**
  - Social Science: SOCI1201 Introduction to Sociology
  - Behavioral Science: PSYC1201 General Psychology

- **Inquiry in the Arts & Humanities (6 credits)**
  - Creative & Expressive Arts: Select from GenEd options
  - Humanities: Select from GenEd options

- **University Core (2 credits)**
  - UNIV1001 Transitioning to University Life
  - UNIV1002 Preparing for Professional Life

Allied Health Technology Major Requirements (20 credits)

- MEDT3204 Social Determinants of Health
- MEDT4430 Utilization of Healthcare Research

- STATISTICS: Select either MATH1133 Applied Statistics *OR* PSYC2210 Psychological Statistics
- MEDT2210 Pathophysiology
- BIOL2204/BIOL2224 Anatomy and Physiology II + Lab
- CHEMISTRY Foundation: CHEM1201/CHEM1203 General Chemistry I + Lab; CHEM1211 General Chemistry Recitation

Additional Requirements – Radiologic Technology Concentration (27 credits + 3 elective credits)

- MEDT2006 Medical Terminology
- CALCULUS: Select either MATH1201 Calculus I or MATH1203 Calculus I
- BIOL1221/BIOL1222 Biological Diversity and Lab; BIOL1223 Biological Diversity Recitation
- BIOL1233/BIOL1234 Molecules, Cells and Genes + Lab; BIOL1235 Molecules, Cells and Genes Recitation
- BIOL3050/BIOL3051 Molecular Cell Biology + Lab
- CHEM1202 /CHEM1204 General Chemistry II + Lab; CHEM1212 General Chemistry II Recitation
- PHYS2201/PHYS2203 Physics Laboratory I + Lab
- Electives in the major (minimum 3 credits – select from NURS or MEDT courses)

Hospital Internship (4th-5th Year) Requirements (30 credits)

- MEDT4205 Clinical Laboratory Education I (0 credits)
- MEDT4206 Clinical Laboratory Education II (0 credits)
- MEDT4207 Clinical Laboratory Education I (0 credits)
- MEDT4208 Clinical Laboratory Education II (0 credits)

- Students will be awarded 30 credits for conferral of the hospital certificate. During the hospital internship, students will be enrolled at FDU in MEDT4205/MEDT4206/MEDT4207/MEDT4208 (nominal fee) to assure matriculation maintenance and access to select FDU support services. Financial aid is not available through FDU when attending the JRCERT program, however many JRCERT programs offer their own financial aid. Tuition is paid directly to the JRCERT program during this phase of study.

- During the hospital internship, students may be asked to report to a laboratory site five days a week.

Contact Information
Drew Minardi or Jacqueline Bonaparte
201-692-2388
snah-hs@fdu.edu

[Back to Top](#)

Allied Health Technology BS (Respiratory Care concentration)

Respiratory Therapists are in high demand to care for the increasing number of people with acute and chronic breathing disorders. They treat a range of patients, from premature infants whose lungs are not fully developed to elderly people with lung disease. They give patients oxygen, manage ventilators, and administer drugs to the lungs. Respiratory therapists primarily work in hospitals, but many also start their own respiratory care companies or move into equipment marketing and sales. After completing a respiratory therapy degree program, graduates must take the certification exam to become a certified respiratory therapist or a registered respiratory therapist. Every state (except Alaska) requires that respiratory therapists also obtain a state license.

The **Bachelor of Science (BS) in Allied Health Technology/Respiratory Care Concentration** is a four-year program that provides the graduate with the knowledge, skills, and clinical experience to perform entry-level competencies as a Respiratory Therapist/Respiratory Care Practitioner in a range of health care settings. In addition, the program will provide curricular content including management, quality, finance, research, and advanced clinical practice for the graduate Respiratory Care Practitioner, to assume leadership roles in the health care profession.

We are currently approved by the New Jersey Presidents' Council (NJPC) to administer this degree program and are awaiting Commission on Accreditation of Respiratory Care accreditation prior to enrolling students. If you are interested in becoming a Respiratory Therapist, please contact Professor Smith-Wenning (k.smithwenning@fdu.edu) for the most updated information on student enrollment in this track.

Program Goals

In accordance with the Commission on Accreditation of Respiratory Care (CoARC), the primary objectives for this program are:

- To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by Registered Respiratory Therapists (RRTs)
- To prepare leaders for the field of respiratory care by including curricular content with objectives related to the acquisition of skills in one or more of the following: management, education, research and advanced clinical practice (which may include an area of clinical specialization).

Admission Requirements

Graduation from an accredited secondary school with a record indicating the potential to succeed in college will be considered for admission to the FDU BS in Allied Health Technology/Respiratory Therapy Concentration:

Secondary school GPA of 2.7 or higher.

Completion of at least 16 high school units including the following high school studies:

- 4 units of English
- 1 unit of Chemistry + Lab
- 2 units of History
- 1 unit of Biology + Lab
- 2 units of college preparatory Mathematics

Curriculum *(under review)*

A minimum of 120 credits is required for graduation from the FDU BS in Allied Health Technology degree program.

Accuplacer reading/writing scores and math assessment scores will determine which reading/writing and math courses first time, first year students will take. Those with reading/writing placement scores below the standards must complete courses in prerequisite skills (e.g., WRIT1000, WRIT1001, READ1000). Those with math placement scores below the standards must complete courses in prerequisite skills (e.g., MATH0298, MATH1100). These credits are applied toward free electives or are non-credit-bearing. **This requirement applies to all first time, first year students, even if they have been accepted into this program track.

General Education Requirements (43 credits)

- **Written & Oral Communication (9 credits)**
    - WRIT1002 Composition I: Rhetoric and Inquiry
    - WRIT1003 Composition II: Research and Argument
    - Oral Communication: Select from GenEd options

- **Information and Technological Literacy (3 credits)**
    - MEDT2217 Info Systems and Applications in Health Care

- **Ethical Reasoning (3 credits)**
    - MEDT1130 Bioethics

- **Global and Cultural Understanding (6 credits)**
    - UNIV2001 Cross-cultural Perspectives
    - UNIV2002 Global Issues

- **Scientific and Quantitative Analysis (8 credits)**
    - BIOL2203/BIOL2223 Anatomy and Physiology I + Lab
    - Select from: MATH1105 College Algebra; *OR* MATH1107 Precalculus; *OR* MATH1201 Calculus I; *OR* MATH1203 Calculus I

- **Social and Behavioral Analysis (6 credits)**
    - Social Science: SOCI1201 Introduction to Sociology
    - Behavioral Science: PSYC1201 General Psychology

- **Inquiry in the Arts & Humanities (6 credits)**
    - Creative & Expressive Arts: Select from GenEd options
    - Humanities: Select from GenEd options

- **University Core (2 credits)**
    - UNIV1001 Transitioning to University Life
    - UNIV1002 Preparing for Professional Life

Allied Health Technology Major Requirements (20 credits)

- MEDT3204 Social Determinants of Health
- MEDT4430 Utilization of Healthcare Research
- STATISTICS: Select either MATH1133 Applied Statistics *OR* PSYC2210 Psychological Statistics
- MEDT2210 Pathophysiology
- BIOL2204/BIOL2224 Anatomy and Physiology II + Lab
- CHEMISTRY Foundation: CHEM1107/CHEM1117 Chemistry for Health Sciences + Lab

Allied Health Technology – Respiratory Care Concentration (57 credits)

- BIOL2204/BIOL2224 Anatomy and Physiology II + Lab
- BIOL2125/BIOL2126 Microbiology for Health Sciences + Lab
- MEDT4302 Health Care Law and Policy
- MGMT2600 Organizational Behavior
- RESP1001 Foundations of Respiratory Care
- RESP1011 Foundations of Respiratory Care Lab
- RESP1041 Core Concepts in Respiratory Care
- RESP1021 Cardiopulmonary Pharmacology
- RESP1031 Cardiopulmonary A&P
- RESP1201 Clinical Experience I
- RESP2001 Cardiopulmonary Pathophysiology
- RESP2051 Cardiopulmonary Evaluation
- RESP2011 Mechanical Ventilation I
- RESP2021 Mechanical Ventilation Lab I
- RESP2120 Clinical Experience II
- RESP2061 Neonatal/Pediatric Respiratory Care
- RESP2071 Neonatal/Pediatric Lab

- [RESP2081](#) Respiratory Care in Alternate Care Sites
- [RESP2011](#) Mechanical Ventilation II
- [RESP2021](#) Mechanical Ventilation Lab II
- [RESP2120](#) Clinical Experience III
- [RESP2111](#) Special Topics in Respiratory Care
- [RESP2121](#) Evidence Based Practice
- [RESP2120](#) Clinical Experience IV
- [RESP4001](#) Application of Advanced Respiratory Care
- [RESP4002](#) Education, Leadership and Interprofessional Communication

Effective March 8, 2024, Fairleigh Dickinson University is a candidate for initial accreditation by the Commission on Accreditation for Respiratory Care (CoARC) for a respiratory care program. Fairleigh Dickinson University can provide no assurance that accreditation will be granted by the CoARC.

Contact Information

Kathy Smith-Wenning or Jacqueline Bonaparte
k.smithwenning@fdu.edu
(201) 692-2388

[Back to Top](#)

Art BA

About the Program

The BA Art program is designed to give students interested in visual arts a space to explore their interests, learn new techniques, gain experience with critique as well as insight into the arts industry. By entering into the program, you will join peers and instructors who are passionate about communicating through the visual media and creating rich experiences for audiences. The program also features concentrations that target a variety of art techniques and styles. Please see the description of each concentration below.

Degree Requirements

Students majoring in art must complete 42 credits of course work in art, 52 credits of liberal arts core requirements and a 15-credit minor concentration. Each of the separate concentrations has groups of required courses in its areas of specialization. Guidance by the students' individual advisers is essential in guiding them through each specialization.

The required courses in art are designed to provide students interested in the visual arts with a strong foundation program of 24 credits in drawing, design, color, and art history. Additionally, in the senior year, a 6-credit senior project and seminar are required for the degree.

The remaining 15 credits (for a total of 42) may be taken in a variety of art electives, as well as required courses for the concentrations in arts management, computer art and design, graphic art and design, and painting and/or drawing.

Program Learning Objectives

By the end of the program, students will:

1. Articulate their individual global aesthetic sense
2. Demonstrate the ability to use a variety of skills and techniques in the art-making process
3. Develop problem solving skills
4. Demonstrate critical thinking and research techniques as a part of the visual problem solving method of creativity

Possible Career Paths

The world of arts careers is vast and ever-changing. The U.S. Bureau of Labor Statistics points to several possible career paths graduates of this degree can pursue:

- Artist/art director
- Designer/ graphic designer
- Interior design/fashion
- Editor/content creator
- Photographer
- Technical writer/creative writer

Program Outline

Except for the freshman foundation courses (which must be scheduled in the first and second semesters as indicated below), the semester assignment of courses in this outline is only suggested. Students have the option of distributing the electives, with the approval of their adviser, among the semesters as they deem appropriate.

Required Courses

Freshman Foundation Required Art Courses

First semester

- [ART1141](#) Two-dimensional Design
- [ART1151](#) General Drawing I

Second semester

- [ART1144](#) Color Theory I
- [ART1153](#) Life Drawing I

General Requirements

Third semester

- [ART1107](#) Development of Art I
- [ART1108](#) Development of Art II

Remainder

- [ART1120](#) Modern Art to Mid-century
- [ART4821](#) Portfolio

Computer Art and Design Concentration

The computer art and design concentration focuses on the interactive world of broadcast, 3D, gaming, and animation. Students learn principles of 3D modeling, animation, and interactivity including texture, lighting, and camera action.

Major Requirements (18 credits)

- [ART1107](#) Development of Art I
- [ART1108](#) Development of Art II
- [ART1141](#) Two-dimensional Design or [ART1142](#) Three-dimensional Design
- [ART1144](#) Color Theory I
- [ART1151](#) General Drawing I or [ART1161](#) Painting I
- [ART4821](#) Portfolio

Major Concentration (15 credits)

Choose five from the following courses:

- [ART1177](#) Introduction to Digital Media
- [ART1178](#) Multimedia on the Internet
- [ART1192](#) Digital Photography I
- [ART1843](#) Design for the Web
- [ART2271](#) Adobe® After Effects: Broadcast Graphics
- [ART2274](#) Computer 3-Dimensional Modeling
- [ART2294](#) 2-D Computer Animation
- [ART2295](#) 3D Computer Animation
- [CSCI3317](#) Computer Game Programming

Graphic Art and Design Concentration

The graphic art and design concentration exposes students to all aspects of graphic design and data visualization with outputs to print, web and smart devices.

Major Requirements (18 credits)

- [ART1107](#) Development of Art I
- [ART1108](#) Development of Art II
- [ART1131](#) History of Graphic Design and Illustration
- [ART1144](#) Color Theory I
- [ART1151](#) General Drawing I or
  [ART1161](#) Painting I
- [ART4821](#) Portfolio

Major Concentration (15 credits)

Choose five from the following courses:

- [ART1141](#) Two-dimensional Design
- [ART1167](#) Collage and Mixed Media
- [ART1174](#) Desktop Publishing I
- [ART1177](#) Introduction to Digital Media
- [ART1179](#) Digital Illustration and Design
- [ART1192](#) Digital Photography I
- [ART2215](#) Photoshop® for Advertisement and Illustration

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Metro Campus: Graphic and Computer Art & Design

[Back to Top](#)

Biochemistry BS

The Bachelor of Science with a major in biochemistry program is designed for students who plan to enter graduate school or the chemical or pharmaceutical industry. In particular, it is ideal for the pre-professional student preparing for admission into a school of medicine, dentistry, veterinary medicine or physical therapy. The curriculum is certified by the American Chemical Society. (Florham)

The biochemistry curriculum is particularly well suited to premedical students. Entrance requirement for most medical schools require an undergraduate program to include a two semesters of biology, physics, English composition, and some calculus in addition to a strong chemistry background. Pre-professional counseling for science and health careers is available on campus.

Program Learning Outcomes

At the conclusion of this program, graduates will be able to:

- Demonstrate a solid foundation in biochemistry including the vocabulary, concepts, methods, and procedures that will allow them to be competitive when entering industry, graduate, and professional schools.
- Write and speak clearly on biochemical topics and demonstrate a mastery of these topics through their written and oral communications.
- Excel at utilizing information resources including primary and secondary literature in the field using modern tools to locate and retrieve scientific information.
- Demonstrate qualitative and quantitative critical reasoning skills allowing them to interpret experimental data and evaluate its significance.
- Use standard laboratory equipment, modern instrumentation, and classical techniques to carry out experiments while following proper procedures and regulations for safe handling and use of chemicals and equipment.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Semesters 1 and 2

- [CHEM1201](#) General Chemistry I Lecture
- [CHEM1203](#) General Chemistry I Laboratory
- [CHEM1202](#) General Chemistry II Lecture
- [CHEM1204](#) General Chemistry II Laboratory

Semesters 3 and 4

- [CHEM2261](#) Organic Chemistry I Lecture
- [CHEM2263](#) Organic Chemistry I Laboratory
- [CHEM2262](#) Organic Chemistry II Lecture
- [CHEM2264](#) Organic Chemistry II Laboratory

Semesters 5

- [CHEM3241](#) Physical Chemistry I Lecture
- [CHEM3243](#) Physical Chemistry I Laboratory
- [CHEM3281](#) Biochemistry I Lecture

- CHEM3389 Biochemistry I Laboratory

Semester 6

- CHEM3242 Physical Chemistry II Lecture
- CHEM3244 Physical Chemistry II Laboratory
- CHEM3282 Biochemistry II Lecture
- CHEM4401 Chemistry Seminar

Semester 7

- CHEM2211 Inorganic Chemistry Lecture
- CHEM2221 Analytical Chemistry Lecture
- CHEM2223 Analytical Chemistry Laboratory

Semester 8

- CHEM2314 Inorganic Chemistry Laboratory
- CHEM4233 Instrumental Analysis Lecture
- CHEM4234 Instrumental Analysis Laboratory
- CHEM4215 Advanced Inorganic Chemistry (or)
- CHEM4373 Polymer Chemistry

Cognate Requirements

Semesters 1 and 2

- MATH1201 or MATH1203 Calculus I
- MATH2202 Calculus II
- BIOL1221 / BIOL1222 Biological Diversity Lecture / Laboratory
- BIOL1233 / BIOL1234 Introduction to Molecules, Cells and Genes Lecture / Laboratory

Semesters 3 and 4

- PHYS2203 / PHYS2201 University Physics I Lecture / Laboratory
- PHYS2204 / PHYS2202 University Physics II Lecture / Laboratory

Semester 8

- [BIOL3050](#)/[BIOL3051](#) Cell Biology & Lab (or)
- [BIOL3100](#)/[BIOL3101](#) Genetics & Lab

Major Requirements

Free Electives

May be chosen from any courses offered at the University after consultation with an advisor, (student may not take [BIOL1101](#)/[BIOL1102](#)). (Foreign language is recommended for students intending to go to graduate school.)

Advance Mathematics Course

Select one course, three credits, from the following:

- [MATH2203](#) Calculus III
- [MATH2337](#) Applied Statistics

Science Electives

Any upper-level (3000 or 4000) undergraduate or graduate science course or Independent Study.

A minimum of 120 credits is required for graduation.

[Back to Top](#)

Biochemistry BS (Prepharmacy concentration)

The Bachelor of Science with a major in biochemistry program with a concentration in pre-pharmacy is designed for students who plan to enter graduate school in pharmaceutical science or the pharmaceutical industry. It is designed to meet the entrance requirements for the FDU School of Pharmacy but it also contains the entrance requirements for most schools of pharmacy. In addition to the basic school of pharmacy entrance requirements, the program includes basic pharmaceutical chemistry courses designed to give the student a strong foundation in pharmaceutical chemistry. These are Pharmacokinetics, Pharmacology and Introduction to Medicinal Chemistry. Additional pharmaceutical chemistry major electives are also available. The curriculum is certified by the American Chemical Society if the student meets the required 400 laboratory course hours. Pre-professional counseling for science and health careers is available on campus.

Special Information

Curriculum is certified by the American Chemical Society if the student meets the 400 hour laboratory minimum.

Program Learning Outcomes

At the conclusion of this program, graduates will be able to:

- Demonstrate a solid foundation in biochemistry including the vocabulary, concepts, methods, and procedures that will allow them to be competitive when entering industry, graduate, and professional schools.
- Write and speak clearly on biochemical topics and demonstrate a mastery of these topics through their written and oral communications.
- Excel at utilizing information resources including primary and secondary literature in the field using modern tools to locate and retrieve scientific information.
- Demonstrate qualitative and quantitative critical reasoning skills allowing them to interpret experimental data and evaluate its significance.
- Use standard laboratory equipment, modern instrumentation, and classical techniques to carry out experiments while following proper procedures and regulations for safe handling and use of chemicals and equipment.

Degree Plan

Semesters 1 and 2

- [CHEM1201](#) General Chemistry I Lecture
- [CHEM1203](#) General Chemistry I Laboratory
- [CHEM1202](#) General Chemistry II Lecture
- [CHEM1204](#) General Chemistry II Laboratory

Semesters 3 and 4

- [CHEM2261](#) Organic Chemistry I Lecture
- [CHEM2263](#) Organic Chemistry I Laboratory
- [CHEM2262](#) Organic Chemistry II Lecture
- [CHEM2264](#) Organic Chemistry II Laboratory

Semesters 5

- [CHEM3242](#) Physical Chemistry II Lecture
- [CHEM3244](#) Physical Chemistry II Laboratory

Semester 4 or 6

- [CHEM2221](#) / [CHEM2223](#) Analytical Chemistry Lecture / Laboratory

Semester 5 or 7

- [CHEM3281](#) Biochemistry I Lecture
- [CHEM3389](#) Biochemistry I Laboratory
- [CHEM2211](#) / [CHEM2213](#) Inorganic Chemistry Lecture / Laboratory
- [CHEM4253](#) Pharmacokinetics
- [CHEM4285](#) Pharmacology

Semester 7

- [CHEM4233](#) Instrumental Analysis Lecture
- [CHEM4234](#) Instrumental Analysis Laboratory

Semester 8

- [CHEM4501](#) Biochemistry Capstone

- CHEM4263 Introduction to Medicinal Chemistry

Cognate Requirements

Semesters 1 and 2

- MATH1203 Calculus I
- MATH2202 Calculus II
- BIOL1201 / BIOL1203 Biological Diversity Lecture / Laboratory
- BIOL1202 / BIOL1204 Introduction to Molecules, Cells and Genes Lecture / Laboratory

Semesters 3 and 4

- PHYS2003 / PHYS2013 General Physics with Calculus I Lecture / Laboratory
- PHYS2004 / PHYS2014 General Physics with Calculus II Lecture / Laboratory
- BIOL1205 / BIOL1207 Anatomy and Physiology I Lecture / Laboratory
- BIOL1206 / BIOL1208 Anatomy and Physiology II Lecture / Laboratory

Semester 4, 6, or 8

- BIOL2003 / BIOL2004 Cell Biology Lecture / Laboratory

Semester 3, 4, or 5

- MATH1133 Applied Statistics

Other requirements

- ECON2001 Introduction to Microeconomics
- COMM2099 Professional Communications

Major Electives

- CHEM4215 Advanced Inorganic Chemistry
- CHEM4351 Chemical Kinetics
- CHEM4436, CHEM4437 Mentored Research in Chemistry (sophomore)
- CHEM4438, CHEM4439 Mentored Research in Chemistry (junior)

- [CHEM4440](#), [CHEM4441](#) Mentored Research in Chemistry (senior)
- [CHEM4371](#) Organic Synthesis
- [CHEM3241](#) Physical Chemistry I Lecture
- [CHEM3243](#) Physical Chemistry I Laboratory (must be taken with [CHEM3241](#) Physical Chemistry I Lecture)
- [CHEM2274](#) Physical Organic Chemistry
- Any Biology Area II or III Courses
  Or any course approved by the department chair

Program certified by ACS.

[Back to Top](#)

Biochemistry BS, Cosmetic Science MS: combined degree

The department of Chemistry, Biochemistry and Physics offers a five-year program that allows qualified students to attain a Bachelor of Science degree in biochemistry and a Master of Science degree in Cosmetic Science.

Program Learning Outcomes

At the conclusion of this program, graduates will be able to:

- Demonstrate a solid foundation in the field of Cosmetic Science including the vocabulary, concepts, methods, and procedures that will allow them to be competitive in R&D positions within the Personal Care industry.
- Source, design, and formulate, and test a wide range of personal care products.

- Address the safety, efficacy, and market demands required to bring a new personal care product to the marketplace.
- Efficiently utilize information resources to locate and retrieve scientific information related to their industry.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Semesters 1 and 2

- [CHEM1201](#) General Chemistry I Lecture
- [CHEM1203](#) General Chemistry I Laboratory
- [CHEM1202](#) General Chemistry II Lecture
- [CHEM1204](#) General Chemistry II Laboratory

Semeters 3 and 4

- [CHEM2261](#) Organic Chemistry I Lecture
- [CHEM2263](#) Organic Chemistry I Laboratory
- [CHEM2262](#) Organic Chemistry II Lecture
- [CHEM2264](#) Organic Chemistry II Laboratory

Semesters 5

- [CHEM3241](#) Physical Chemistry I Lecture
- [CHEM3243](#) Physical Chemistry I Laboratory
- [CHEM3281](#) Biochemistry I Lecture
- [CHEM3389](#) Biochemistry I Laboratory

Semester 6

- [CHEM3242](#) Physical Chemistry II Lecture
- [CHEM3244](#) Physical Chemistry II Laboratory
- [CHEM3282](#) Biochemistry II Lecture
- [CHEM4401](#) Chemistry Seminar

Semester 7

- CHEM2211 Inorganic Chemistry Lecture
- CHEM2221 Analytical Chemistry Lecture
- CHEM2223 Analytical Chemistry Laboratory
- Cosmetic Science Requirement
- Cosmetic Science Elective

Semester 8

- CHEM2314 Inorganic Chemistry Laboratory
- CHEM4233 Instrumental Analysis Lecture
- CHEM4234 Instrumental Analysis Laboratory
- CHEM4215 Advanced Inorganic Chemistry (or)
- CHEM4373 Polymer Chemistry
- Cosmetic Science Requirement (3 credits)

9th Semester

- Cosmetic Science Requirement (6 credits)
- Cosmetic Science Elective (3 credits)
- Graduate Elective (3 credits)

10th semester

- Cosmetic Science Requirement (6 credits)
- COSC6548 Cosmetic Science Lab
- Graduate Elective (3 credits)

Cognate Requirements

Semesters 1 and 2

- MATH1201 Calculus I
- MATH2202 Calculus II
- BIOL1221 / BIOL1222 Biological Diversity Lecture / Laboratory

* BIOL1233 / BIOL1234 Introduction to Molecules, Cells and Genes Lecture / Laboratory

Semesters 3 and 4

* PHYS2203 / PHYS2201 University Physics I Lecture / Laboratory
* PHYS2204 / PHYS2202 University Physics II Lecture / Laboratory

Semester 6

* BIOL3050/BIOL3051 Cell Biology & Lab (or)
* BIOL3100/BIOL3101 Genetics & Lab

Major Requirements

Advance Mathematics Course

Select one course, three credits, from the following:

* MATH2203 Calculus III
* MATH2337 Applied Statistics

Graduate Courses for BS and MS degree

Students should consult with their advisors for course selections and new course offerings.

Required Courses

Twenty additional credits from the following:

* COSC6547 Skin Care Raw Materials & Formulations
* COSC6543 Hair Care Raw Materials & Formulations
* COSC6548 Cosmetic Science Laboratory
* COSC6753 Applied Colloid & Surface Science
* CHEM6526 Product Development
* CHEM6529 Microtoxicity and Biochemistry
* COSC6756 Dermal Pharmacology & Immunology

Cosmetic Science Electives (6 credits)

- [CHEM6546](#) Perfumery
- [BIOL6728](#) Bioethics
- [COSC6549](#) Color Cosmetics
- [COSC6542](#) Claims Substantiation
- [CHEM6781](#) Biochemistry
- [CHEM6773](#) Polymer Chemistry

Graduate Electives (9 credits)

- Includes any 5000 level or higher graduate course in Chemistry (CHEM), Biology (BIOL), Marketing (MKTG), Pharmaceutical Chemistry (PHAR), Management (MGMT), Communication (COMM, CCOM), or Cosmetic Science (COSC).

A minimum of 120 credits is required for the BS degree, and a minimum of an additional 23 credits for the MS degree, for a total of 143 credits for the combined degree.

[Back to Top](#)

Biochemistry BS, Pharmacy PharmD: combined degree

Fairleigh Dickinson University's Accelerated 7- Year BS in Biochemistry/PharmD program provides a platform for currently enrolled students at both New Jersey campuses who are interested in FDU's Doctor of Pharmacy program within the School of Pharmacy.

High achieving students can enter into one of three accelerated tracks (in Biochemistry, Biology or Chemistry) with the potential to matriculate into the School of Pharmacy following completion of three years of undergraduate study. Students who maintain a 3.3 GPA with no pharmacy prerequisite course below a B- are guaranteed an interview for admission to the Doctor of Pharmacy program. A letter of recommendation from a faculty member or advisor is also required.

Following the interview process, students admitted to the Doctor of Pharmacy program will maintain their undergraduate scholarships and aid during the fourth "bridge" year while completing both their first professional year of study and their baccalaureate degree in their major area of study.

A minimum of 128 credits is required for the BS degree, 100 of these are taken at either Florham or Metropolitan Campus in yrs. 1-3 + 28 credits (to be approved by department chair/director) in year 4 at FDU's School of Pharmacy. Students not accepted into FDU's School of Pharmacy have the option of switching out of the BS in Biochemistry – PharmD combined degree and into another concentration.

Program Learning Objectives for BS Biochemistry

Graduates of this program will:

- Demonstrate a solid foundation in biochemistry including the vocabulary, concepts, methods, and procedures that will allow them to be competitive when entering industry, graduate, and professional schools.
- Write and speak clearly on biochemical topics and demonstrate a mastery of these topics through their written and oral communications.
- Excel at utilizing information resources including primary and secondary literature in the field using modern tools to locate and retrieve scientific information.
- Demonstrate qualitative and quantitative critical reasoning skills allowing them to interpret experimental data and evaluate its significance.
- Use standard laboratory equipment, modern instrumentation, and classical techniques to carry out experiments while following proper procedures and regulations for safe handling and use of chemicals and equipment.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

PharmD Pre-requisite; must have a grade of B- or higher.

Semesters 1 and 2

- [CHEM1201](#) General Chemistry I Lecture
- [CHEM1203](#) General Chemistry I Laboratory
- [CHEM1202](#) General Chemistry II Lecture
- [CHEM1204](#) General Chemistry II Laboratory

Semeters 3 and 4

- [CHEM2261](#) Organic Chemistry I Lecture
- [CHEM2263](#) Organic Chemistry I Laboratory
- [CHEM2262](#) Organic Chemistry II Lecture
- [CHEM2264](#) Organic Chemistry II Laboratory

Semester 5

- [CHEM3241](#) Physical Chemistry I Lecture
- [CHEM3243](#) Physical Chemistry I Laboratory
- [CHEM4233](#) Instrumental Analysis Lecture
- [CHEM4234](#) Instrumental Analysis Laboratory
- [CHEM3281](#) Biochemistry I Lecture
- [CHEM3389](#) Biochemistry I Laboratory

Semester 6

- [CHEM2221](#) Analytical Chemistry Lecture
- [CHEM2223](#) Analytical Chemistry Laboratory
- [CHEM3282](#) Biochemistry II Lecture

Semester 7

- [PHRM6100](#) Foundations in Pharmaceutical Science: Medicinal Chemistry, Pharmacology
- [PHRM6101](#) Foundations in Basic Biomedical Science: Pathology/Pathophysiology/Microbiology/Immunology

- [PHRM6200](#) Pharmacology: Pharmacokinetics and Pharmacodynamics
- [PHRM6300](#) Evidence Based Practice I
- [PHRM6201](#) Physical Pharmacy
- [PHRM6211](#) Pharmaceutical Calculations
- [PHRM6401](#) Professional Pharmacy Practice I: Health Care Delivery
- [PHRM6700](#) Beyond the Curriculum

Semester 8

- [PHRM6102](#) Integrated Pharmacotherapy Gastrointestinal
- [PHRM6104](#) Integrated Pharmacotherapy Cardiology/Pulmonary I
- [PHRM6111](#) Intg Pharmacotherapy Conceptual Conceptual Connections and Patient Care
- [PHRM6202](#) Applied Biopharmaceutics and Pharmacokinetics
- [PHRM6203](#) Genetics and Pharmacogenomics
- [PHRM6402](#) Professional Pharmacy Practice II: Communication in Health Care
- [PHRM6212](#) Pharmaceutical Calculations II
- [PHRM6701](#) Beyond the Curriculum

Cognate Requirements

Semesters 1 and 2

- [MATH1201](#) or [MATH1203](#) Calculus I
- [MATH2202](#) Calculus II
- [BIOL1221](#) / [BIOL1222](#) Biological Diversity Lecture / Laboratory
- [BIOL1233](#) / [BIOL1234](#) Introduction to Molecules, Cells and Genes Lecture / Laboratory

Semesters 3 and 4

- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture / Laboratory
- [PHYS2204](#) / [PHYS2202](#) University Physics II Lecture / Laboratory

Semester 5 and 6

- [BIOL3238](#)/[BIOL3239](#) Human Structure & Function I \ Laboratory

- MATH2337 Applied Statistics
- BIOL3357/BIOL3358 Human Structure & Function II \ Laboratory

Major Requirements

Years 5-7 at School of Pharmacy

- PHRM6501 Intro Pharmacy Practice Experience
- PHRM7105 Integrated Pharmacotherapy Neurology, Psychiatry,Anesthesiology
- PHRM7106 Integrated Pharmacotherapy Infectious Disease
- PHRM7107 Integrated Pharmacotherapy Cardiology/Pulmonary II
- PHRM7108 Integrated Pharmacotherapy Endocrine, Urinary Tract, Renal, and Reproductive Health
- PHRM7111 Integrated Pharmacotherapy II Conceptual Connections and Patient Care
- PHRM7112 Integrated Pharmacotherapy III Conceptual Connections and Patient Care
- PHRM7201 Dosage Forms and Drug Delivery Systems I
- PHRM7202 Dosage Forms and Drug Delivery Systems II
- PHRM7300 Evidence Based Practice II
- PHRM7303 Evidence Based Practice III
- PHRM7501 Introductory Pharmacy Practice Experience II
- PHRM7701 Beyond the Curriculum
- PHRM8109 Integrated Pharmacotherapy Immunologic, Rheumatologic, and Hematologic Disorders
- PHRM8110 Integrated Pharmacotherapy Oncology
- PHRM8111 Integrated Pharmacotherapy IV: Conceptual Connections and Patient Care
- PHRM8112 Integrated Pharmacotherapy V: Conceptual Connections and Patient Care
- PHRM8301 Pharmacoeconomics and Health Outcomes
- PHRM8302 Public Health for Pharmacists
- PHRM8402 Professional Pharmacy Practice IV: Leadership and Management
- PHRM9101 Advanced Pharmacy Practice Experience: Community

- [PHRM9102](#) Advanced Pharmacy Practice Experience: Institutional
- [PHRM9103](#) Advanced Pharmacy Practice Experience: Am Care
- [PHRM9104](#) Advanced Pharmacy Practice Experience: Acute Care
- [PHRM9201](#)/[PHRM9526](#) Advanced Pharmacy Practice Experience Elective
- [PHRM9201](#)/[PHRM9526](#) Advanced Pharmacy Practice Experience Elective
- [PHRM9201](#)/[PHRM9526](#) Advanced Pharmacy Practice Experience Elective
- [PHRM9201](#)/[PHRM9526](#) Advanced Pharmacy Practice Experience Elective
- [PHRM9900](#) Pharmacy Capstone I
- [PHRM9901](#) Pharmacy Capstone II

Elective Courses 21

A minimum of 123 credits is required for the BS degree; 99 of these are taken at the Metropolitan Campus in yrs. 1-3 + 24 credits (to be approved by department chair/director) in year 4 at FDU's School of Pharmacy. Students not accepted into FDU's School of Pharmacy have the option of switching out of the BS in Biochemistry, PharmD combined degree and into another concentration.

[Back to Top](#)

Biology BS

This curriculum is designed for students who plan to attend graduate school and for pre professional students who wish to prepare for admission to a school of chiropractic, dentistry, medicine, osteopathy, pharmacy, podiatry, or veterinary medicine.

Students should consult the catalog of the school they plan to attend in order to include in their undergraduate programs any special prerequisites not included in the biology curriculum. The pre professional adviser helps students prepare for entrance into their

desired professions. **It should be noted that the majority of the students accepted to graduate schools have completed four years of undergraduate work.**

Program Outcomes

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements in fulfillment of their Bachelor degree requirements.

- Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements.

- During semesters 4 and 5 the Florham students will take Molecular Cell Biology before Genetics and Metro students will take Genetics before Molecular Cell Biology]
- Florham campus students take Applied Statistics (MATH1133) and Metropolitan campus students take Experimental Design (BIOL2300)
- General Physics I and II can be taken with or without calculus on both New Jersey campuses
- Marine Biology can satisfy Ecology requirement on the Metropolitan campus only
- Biochemistry lecture (without lab) can count towards a chemistry minor as an elective and may be a requirement in certain tracks on both New Jersey campuses
- Ethics in Science can count for the Moral/Ethics requirement on the Metropolitan campus only

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL2300 Experimental Design
- BIOL3050, BIOL3051 Molecular Cell Biology & Laboratory

Semesters 5 and 6

- BIOL3100, BIOL3101 Genetics and Laboratory
- BIOL3___/4___ Biology Elective I
- BIOL3___/4___ Biology Elective II

Semesters 7 and 8

- BIOL3___/4___ Biology Elective III
- [BIOL4950](#) Biology Seminar
- BIOL3___/4___ Biology Elective IV
- BIOL3___/4___ Biology Elective V

Biology electives (15-20 credits)

- Elective area I: Ecology and Environmental Biology
- Elective area II: Cellular and Molecular Biology
- Elective area III: Organismal Biology
- Elective area IV and V: Anatomy and Physiology, Ecology and Environmental Biology, Cellular and Molecular Biology, Organismal Biology

Courses for BIOL3000/BIOL4000 Elective I (and Electives IV and V if concentrating in Ecology and Environmental Biology):

- [BIOL3310](#), [BIOL3311](#) Evolution
- [BIOL3380](#), [BIOL3381](#) Animal Behavior
- [BIOL3390](#), [BIOL3391](#) Conservation Biology and Wildlife Management
- [BIOL4100](#), [BIOL4110](#) Marine Ecology
- [BIOL4210](#), [BIOL4215](#), Wildlife and Population Ecology
- [BIOL4420](#), [BIOL4423](#) Evolution and Biodiversity
- [BIOL4431](#) Selected Studies in Ecology and Environmental Biology
- [BIOL4460](#), [BIOL4461](#) Environmental Toxicology
- [BIOL4771](#) Behavioral Ecology
- [BIOL4772](#) Ecotoxicology
- [BIOL4775](#) Physiological Ecology
- [MBIO3201](#) Aquatic Vegetation
- [MBIO3701](#) Marine Ecology

Courses for BIOL3000/BIOL4000 Elective II (and Electives IV and V if concentrating in Cellular and Molecular Biology):

- [BIOL3009](#), [BIOL3019](#) Microbiology
- [BIOL3221](#), [BIOL3231](#) Microbiology – Medical Focus
- [BIOL3225](#), [BIOL3226](#) General Microbiology
- [BIOL3332](#), [BIOL3333](#) Immunology

- BIOL3345 Molecular Genetics
- BIOL3360, BIOL3361 Advanced Molecular Biology
- BIOL3408, BIOL3409 Forensic Science
- BIOL3417 Introduction to Recombinant DNA
- BIOL3420, BIOL3421 Developmental Biology
- BIOL4220, BIOL4221 Histology
- BIOL4235, BIOL4236 Developmental Biology
- BIOL4240, BIOL4241 Molecular Cell Biology
- BIOL4444 Selected Studies in Cell and Molecular Biology
- BIOL4470, BIOL4471 Introduction to Neuroscience
- BIOL4500, BIOL4501 Cell Biology Cancer
- BIOL4600, BIOL4601 Gene Expression and Regulation
- BIOL4855, BIOL4856 Molecular Biology Techniques
- BIOL6720 or BIOL4720 Molecular Biotechnology
- BIOL5306 or BIOL4306 Immunology
- BIOL6840 or BIOL4840 Cell Culture

Courses for BIOL3000/BIOL4000 Elective III:

- BIOL3238, BIOL3239 Human Structure and Function I
- BIOL3028, BIOL3029 Plant Morphology
- BIOL3225, BIOL3226 General Microbiology
- BIOL3253, BIOL3254 Comparative Anatomy
- BIOL3310, BIOL3311 Evolution
- BIOL3337, BIOL3327 General Physiology
- BIOL3357, BIOL3358 Human Structure and Function II
- BIOL3380, BIOL3381 Animal Behavior
- BIOL3413, BIOL3423 Entomology
- BIOL3420, BIOL3421 Developmental Biology
- BIOL4235, BIOL4236 Developmental Biology
- BIOL4420, BIOL4421 Evolution and Biodiversity
- BIOL4452 Selected Studies in Anatomy and Physiology
- BIOL4480, BIOL4481 Insect-transmitted Diseases
- MBIO3201 Aquatic Vegetation

- [MBIO3401](#) Marine Invertebrates
- [MBIO3650](#), [MBIO3651](#) Physiology of Marine Animals
- [MBIO3901](#) Marine Vertebrates

Courses for BIOL3000/BIOL4000 Electives IV and V if concentrating in Anatomy and Physiology:

- [BIOL3237](#), [BIOL3239](#) Human Structure and Function I
- [BIOL3253](#), [BIOL3254](#) Comparative Anatomy
- [BIOL3337](#), [BIOL3327](#) General Physiology
- [BIOL3357](#), [BIOL3358](#) Human Structure and Function II
- [BIOL3420](#), [BIOL3421](#) Developmental Biology
- [BIOL4235](#), [BIOL4236](#) Developmental Biology
- [BIOL4452](#) Selected Studies in Anatomy and Physiology
- [BIOL4745](#) Endocrinology
- [BIOL4888](#) Physiology of Disease
- [BIOL4421](#) Neuroscience
- [BIOL4893](#) Human Physiology
- [MBIO3650](#), [MBIO3651](#) Physiology of Marine Animals

If two biology elective courses are selected from the same major area, a concentration in that area may be declared. Four credits of undergraduate research (permission of instructor required) may be substituted for one major area course as a biology elective.

Anatomy and Physiology Concentration

Students majoring in Biology with a concentration in Anatomy and Physiology must take

Semesters 5 and 6

- [BIOL3100](#), [BIOL3101](#) Genetics and Laboratory
- [BIOL3238](#)/[BIOL3239](#) Human Structure & Function I and Laboratory
- [BIOL3357](#)/[BIOL3358](#) Human Structure & Function II and Laboratory
- BIOL3___/4___ Biology Elective I

Semesters 7 and 8

- BIOL3___/4___ Biology Elective II
- BIOL3___/4___ Biology Elective III

- BIOL3___/4___ Biology Elective IV
- BIOL3___/4___ Biology Elective V
- [BIOL4405](#) Ethics in Science
- [BIOL4950](#) Biology Seminar

A minimum of 121 credits is required for graduation.

Ecology & Environmental Biology Concentration

Semesters 5

- [BIOL3100](#), [BIOL3101](#) Genetics and Laboratory
- [BIOL3225](#)/[BIOL3226](#) General Microbiology and Laboratory
- BIOL3___/4___ Biology Elective I

Semesters 7 and 8

- BIOL3___/4___ Biology Elective II
- BIOL3___/4___ Biology Elective III
- BIOL3___/4___ Biology Elective IV
- [BIOL4405](#) Ethics in Science
- [BIOL4950](#) Biology Seminar
- BIOL3___/4___ Biology Elective V

A minimum of 120 credits is required for graduation.

Cellular and Molecular Biology Concentration

Semesters 5 and 6

- [BIOL3100](#), [BIOL3101](#) Genetics and Laboratory
- [BIOL3225](#)/[BIOL3226](#) General Microbiology and Laboratory
- [BIOL3360](#)/[BIOL3361](#) Advanced Molecular Biology and Laboratory
- BIOL3___/4___ Biology Elective I

Semesters 7 and 8

- BIOL3___/4___ Biology Elective II
- BIOL3___/4___ Biology Elective III

- BIOL3___/4___ Biology Elective IV
- BIOL3___/4___ Biology Elective V
- BIOL4405 Ethics in Science
- BIOL4950 Biology Seminar

A minimum of 120 credits is required for graduation.

Biotechnology Concentration

(offered only at Metropolitan Campus)

Semesters 5

- BIOL3100, BIOL3101 Genetics and Laboratory
- BIOL3225/BIOL3226 General Microbiology and Laboratory
- BIOL3238/BIOL3239 Human Structure & Function I and Laboratory

Semesters 7 and 8

- BIOL3345 Molecular Genetics
- BIOL4855/BIOL4856 Molecular Biology Techniques
- BIOL6720 Molecular Biotechnology
- BIOL4405 Ethics in Science
- BIOL4950 Biology Seminar
- BIOL5306 Immunology
- BIOL6840 Cell Culture

A minimum of 120 credits is required for graduation.

Common Cognate Requirements

Semesters 1 and 2

- CHEM1201, CHEM1203 General Chemistry I and Laboratory
- CHEM1202, CHEM1204 General Chemistry II and Laboratory

Semesters 3 and 4

- CHEM2261, CHEM2263 Organic Chemistry I and Laboratory

- CHEM2262, CHEM2264 Organic Chemistry II and Laboratory

Semesters 5 and 6

- PHYS2203 / PHYS2201 University Physics I Lecture and Laboratory
- PHYS2204 / PHYS2202 University Physics II Lecture and Laboratory

Major Requirements:

- Free Electives: May be chosen from any courses offered at the University after consultation with an advisor, but may include no more than six credits of "1000" level Biology courses. Physical Education is recommended for students to go on to schools of Veterinary Medicine. Foreign language is recommended for students intending to go on to Graduate School.
- The Program is designed for students who plan to attend Graduate school or who wish to prepare for admission to a School of Medicine, Dentistry, Chiropractic, Optometry, etc., as well as those interested in entering directly into the workforce.

Back to Top

Biology BS Osteopathic Medicine DO

FDU partners with Lake Erie College of Osteopathic Medicine (LECOM) to offer an eight-year program (or 4 plus 4 years): BS Biochemistry or Biology or Chemistry from the FDU School of Nursing and Allied Health, and DO Osteopathic Medicine from Lake Erie College of Osteopathic Medicine.

This combined degree program provides qualified students the opportunity to complete a baccalaureate degree and a Doctor of Osteopathic Medicine (DO) degree in eight years.

The bachelor's degree (BS in Biology) is awarded by Fairleigh Dickinson University and the doctoral degree (DO) by Lake Erie College of Osteopathic Medicine (LECOM). Through these Early Acceptance Programs, Fairleigh Dickinson University undergraduate students are enrolled jointly by FDU and by LECOM. Once recommended by FDU, LECOM will interview the students prior to their enrollment at Fairleigh Dickinson University or within the first two years of being properly enrolled in the program. Students must schedule the interview with LECOM via the LECOM portal (generally by April 1 of the year of FDU matriculation).

Students interviewing successfully will be offered a provisional acceptance to LECOM's Doctor of Osteopathic Medicine program. To receive the official Provisional Letter of Acceptance, students must request the Letter by e-mailing LECOM from their FDU e-mail address within 12 months of their interview date.

The 4 Plus 4 track is composed of two phases. Phase I consists of four years of undergraduate education at Fairleigh Dickinson University and completion of the BS in Biochemistry or Biology or Chemistry degree. Phase II consists of four years of medical school education at LECOM and its associated clinical training sites.

Each academic year, a combined total of maximum five students will be accepted by LECOM into Phase II of the Early Acceptance Program from each campus of FDU. Provisionally accepted students may not apply to any other medical school. Application to another medical school will result in the loss of the student's provisional acceptance.

Application Process

1) Students must submit two different applications: an application to Fairleigh Dickinson University and an application to LECOM Early Acceptance Program.

2) Students will first fill out an inquiry to the LECOM Early Acceptance Program via the LECOM portal. After completing this inquiry students will be contacted by LECOM with a username and password to complete an application.

3) If the student meets the admission requirements, LECOM will offer the student a list of Early Acceptance Program interview dates to self-schedule an interview.

4) Following a successful interview, LECOM will notify the student via email that they have been pre-approved for a provisional letter of acceptance to LECOM. A copy of this pre-approval confirmation email must be submitted to myapp@fdu.edu.

5) The Fairleigh Dickinson University application will be reviewed upon receipt of the LECOM pre-approval confirmation email.

Admission Requirements

All applicants for admission to the combined degree program must satisfy secondary school preparation in English, Mathematics, Biology, Chemistry, and Physics. The high school GPA and rank in class, along with letters of recommendation from high school teachers, will be of primary importance in evaluating applicants' credentials. High school seniors meeting the following minimum criteria may apply for admission to the combined degree program:

Medical 4 Plus 4 Admission Criteria, Phase I

- High school unweighted GPA: 3.5
- Academic Index Score: 117

Full-time students currently enrolled at FDU who seek admission to the combined degree programs must apply to the School of Biology and Allied Health, Metropolitan Campus, Teaneck, NJ, or to the Department of Biological and Allied Health Sciences, Maxwell Becton College of Arts and Sciences, Florham Campus, Madison, NJ, prior to February 1 of their freshman year for the 3 Plus 4 Early Acceptance Program, or by February 1 of their sophomore year for the 4 Plus 4 program.

Admission to Phase II

While enrolled in Phase I at FDU, students are required to follow a curriculum in Biology, Biochemistry, or Chemistry for the 4+4 track. Completion of all FDU curriculum requirements, including general education requirements, degree program requirements for the major, and all prerequisite courses, is required prior to beginning Phase II at LECOM. Students must complete all prerequisite courses with a grade of C or better, and must achieve the minimum cumulative overall grade point average (GPA) and cumulative science GPA as indicated below.Qualified students enrolled in the combined degree programs must meet the following criteria as part of the application process for Phase II:

Medical 4 Plus 4 Admission Criteria, Phase II

- Cumulative Overall GPA: 3.4
- Cumulative Science GPA: 3.2
- Academic Index Score: 115
- MCAT: Score at or above the 50th percentile [Students matriculating to LECOM in 2016 and later will be exempt from the MCAT requirement, provided that the minimum Academic Index Score requirement has been met and that the student has earned a grade of C or better in Biochemistry and Genetics.]

Additional admission requirements include:

- Timely submission of a completed AACOMAS application, secondary LECOM application, letters of recommendation (including one letter from an osteopathic physician), and MCAT score (if applicable);
- Advanced Placement (AP) credits may not be used to satisfy any of the Biology, Chemistry, Physics, or Calculus course requirements. LECOM will only accept AP credits for the English and Behavioral Science courses and only if the student scores a four (4) or five (5) on the AP exam. A replacement course of equal or greater credit hours applicable to the field of medicine or a course of similar academic rigor, if approved by the Phase I advisor, must be taken at Fairleigh Dickinson University.
- No reduced course load will be accepted. No summer courses will be accepted, except in the case of scheduling conflicts;

Premedical Curricula

Students enrolled in the 4 Plus 4 years Early Acceptance Program will follow the curricula for the BS in Biology, BS in Biochemistry, or BS in Chemistry.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**

- [MBIO2209](), [MBIO2219]() Introduction to Marine Biology and Laboratory
- [BIOL2300]() Experimental Design
- [BIOL3100](), [BIOL3101]() Genetics and Laboratory

Semesters 5 and 6

- [BIOL3050](), [BIOL3051]() Molecular Cell Biology & Laboratory
- BIOL3___/4___ Biology Elective I
- BIOL3___/4___ Biology Elective II

Semesters 7 and 8

- BIOL3___/4___ Biology Elective III
- [BIOL4950]() Biology Seminar
- BIOL3___/4___ Biology Elective IV
- BIOL3___/4___ Biology Elective V

Biology electives (15-20 credits)

- Elective area I: Ecology and Environmental Biology
- Elective area II: Cellular and Molecular Biology
- Elective area III: Organismal Biology
- Elective area IV and V: Anatomy and Physiology, Ecology and Environmental Biology, Cellular and Molecular Biology, Organismal Biology

Major Requirements:

- Free Electives: May be chosen from any courses offered at the University after consultation with an advisor, but may include no more than six credits of "1000" level Biology courses. Physical Education is recommended for students to go on to schools of Veterinary Medicine. Foreign language is recommended for students intending to go on to Graduate School.
- The Program is designed for students who plan to attend Graduate school or who wish to prepare for admission to a School of Medicine, Dentistry, Chiropractic, Optometry, etc., as well as those interested in entering directly into the workforce.

A minimum of 120 credits is required for graduation.

Biology BS Veterinary Medicine DVM combined degree

While students can attend any veterinary school after earning a BS in Biology, some students may choose to apply for eight-year program BS in Biology (FDU) and Doctor of Veterinary Medicine with Ross University School of Medicine, St. Kitts and Nevins.

Students are admitted to FDU as incoming freshmen or qualified transfer students. They may apply for the BS degree upon successful completion of six semesters at FDU.

The program prepares students interested in pursuing a Doctor of Veterinary Medicine degree to become successful veterinarians in the United States. The program is an accelerated program that takes a little more than three years. The last three semesters are spent on the campus of one of the U.S. veterinary schools affiliated with Ross University School of Veterinary Medicine. The U.S. Department of Education has certified Ross University School of Veterinary Medicine as an eligible institution for the Title IV U.S. Federal Family Education Loan program.

Admission Requirements

- High school seniors with a high school GPA of 3.25 may apply for admission to the combined degree program.
- All applicants for admission to the combined degree program must satisfy secondary school preparation in English, mathematics, biology, chemistry, and physics.
- The high school GPA and rank in class, along with letters of recommendation from high school teachers, will be of primary importance in evaluating applicants' credentials.

Qualifying for enrollment at Ross University

Students must meet the following criteria to qualify for admission to the veterinary phase of the program:

- Completion of all FDU curriculum requirements, including the general education requirements and the degree program requirements for the major and all prerequisite courses required for admission at Ross University School of Veterinary Medicine. Students must obtain a GPA of 3.00 or higher in prerequisite courses with no C-, D, or F in any of the courses
- An overall GPA of 3.2 or higher
- A score in the 25th percentile or better in each category of the Graduate Record Examination (GRE)

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor's degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semesters 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL3050, BIOL3051 Molecular Cell Biology & Laboratory

Semesters 5 and 6

- BIOL3100, BIOL3101 Genetics and Laboratory
- BIOL3337, BIOL3327 General Physiology and Laboratory

Semesters 7 and 8

- BIOL3253, BIOL3254 Comparative Anatomy and Laboratory
- BIOL3309, BIOL3019 Microbiology and Laboratory
- PHIL1440 Biomedical Ethics
- BIOL4950 Biology Seminar

- BIOL3___/4___ Ecology and Environmental Biology Elective IV and Laboratory
- BIOL3___/4___ Biology Elective V and Laboratory

Cognate Requirements

Semesters 1 and 2

- CHEM1201, CHEM1203 General Chemistry I and Laboratory
- CHEM1202, CHEM1204 General Chemistry II and Laboratory

Semesters 3 and 4

- CHEM2261, CHEM2263 Organic Chemistry I and Laboratory
- CHEM2262, CHEM2264 Organic Chemistry II and Laboratory

Semesters 5 and 6

- PHYS2203 / PHYS2201 University Physics I Lecture and Laboratory
- PHYS2204 / PHYS2202 University Physics II Lecture and Laboratory
- CHEM3281 Biochemistry I

Major Requirements:

- The Program is designed for students who are accepted into professional school (e.g., School of Medicine, Dentistry, Chiropractic, and Optometry) after four years of undergraduate study.

A minimum of 124 credits is required for graduation with BS in Biology.

Back to Top

Biology BS, Biology MS (Biotechnology concentration): combined degree

The combined accelerated program BS/MS in Biology with allows students to earn both degrees for a total of 142 credits, instead of 161. Students are required to take 22 graduate credits and 120 undergraduate credits. Students must decide to be in this program by the end of their sophomore year and arrange their program for their junior and senior years in close consultation with their academic advisers.

The concentration in biotechnology is designed to provide the student with a thorough background in molecular and cellular biology, with emphasis on current developments in areas including genetics, immunology, microbiology, cell physiology, recombinant DNA techniques and cell and tissue culture. This program prepares students for careers in research or the health care professions, as well as careers in business, law and scientific writing.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper

equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Candidates for a concentration in biotechnology must complete the courses required for the major in biology and include the following courses: BIOL3225, BIOL3226 General Microbiology; BIOL3345 Molecular Genetics; BIOL5306 Immunology; and BIOL6840 Cell Culture

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL2300 Experimental Design

Semesters 5 and 6

- BIOL3100, BIOL3101 Genetics and Laboratory
- BIOL3238/BIOL3239 Human Structure & Function I and Laboratory
- BIOL3225/BIOL3226 General Microbiology and Laboratory
- BIOL3345 Molecular Genetics

Semesters 7 and 8

- [BIOL4855](#)/[BIOL4856](#) Molecular Biology Techniques and Laboratory
- [BIOL6240](#), [BIOL6241](#) Molecular Cell Biology and Laboratory
- [BIOL4950](#) Biology Seminar
- [BIOL4405](#) Ethics in Science
- [BIOL4950](#) Biology Seminar II
- [BIOL5306](#) Immunology
- [BIOL6840](#) Cell Culture

Semesters 9 and 10 (22 credits)

- [BIOL6720](#) Molecular Biotechnology (3 credits)
- Graduate Biology Electives (19 credits) [Students may take any BIOL course at or above the "5000" level]

Cognate Requirements

Semesters 1 and 2

- [CHEM1201](#), [CHEM1203](#) General Chemistry I and Laboratory
- [CHEM1202](#), [CHEM1204](#) General Chemistry II and Laboratory

Semesters 3 and 4

- [CHEM2261](#), [CHEM2263](#) Organic Chemistry I and Laboratory
- [CHEM2262](#), [CHEM2264](#) Organic Chemistry II and Laboratory

Semesters 5 and 6

- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture and Laboratory
- [PHYS2204](#) / [PHYS2202](#) University Physics II Lecture and Laboratory

Major Requirements:

- Free Electives: May be chosen from any courses offered at the University after consultation with an advisor, but may include no more than six credits of "1000" level Biology courses. Physical Education is recommended for students to go on to schools of Veterinary Medicine.

- The Program is designed for students who plan to attend Graduate school or who wish to prepare for admission to a School of Medicine, Dentistry, Chiropractic, Optometry, etc., as well as those interested in entering directly into the workforce.

A minimum of 120 credits is required for the BS degree, and a minimum of an additional 22 credits for the MS degree.

[Back to Top](#)

Biology BS, Biology MS: combined degree

The combined accelerated program BS/MS in Biology allows students to earn both degrees for a total of 141 credits, instead of 160. Students are required to take 21 graduate credits and 120 undergraduate credits. Students must decide to be in this program by the end of their sophomore year and arrange their program for their junior and senior years in close consultation with their academic advisers.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL2300 Experimental Design

Semesters 5 and 6

- BIOL3100, BIOL3101 Genetics and Laboratory
- BIOL3238/BIOL3239 Human Structure & Function I and Laboratory

- BIOL3225/BIOL3226 General Microbiology and Laboratory
- BIOL____ Biology Elective

Semesters 7 and 8

- BIOL6240, BIOL6241 Molecular Cell Biology and Laboratory
- BIOL4950 Biology Seminar
- BIOL____ Biology Elective
- BIOL4405 Ethics in Science
- BIOL4950 Biology Seminar II
- BIOL4855/BIOL4856 Molecular Biology Techniques and Laboratory
- BIOL5306 Immunology
- BIOL6840 Cell Culture

Semesters 9 and 10 (22 credits)

- Graduate Biology Electives [Students may take any BIOL course at or above the "5000" level]

Cognate Requirements

Semesters 1 and 2

- CHEM1201, CHEM1203 General Chemistry I and Laboratory
- CHEM1202, CHEM1204 General Chemistry II and Laboratory

Semesters 3 and 4

- CHEM2261, CHEM2263 Organic Chemistry I and Laboratory
- CHEM2262, CHEM2264 Organic Chemistry II and Laboratory

Semesters 5 and 6

- PHYS2203 / PHYS2201 University Physics I Lecture and Laboratory
- PHYS2204 / PHYS2202 University Physics II Lecture and Laboratory

Major Requirements:

- Free Electives: May be chosen from any courses offered at the University after consultation with an advisor, but may include no more than six credits of "1000" level Biology courses. Physical Education is recommended for students to go on to schools of Veterinary Medicine.
- The Program is designed for students who plan to attend Graduate school or who wish to prepare for admission to a School of Medicine, Dentistry, Chiropractic, Optometry, etc., as well as those interested in entering directly into the workforce.

A minimum of 120 credits is required for the BS degree, and a minimum of an additional 21 credits for the MS degree.

[Back to Top](#)

Biology BS, Chiropractic DC combined degree

This accelerated, combined degree program enables students to earn both baccalaureate and Doctor of Chiropractic degrees in just six years and four months – a full year less than the normal study time of seven years and four months. Students can choose to attend undergraduate classes on either the Metropolitan Campus or Florham Campus.

The bachelor's degree is awarded by Fairleigh Dickinson University and the Doctor of Chiropractic degree is awarded by a participating Council on Chiropractic Education (CCE)-accredited College of Chiropractic. To date, the University has affiliations with:

- Logan University

Students are admitted into FDU's combined degree program as incoming freshmen or qualified transfer students. The BS degree is awarded after the students completes six

semesters (three years) at FDU (including the courses listed below or their approved equivalent), completes the first two trimesters of study at a participating chiropractic college with grades of C or better and is accepted into the third trimester. Up to 32 credits accepted in transfer toward completion of BS degree requirements will be selected from appropriate graduate-level courses offered by a participating chiropractic college.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus

students are required to take [SPCH1107](#) Fundamentals of Speech and [PHIL1440](#) Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- [BIOL1221](#), [BIOL1222](#) Biological Diversity and Laboratory
- [BIOL1223](#) Biological Diversity Recitation
- [BIOL1233](#), [BIOL1234](#) Introduction to Molecules, Cells and Genes and Laboratory
- [BIOL1235](#) Molecules, Cells & Genes Recitation

Semester 3 and 4

- [BIOL3253](#), [BIOL3254](#) Comparative Anatomy and Laboratory
- [BIOL3050](#), [BIOL3051](#) Molecular Cell Biology & Laboratory

Semesters 5 and 6

- [BIOL3100](#), [BIOL3101](#) Genetics and Laboratory
- [BIOL3337](#), [BIOL3327](#) General Physiology and Laboratory

Semesters 7 and 8

- Approved credits are taken at professional school (29 credits)

[Back to Top](#)

Biology BS, Dental Medicine DMD (Florham)

Students accepted into this program will spend their first three years at FDU. The following four years will be spent at the Rutgers School of Dental Medicine (RSDM). Following the successful completion of the first year of study at RSDM the student will be awarded a BS degree by FDU.

Admission requirements

Students who are in their fourth semester at FDU and who meet the application criteria may apply. Applicants must have had secondary school preparation in English, mathematics, biology, chemistry and physics. Please speak to the FDU preprofessional advisor for additional information on application criteria.

Following evaluation of applications by FDU and RSDM Admissions Office, the Joint Admissions Committee will decide which applicants to interview at FDU and RSDM. The interview at RSDM will be conducted by a member of the RSDM Admissions Committee. The final decision will be made by the Joint Admissions Committee following the review of the interviewers' comments.

Admission to RSDM

Final admission into the New Jersey Dental School is dependent on satisfactory completion of the following:

- 98 credits as listed below at Department of Biological Sciences, Fairleigh Dickinson University
- A minimum grade point ratio of 3.50 and a minimum grade of "B" in each of the science courses required for admission to RSDM. There shall be no final grade of "D", "F" or "I" in any course required for admission to RSDM, appearing on the student's transcript
- A satisfactory score on the Dental Aptitude Test must be submitted prior to admission to RSDM
- Recommendations from at least four FDU faculty members including the director of the School of Natural Sciences and the preprofessional adviser
- Students wishing to participate in the program must apply in writing to the pre professional adviser no later than completion of 60 credits at FDU
- Participation in any orientation programs required by RSDM
- Final entrance into the DMD. program is contingent on satisfactory performance in all six semesters at FDU.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory

- [BIOL1223](#) Biological Diversity Recitation
- [BIOL1233](#), [BIOL1234](#) Introduction to Molecules, Cells and Genes and Laboratory
- [BIOL1235](#) Molecules, Cells & Genes Recitation

Semester 3 and 4

- [BIOL2200](#), [BIOL2201](#) Ecology & Field Biology and Laboratory **(or)**
- [MBIO2209](#), [MBIO2219](#) Introduction to Marine Biology and Laboratory
- [BIOL2300](#) Experimental Design
- [BIOL3050](#), [BIOL3051](#) Molecular Cell Biology & Laboratory

Semesters 5 and 6

- [BIOL3100](#), [BIOL3101](#) Genetics and Laboratory
- [BIOL3225](#)/[BIOL3226](#) General Microbiology and Laboratory
- [BIOL3238](#)/[BIOL3239](#) Human Structure & Function I and Laboratory
- [BIOL4405](#) Ethics in Science
- [BIOL4950](#) Biology Seminar

Semesters 7 and 8

- Approved credits taken at professional school (29 credits)

Cognate Requirements

Semesters 1 and 2

- [CHEM1201](#), [CHEM1203](#) General Chemistry I and Laboratory
- [CHEM1202](#), [CHEM1204](#) General Chemistry II and Laboratory

Semesters 3 and 4

- [CHEM2261](#), [CHEM2263](#) Organic Chemistry I and Laboratory
- [CHEM2262](#), [CHEM2264](#) Organic Chemistry II and Laboratory

Semesters 5 and 6

- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture and Laboratory

- PHYS2204 / PHYS2202 University Physics II Lecture and Laboratory
- CHEM3281 Biochemistry I

Major Requirements:

- The Program is designed for students who are accepted into professional school (e.g., School of Medicine, Dentistry, Chiropractic, and Optometry) after three years of undergraduate study. Twenty-nine credits earned during the first year of professional school are used to supplement the 95 credits earned at FDU to complete the 124 credits required for the BS degree.

A minimum of 124 credits is required for graduation with BS Biology.

Back to Top

Biology BS, Dental Medicine DMD (Metro)

Students accepted into this program will spend their first three years at FDU. The following four years will be spent at the Lecom School of Dental Medicine. Following the successful completion of the first year of study at RSDM the student will be awarded a BS degree by FDU.

Admission requirements

Students who are in their fourth semester at FDU and who meet the application criteria may apply. Applicants must have had secondary school preparation in English, mathematics, biology, chemistry and physics. Please speak to the FDU preprofessional advisor for additional information on application criteria.

Following evaluation of applications by FDU and Lecom Admissions Office, the Joint Admissions Committee will decide which applicants to interview at FDU and Lecom. The interview at Lecom will be conducted by a member of the Lecom Admissions

Committee. The final decision will be made by the Joint Admissions Committee following the review of the interviewers' comments.

Admission to Lecom

Final admission into the New Jersey Dental School is dependent on satisfactory completion of the following:

- 98 credits as listed below at Department of Biological Sciences, Fairleigh Dickinson University
- A minimum grade point ratio of 3.50 and a minimum grade of "B" in each of the science courses required for admission to Lecom. There shall be no final grade of "D", "F" or "I" in any course required for admission to Lecom, appearing on the student's transcript
- A satisfactory score on the Dental Aptitude Test must be submitted prior to admission to Lecom
- Recommendations from at least four FDU faculty members including the director of the School of Natural Sciences and the preprofessional adviser
- Students wishing to participate in the program must apply in writing to the pre professional adviser no later than completion of 60 credits at FDU
- Participation in any orientation programs required by Lecom
- Final entrance into the D.D.S. program is contingent on satisfactory performance in all six semesters at FDU.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL2300 Experimental Design
- BIOL3050, BIOL3051 Molecular Cell Biology & Laboratory

Semesters 5 and 6

- [BIOL3100](#), [BIOL3101](#) Genetics and Laboratory
- [BIOL3225](#)/[BIOL3226](#) General Microbiology and Laboratory
- [BIOL3238](#)/[BIOL3239](#) Human Structure & Function I and Laboratory
- [BIOL4405](#) Ethics in Science
- [BIOL4950](#) Biology Seminar

Semesters 7 and 8

- Approved credits taken at professional school (29 credits)

Cognate Requirements

Semesters 1 and 2

- [CHEM1201](#), [CHEM1203](#) General Chemistry I and Laboratory
- [CHEM1202](#), [CHEM1204](#) General Chemistry II and Laboratory

Semesters 3 and 4

- [CHEM2261](#), [CHEM2263](#) Organic Chemistry I and Laboratory
- [CHEM2262](#), [CHEM2264](#) Organic Chemistry II and Laboratory

Semesters 5 and 6

- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture and Laboratory
- [PHYS2204](#) / [PHYS2202](#) University Physics II Lecture and Laboratory
- [CHEM3281](#) Biochemistry I

Major Requirements:

- The Program is designed for students who are accepted into professional school (e.g., School of Medicine, Dentistry, Chiropractic, and Optometry) after three years of undergraduate study. Twenty-nine credits earned during the first year of professional school are used to supplement the 95 credits earned at FDU to complete the 124 credits required for the BS degree.

A minimum of 124 credits is required for graduation with BS Biology.

Biology BS, Medicine MD combined degree

While students can attend any medical school after earning a BS in Biology, some students may choose to apply for the eight-year program BS in Biology (FDU) and Doctor of Medicine with Ross University School of Medicine, Barbados.

This 4 + 4 combined degree program provides qualified students the opportunity to complete a baccalaureate degree and a Medical Doctor (MD) degree in eight years. The bachelor's degree is awarded by Fairleigh Dickinson University and the MD degree by Ross University School of Medicine. English is the teaching language.

The program prepares students interested in pursuing a Doctor of Medicine degree to become successful physicians in the United States.

Admission requirements

- High school seniors with a combined Scholastic Aptitude Test (SAT) score of 1170 and high school GPA of 3.25 may apply for admission to the combined degree program.
- All applicants for admission to the combined degree program must satisfy secondary school preparation in English, mathematics, biology, chemistry and physics.
- The high school GPA and rank in class, along with letters of recommendation from high school teachers, will be of primary importance in evaluating applicants' credentials.
- Applicants are required to submit scores in the verbal and mathematical components of the SAT.

Qualifying for enrollment at Ross University

Students must meet the following criteria to qualify for admission to the medicine phase of the program:

- Completion of all FDU curriculum requirements, including the general education requirements and the degree program requirements for the major and all prerequisite courses required for admission at Ross University School of Veterinary Medicine. Students must obtain a GPA of 3.00 or higher in prerequisite courses with no C-, D, or F in any of the courses;
- An overall GPA of 3.2 or higher;
- Other requirements include a satisfactory MCAT score and other minimum admissions requirements as set forth by Ross University.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL3050, BIOL3051 Molecular Cell Biology & Laboratory

Semesters 5 and 6

- BIOL3100, BIOL3101 Genetics and Laboratory
- BIOL3337, BIOL3327 General Physiology and Laboratory

Semesters 7 and 8

- BIOL3253, BIOL3254 Comparative Anatomy and Laboratory
- BIOL3309, BIOL3019 Microbiology and Laboratory
- PHIL1440 Biomedical Ethics
- BIOL4950 Biology Seminar
- BIOL3___/4___ Ecology and Environmental Biology Elective IV and Laboratory
- BIOL3___/4___ Biology Elective V and Laboratory

Cognate Requirements

Semesters 1 and 2

- [CHEM1201](#), [CHEM1203](#) General Chemistry I and Laboratory
- [CHEM1202](#), [CHEM1204](#) General Chemistry II and Laboratory

Semesters 3 and 4

- [CHEM2261](#), [CHEM2263](#) Organic Chemistry I and Laboratory
- [CHEM2262](#), [CHEM2264](#) Organic Chemistry II and Laboratory

Semesters 5 and 6

- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture and Laboratory
- [PHYS2204](#) / [PHYS2202](#) University Physics II Lecture and Laboratory
- [CHEM3281](#) Biochemistry I

Major Requirements:

The Program is designed for students who are accepted into professional school (e.g., School of Medicine, Dentistry, Chiropractic, and Optometry) after four years of undergraduate study.

A minimum of 124 credits is required for graduation with BS Biology.

[Back to Top](#)

Biology BS, Pharmacy PharmD combined degree

Students accepted into this program will spend their first three years at FDU. The following four years will be spent at the School of Pharmacy, Fairleigh Dickinson University, Madison, NJ. A minimum of 124 credits is required for the BS degree; 96 of these are taken at the Metropolitan Campus in yrs. 1-3 + 28 credits (to be approved by department chair/director) in year 4 at FDU's School of Pharmacy. Students not accepted into FDU's School of Pharmacy have the option of switching out of the BS in Biology, PharmD combined degree and into another concentration.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL2300 Experimental Design
- BIOL3100, BIOL3101 Genetics and Laboratory

Semesters 5 and 6

- BIOL3050, BIOL3051 Molecular Cell Biology & Laboratory
- BIOL3225/BIOL3226 General Microbiology and Laboratory
- BIOL3238/BIOL3239 Human Structure & Function I and Laboratory
- BIOL4405 Ethics in Science
- BIOL4950 Biology Seminar

Semester 7

- PHRM6100 Foundations in Pharmaceutical Science:Medicinal Chemistry, Pharmacology
- PHRM6101 Foundations in Basic Biomedical Science: Pathology/Pathophysiology/Microbiology/Immunology
- PHRM6200 Pharmacology: Pharmacokinetics and Pharmacodynamics
- PHRM6300 Evidence Based Practice I
- PHRM6201 Physical Pharmacy

- [PHRM6211](#) Pharmaceutical Calculations I
- [PHRM6401](#) Professional Pharmacy Practice I: Health Care Delivery
- [PHRM6401](#) Beyond the Curriculum

Semester 8

- [PHRM6102](#) Integrated Pharmacotherapy: Gastrointestinal
- [PHRM6104](#) Integrated Pharmacotherapy: Cardiology/Pulmonology
- [PHRM6111](#) Integrated Pharmacotherapy I: Conceptual Connections and Patient Care
- [PHRM6202](#) Applied Biopharmaceutics and Pharmacokinetics
- [PHRM6203](#) Genetics and Pharmacogenomics
- [PHRM6402](#) Professional Pharmacy Practice II: Communication in Health Care
- [PHRM6212](#) Pharmaceutical Calculations II
- [PHRM6701](#) Beyond the Curriculum

Cognate Requirements

Semesters 1 and 2

- [CHEM1201](#), [CHEM1203](#) General Chemistry I and Laboratory
- [CHEM1202](#), [CHEM1204](#) General Chemistry II and Laboratory

Semesters 3 and 4

- [CHEM2261](#), [CHEM2263](#) Organic Chemistry I and Laboratory
- [CHEM2262](#), [CHEM2264](#) Organic Chemistry II and Laboratory

Semesters 5 and 6

- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture and Laboratory
- [PHYS2204](#) / [PHYS2202](#) University Physics II Lecture and Laboratory
- [CHEM3281](#) Biochemistry I

Major Requirements:

Years 5-7 – School of Pharmacy

- [PHRM6501](#) Intro Pharmacy Practice Experience
- [PHRM7105](#) Integrated Pharmacotherapy Neurology, Psychiatry,Anesthesiology
- [PHRM7106](#) Integrated Pharmacotherapy Infectious Disease
- [PHRM7107](#) Integrated Pharmacotherapy Cardiology/Pulmonary II
- [PHRM7108](#) Integrated Pharmacotherapy Endocrine, Urinary Tract, Renal, and Reproductive Health
- [PHRM7111](#) Integrated Pharmacotherapy II Conceptual Connections and Patient Care
- [PHRM7112](#) Integrated Pharmacotherapy III Conceptual Connections and Patient Care
- [PHRM7201](#) Dosage Forms and Drug Delivery Systems I
- [PHRM7202](#) Dosage Forms and Drug Delivery Systems II
- [PHRM7300](#) Evidence Based Practice II
- [PHRM7303](#) Evidence Based Practice III
- [PHRM7501](#) Introductory Pharmacy Practice Experience II
- [PHRM7701](#) Beyond the Curriculum
- [PHRM8109](#) Integrated Pharmacotherapy Immunologic, Rheumatologic, and Hematologic Disorders
- [PHRM8110](#) Integrated Pharmacotherapy Oncology
- [PHRM8111](#) Integrated Pharmacotherapy IV: Conceptual Connections and Patient Care
- [PHRM8112](#) Integrated Pharmacotherapy V: Conceptual Connections and Patient Care
- [PHRM8301](#) Pharmacoeconomics and Health Outcomes
- [PHRM8302](#) Public Health for Pharmacists
- [PHRM8402](#) Professional Pharmacy Practice IV: Leadership and Management
- [PHRM9101](#) Advanced Pharmacy Practice Experience: Community
- [PHRM9102](#) Advanced Pharmacy Practice Experience: Institutional
- [PHRM9103](#) Advanced Pharmacy Practice Experience: Am Care
- [PHRM9104](#) Advanced Pharmacy Practice Experience: Acute Care
- [PHRM9201](#)/[PHRM9526](#) Advanced Pharmacy Practice Experience Elective
- [PHRM9201](#)/[PHRM9526](#) Advanced Pharmacy Practice Experience Elective
- [PHRM9201](#)/[PHRM9526](#) Advanced Pharmacy Practice Experience Elective

- [PHRM9201](#)/[PHRM9526](#) Advanced Pharmacy Practice Experience Elective
- [PHRM9900](#) Pharmacy Capstone I
- [PHRM9901](#) Pharmacy Capstone II
- Elective Courses

A minimum of 124 credits is required for the BS degree; 96 of these are taken at the Metropolitan Campus in yrs. 1-3 + 28 credits (to be approved by department chair/director) in year 4 at FDU's School of Pharmacy.

[Back to Top](#)

Biology BS, Physical Therapy DPT: combined degree

The Physical Therapy Program is a collaborative combined-degree program between Fairleigh Dickinson University (FDU) and the **Rutgers University School of Health Professions** (Rutgers-SHP). The program specializes in doctoral-level education for individuals wishing to become physical therapists. Students in the Doctor of Physical Therapy (DPT) program receive state-of-the-art education that prepares them to be in the forefront of the physical therapy profession.

Physical Therapy means the examination, treatment and instruction of human beings to detect, assess, prevent, correct, alleviate and limit physical disability, movement, dysfunction, bodily malfunction, and pain from injury, disease and other bodily and mental conditions, and includes the administration, interpretation, and evaluation of tests and measurements. It includes the planning, administration, evaluation, and modification of treatment and instruction, including the use of physical measures, activities, and devices for the preventative and therapeutic purposes: and the provision of consultative, educational and other advisory services for the purpose of reducing the incidence and severity of physical disability, movement, dysfunction, bodily malfunction and pain. Physical therapists continue to be in demand throughout the United States.

Admission requirements

- High School graduation or equivalent diploma (GED)
- English as a Second Language (ESL) placement test is required and completion of ESL courses, if necessary.
- Earn a minimum of 550 on TOEFL Exam for applicants with foreign credentials who are transferring into the DPT program.
- Completion of any necessary developmental courses as determined by the University's Basic Skill Test.
- A minimum GPA of 2.75 is required for all transfer students.

Admission to Rutgers-SHP

- Complete all general education requirements maintaining an overall GPA of 3.0;
- Maintain a minimum GPA of 3.0 in all required science and math courses.
- Demonstrate knowledge of the physical therapy profession through actual work and/or volunteer experience;
- Demonstrate evidence of community service;
- Formally apply to the Rutgers-SHP Physical Therapy Program for the professional component of the program; (admission to the program cannot be guaranteed by FDU)
- Satisfactory score on all three sections (Verbal, Quantitative and Analytical) of the Graduate Record Exam (GRE);
- Submit three letters of recommendation; and
- Have basic computer literacy, including file management, use of work processing and spreadsheet programs, use of email and the internet

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate

ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech AND MEDT1130 Bioethics OR PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Florham Campus

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL3253, BIOL3254 Comparative Vertebrate Anatomy and Laboratory

- BIOL2003, BIOL2004 Cell Biology and Laboratory

Semesters 5 and 6

- BIOL3100, BIOL3101 Genetics and Laboratory
- BIOL3256, BIOL3257 Genetics (Lecture and Laboratory)
- BIOL3225/BIOL3226 General Microbiology and Laboratory
- BIOL3337, BIOL3327 General Physiology

Cognate Requirements

Semesters 1 and 2

- CHEM1201, CHEM1203 General Chemistry I and Laboratory
- CHEM1202, CHEM1204 General Chemistry II and Laboratory

Semesters 3 and 4

- CHEM2261, CHEM2263 Organic Chemistry I and Laboratory
- CHEM2262, CHEM2264 Organic Chemistry II and Laboratory

Semesters 5 and 6

- PHYS2203 / PHYS2201 University Physics I Lecture and Laboratory
- PHYS2204 / PHYS2202 University Physics II Lecture and Laboratory
- CHEM3281 Biochemistry I

Metro Campus

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Lab
- BIOL1233, BIOL1234 Molecules, Cells and Genes
- CHEM1201 General Chemistry I
- CHEM1203 General Chemistry Lab I
- CHEM1202 General Chemistry II
- CHEM1204 General Chemistry Lab II
- WRIT1002 Composition I: Rhetoric and Inquiry
- WRIT1003 Composition II: Research and Argument

- MATH1107 Precalculus
- MATH1201 Calculus I

Semester 3 and 4

- CHEM2261 Organic Chemistry I
- CHEM2263 Organic Chemistry Lab I
- CHEM2262 Organic Chemistry II
- CHEM2264 Organic Chemistry Lab II
- BIOL2203/BIOL2223 Anatomy and Physiology I and Lab
- BIOL2204/BIOL2224 Anatomy and Physiology II and Lab
- PSYC1201 General Psychology

Semesters 5 and 6

- PHYS2203 University Physics I
- PHYS2201 Physics Lab I
- PHYS2204 University Physics II
- PHYS2202 Physics Lab II
- PSYC2210 Psychological Statistics
- MEDT1130 Bioethics
- BIOL2125/BIOL2126 Microbiology for Health Sciences
- NURS3208 Introduction to Healthcare Economics
- NURS4420 Health Care Management

Back to Top

Biology BS, Pre-Professional combined degree

Admission requirements

Students who are in their fourth semester at FDU and who meet the application criteria may apply. Applicants must have had secondary school preparation in English, mathematics, biology, chemistry and physics. Please speak to the FDU preprofessional advisor for additional information on application criteria.

Major Requirements

The Program is designed for students who are accepted into professional school (e.g., School of Medicine, Dentistry, Chiropractic, and Optometry) after three years of undergraduate study. Twenty-nine credits earned during the first year of professional school are used to supplement the 95 credits earned at FDU to complete the 124 credits required for the BS degree.

A minimum of 123 credits is required for graduation with BS Biology.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper

equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation
- CHEM1201, CHEM1203 General Chemistry I and Laboratory
- CHEM1202, CHEM1204 General Chemistry II and Laboratory

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL2300 Experimental Design
- BIOL3050, BIOL3051 Molecular Cell Biology & Laboratory
- CHEM2261, CHEM2263 Organic Chemistry I and Laboratory
- CHEM2262, CHEM2264 Organic Chemistry II and Laboratory

Semesters 5 and 6

- BIOL3100, BIOL3101 Genetics and Laboratory
- BIOL3225/BIOL3226 General Microbiology and Laboratory
- BIOL3238/BIOL3239 Human Structure & Function I and Laboratory
- BIOL4405 Ethics in Science

- [BIOL4950](#) Biology Seminar
- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture and Laboratory
- [PHYS2204](#) / [PHYS2202](#) University Physics II Lecture and Laboratory
- [CHEM3281](#) Biochemistry I

Semesters 7 and 8

- Approved credits taken at professional school (29 credits)

[Back to Top](#)

Biology BS: Prepharmacy

BS Biology Pre-Pharmacy concentration is within the biology major and is not affiliated with a particular Pharmacy School. This concentration is designed to prepare a student to apply to Pharmacy School.

Program Outcomes for BS Biology

Students majoring in Biology develop the following skills and abilities:

Ability to use the scientific method and understand its strengths and weaknesses: Clearly states a hypothesis; Identifies not only the basics of the issue, but recognizes the nuances of the issue.

Ability to research a biological topic using traditional and computer technology: Provides a thorough and relevant literature review; Considers alternate ways to approach the questions; Ability to read and evaluate professional scientific literature; Demonstrates understanding of the relationship between experiment and theory.

Ability to write and communicate science: Writing enhances the presentation; Writing is consistently well written; Writing communicates clearly using the language of biology; Writing displays an excellent command of writing mechanics; Topics are clearly organized; Topics are covered in-depth; Topics display an abundance of original ideas; APA style is used consistently and accurately without any errors.

Ability to utilize mathematical reasoning and quantitative skills in biology: Analyzes data via graphs, statistics and curve fitting as appropriate; Possess observational and technical skills; Carries out controlled experiments using the proper equipment and safety measurements; Identifies relevant constraints; Collects data carefully and with appropriate precision; Uses initial data to refine the experiment.

Possess major field knowledge: Identifies an appropriate question by using prior knowledge; Ability to successfully compete in biologically related fields; Obtains acceptance into graduate/professional schools or employment in the field.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory
- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- BIOL2200, BIOL2201 Ecology & Field Biology and Laboratory **(or)**
- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL2300 Experimental Design
- BIOL3100, BIOL3101 Genetics and Laboratory

Semesters 5 and 6

- BIOL3050, BIOL3051 Molecular Cell Biology & Laboratory
- BIOL3___/4___ Biology Elective I
- BIOL3___/4___ Biology Elective II

Semesters 7 and 8

- BIOL3___/4___ Biology Elective III
- BIOL4950 Biology Seminar
- BIOL3___/4___ Biology Elective IV
- BIOL3___/4___ Biology Elective V

Students in the Pre-Pharmacy concentration (must take following courses as part of the their requirements):

- SPCH1107 Fundamentals of Speech
- PHIL1440 Bio-Medical Ethics
- ECON2001 Intro to Microeconomics
- BIOL3253, BIOL3254 Comparative Anatomy
- CHEM3281 Biochemistry I
- BIOL3337, BIOL3327 General Physiology

Back to Top

Business Administration BBA (Vancouver)

The Bachelor of Business Administration is a 120-credit program offered by FDU's Silberman College of Business. The degree will prepare you to become a leader in business and management — someone who will bring ethical perspectives to any professional environment.

Driven by the needs of global industry, our programming emphasizes professional development and enables our students to maximize their success while in school and long after they graduate. Employers increasingly seek students with a global mindset, who are entrepreneurial in their thinking and actions, and possess strong communication and analytical skills. Just ask those who have come before you and become prominent executives in the world of business.

Your business degree coursework will give you firsthand experience with the business community, providing you with proven methods in financial and strategic analysis, general business planning and implementation.

Program Highlights

The FDU community recognizes that the world of business and the landscape of business education is rapidly being transformed by new technologies and a global pandemic, leading to increased competition, complexity, and change. Our BBA program in Vancouver prepares you for the challenges of cross-border and cross-cultural business, for applying rapidly evolving technologies, for managing scarce resources, and for embracing the societal and environmental responsibilities that increasingly shape our world.

Silberman College at Fairleigh Dickinson University is a signatory to the United Nations Principles of Responsible Management Education (PRME) initiative and strives to foster and nurture positive community impact through the content and pedagogy of our educational programs. Additionally, Silberman College is the only business school in British Columbia to earn a *Level 4 Positive Impact Rating for Business Schools,* which demonstrates that the College works with students to prepare them as global change makers and equips them with the required competences to have a positive impact on society and the world.

AACSB Accredited Program

Our Bachelor of Business Administration program is accredited by AACSB International – The Association to Advance Collegiate Schools of Business. This "seal of approval" is the hallmark of excellence in management education and represents the highest standard of achievement for business schools worldwide. The Silberman College of Business at Fairleigh Dickinson University is one of only four AACSB accredited institutions in British Columbia.

International Business Concentration

The International Business concentration prepares students to understand and effectively participate in the management of business firms operating in a multinational environment. Courses examine in-depth theories and applied concepts relevant to conducting business in a competitive global arena.

Students may also elect to take a second concentration in Information Technology (MIS). Please consult with a local academic advisor for more details.

Minor in Digital Marketing

A Bachelor's degree in Business Administration, with an International Business concentration and a minor in Digital Marketing from the Silberman College of Business will prepare students for a career in this dynamic field and will equip you with the knowledge and skills to plan, design and manage a well-integrated marketing strategy This minor focuses on expanding traditional marketing theories and practices to the digital space by analyzing online consumer behavior and designing advertising and promotional strategies through digital and social media, and includes an internship with a local business active in the digital arena.

Minor in Financial Planning & Wealth Management

The 15-credit financial planning and wealth management minor provides an understanding of financial analysis, financial management, and financial systems. Required electives take students on a deeper dive into financial management, including courses in portfolio management and value creation. Recognized by the CFA Institute, which certifies financial professionals, this designation ensures that students receive the highest quality business education, are proficient in the essential areas of study for finance professionals, ethically centered, and prepared for the best jobs in the field.

Minor in Event & Convention Management

This Minor will help students understand the scope of the event and convention industry, the specific skills and knowledge needed to be successful in this segment and learn how it interacts and affects tourism, hospitality, and business. This five-course minor incorporates courses from both the Silberman College of Business and Hospitality & Tourism Management to provide students with the skills they need to become a successful event professional.

Accelerated 4 Plus 1 Combined Degrees

Students can earn both an undergraduate and graduate degree in just five years. This program offers a pathway for motivated and high performing students to earn a

bachelor's and a master's degree in one year less than it would traditionally take. The master's part of the degree is currently completed at our New Jersey campus in the USA.

For more information visit: MBA Core Curriculum

Internship Opportunities

During their last year of study, students have the opportunity to enroll in an internship either for credit or not for credit, within the fields of finance, management, or marketing. This has many benefits as it allows students to gain valuable work experience, develop and build upon skills, get a foot in the door at a company, etc.

Study Abroad Opportunities and Global Business Experience

Students can travel, meet other people, and learn about other cultures while studying and earning credits towards their degree. Numerous destinations are available including FDU Wroxton (UK), FDU New Jersey (USA), SKKU (Korea), IESEG (France), Zeppelin University (Germany), University of Monaco, Chengdu (China), and many more.

Career Prospects

Our alumni work in a variety of industries across the country, most notably: A&W, RBC, Scotiabank, Deloitte, KPMG. Surgmed, Partap Forest Products, C.H. Robinson, Intact, Urban Bella, Redgate Software, Century 21, East-West Education Services, Canucks Sports & Entertainment (CSE).

Post Graduation Work Permit (PGWP) eligibility: Yes

For international students, if you submit your study permit application on or after November 1, 2024, you must also meet the new requirements that apply to your situation to be eligible to apply for a PGWP.

- If you graduate from a university bachelor's degree, master's degree or doctoral degree program:
  - Field of study requirement: All fields of study are eligible. There is no additional field of study requirement.

As a university, graduates from all current FDU Vancouver programs, including the Bachelor of Business Administration, are eligible to apply for PGWP. There is no field of study requirement.

Immigration, Refugees and Citizenship Canada regulations regarding PGWP are subject to change. Please visit the IRCC website for latest details.

BBA Graduation Requirements

NOTE: The requirements below are detailed on the Silberman College of Business's webpage. Any student with specific questions should contact the advisor on their home campus.

Curriculum (120 credits)

Business Foundational Courses General Education

- [DSCI1234](#) Mathematics for Business Decisions
- [DSCI2029](#) Intro to Statistics
- [MIS1045](#) Information Technology for Business
- [ORGS1100](#) Ethical Issues in Social Institutions

Business Foundational Courses Business Core

- [ACCT2021](#) Introduction to Financial Accounting
- [ACCT2022](#) Introduction to Managerial Accounting
- [DSCI2130](#) Business Statistics
- [DSCI3152](#) Operations Management
- [ECON2001](#) Introduction to Microeconomics
- [ECON2102](#) Introduction to Macroeconomics
- [FIN3250](#) Principles of Financial Analysis
- [LAW2276](#) Business and the Law
- [MGMT2600](#) Organizational Behavior
- [MGMT4160](#) Strategic Management Forum
- [MIS2001](#) Management Information Systems
- [MKTG2120](#) Principles of Marketing

Restricted Business Core

- [ENTR2710](#) Fundamentals of Entrepreneurship & Innovation

Major Required Courses (International Business)

- [IBUS3201](#) Fundamentals of International Business
- [ECON4208](#) International Trade
- [MGMT3371](#) International Management
- [MKTG3371](#) Principles of International Marketing
- [MIS4303](#) Spreadsheet Applications in Business or
  [MIS4307](#) Introduction to E-Business

Major Elective Courses (2 courses)

- [ENTR3101](#) Small Business Management: An Entrepreneurial Perspective
- [ENTR3300](#) E-business for Entrepreneurs
- [FIN3330](#) Personal Financial Management
- [MGMT3620](#) Leadership and Personal Development
- [MGMT3700](#) Human Resources Management
- [MKTG3360](#) Digital Marketing
- [MKTG4272](#) Consumer Behavior
- [MKTG3383](#) Social Media Marketing
- [MKTG4365](#) Marketing Communications
- [WMA4350](#) Investment Planning
- [WMA4375](#) Risk Management & Insurance
- [WMA4267](#) Retirement Planning
- [WMA4380](#) Client Psyc/Financial Planning

BBA Completion Requirements

[Back to Top](#)

Business Administration BS

Equip yourself with Silberman's forward-thinking Business Administration major to be a sought-after graduate. You may choose to complete the Business Administration major with or without an area of concentration. The Business Administration major gives you the option to focus on an area of concentration by taking advanced business courses that help define your skill set.

All students enrolled in the Bachelor of Science program must complete the University and Business Core Curriculum in addition to the credits listed below your Business Administration major degree option.

BS in Business Administration without a concentration

BS Degree Requirements

Students pursuing a business administration major without a concentration must complete 21 credits of business major courses as follows:

Required courses

- [MIS4307](#) Introduction to E-Business OR
- [MIS4303](#) Spreadsheet Applications in Business

Major elective courses

Select 18 credits among the business major courses offered by the other Silberman College of Business majors (provided that course prerequisites have been met). No more than 9 of these credits can be taken in any given discipline. Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Information Systems concentration (optional)

Required courses

Four of the required courses are offered on the Metropolitan, Florham, and Vancouver campuses. Some of these courses are delivered remotely via Zoom.

- [MIS3307](#) Data Visualization
- [MIS3308](#) Intro to Python for Business
- [MIS4303](#) Advanced Excel

* MIS4304 Database Applications in Business

Select three elective business courses

Courses chosen from any permissible courses offered in other Silberman College of Business majors. Permissible means the student has satisfied all prerequisites for any course in which he/she wishes to enroll.

International Business concentration (optional)

The BS in Business Administration with an International Business concentration prepares you to understand and effectively participate in the management of business firms operating in a multinational environment. Courses examine in-depth theories and applied concepts relevant to conducting business in a competitive global arena.

Required courses

* IBUS3201 Fundamentals of International Business
* MKTG3371 Principles of International Marketing
* MGMT3371 Concepts of International Management
* ECON4208 International Trade
* MIS4307 Introduction to E-Business OR
  MIS4303 Advanced Excel

Two 3-credit electives

Select two elective courses from any permissible major courses offered in the other Silberman College of Business majors.

Professional Selling and Sales Management concentration (optional)

Required courses

*
    o MKTG3341 Professional Sales and Sales Management
    o MGMT4380, or WMA4380 Client Relations in Financial Management

Elective courses

Students choosing to a concentration in Professional Selling and Sales Management must also complete four elective courses. Select two elective courses from any of the following courses:

- MGMT3620 Leadership and Personal Development
- MGMT3700 Human Resources Management
- MKTG4272 Consumer Behavior
- WMA3335 Personal Financial Management

Additionally, select two elective courses at the 3000 or 4000 level in any of the following subject areas (ACCT, ENTR, FIN, MGMT, MKTG, MIS, and WMA) with the following exceptions: FIN3045, FIN3310, FIN4211, and ENTR2710.

For more information

Please contact an advisor.

Back to Top

Business Administration BS, Business Administration MBA: combined degree

Admission Requirements

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student

at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Finance
- BA/BS-MBA in Leadership and Managing Innovation
- BA/BS-MBA in Marketing
- BA/BS-MBA in Supply Chain Management

For more information, please email SCBGradAdvising@fdu.edu.

Back to Top

Business BS, Finance MBA combined degree

The 4 Plus 1 program is offered by the department of finance, decision sciences, economics, and international business, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

Admission Requirements

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must

complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MBA Core (34 credits)

Finance Specialization (9 credits)

- [FIN6600](#) Financial Markets: Theory and Practice
- [FIN6601](#) Strategic Global Corporate Finance
- [FIN6605](#) Investment and Portfolio Management

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Leadership and Managing Innovation
- BA/BS-MBA in Marketing
- BA/BS-MBA in Supply Chain Management

For more information, please email SCBGradAdvising@fdu.edu.

Business BS, Management MBA combined degree

The 4 Plus 1 program is offered by the department of marketing, management, and entrepreneurship, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

Admission Requirements

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MBA Core (34 credits)

Leadership and Managing Innovation Specialization (9 credits)

- [MGMT6605](#) Leadership Development
- [ENTR6606](#) Creating and Managing Breakthrough Innovation
- [MGMT6607](#) Leading Strategic Change and Sustainability

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Finance
- BA/BS-MBA in Marketing
- BA/BS-MBA in Supply Chain Management

For more information, please email SCBGradAdvising@fdu.edu.

[Back to Top](#)

Business BS, Marketing MBA combined degree

The 4 Plus 1 program is offered by the department of marketing, management, and entrepreneurship, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

Admission Requirements

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MBA Core (34 credits)

Marketing Specialization (9 credits)

- [MKTG6620](#) Marketing Research
- [MKTG6630](#) Consumer Behavior
- [MKTG6640](#) Foundations of Digital Marketing

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Finance
- BA/BS-MBA in Leadership and Managing Innovation
- BA/BS-MBA in Supply Chain Management

For more information, please email SCBGradAdvising@fdu.edu.

[Back to Top](#)

Business BS, Supply Chain Management MBA combined degree

The 4 Plus 1 program is offered by the department of finance, decision sciences, economics, and international business, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

Admission Requirements

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for Silberman College of Business students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MBA Core (34 credits)

Supply Chain Management (SCM) Specialization (12 credits)

- DSCI6820 Logistics Management
- DSCI6840 Global Sourcing, Procurement and Negotiations
- DSCI6780 Sustainable and Lean Six Sigma

- [DSCI7004](#) SCM Capstone Experience

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Finance
- BA/BS-MBA in Leadership and Managing Innovation
- BA/BS-MBA in Marketing

For more information, please email SCBGradAdvising@fdu.edu.

[Back to Top](#)

Chemistry BS

The BS in Chemistry is the primary degree for entry into the chemical and pharmaceutical industry and also for graduate programs in chemistry, biochemistry, pharmaceutical chemistry, biomedical engineering, and many other areas. This degree is especially suitable for potential applicants to professional schools in medicine, pharmacy, and veterinary medicine. Premed students usually take the MCAT exam in their junior years after completing organic chemistry. The curriculum is certified by the American Chemical Society (Florham).

Program Outcomes for BS Chemistry

Students majoring in Biology develop the following skills and abilities:

- Demonstrate a solid foundation in chemistry including the vocabulary, concepts, methods, and procedures that will allow them to be competitive when entering industry, graduate, and professional schools.
- Write and speak clearly on chemical topics and demonstrate a mastery of these topics through their written and oral communications.
- Excel at utilizing information resources including primary and secondary literature in the field using modern tools to locate and retrieve scientific information.
- Demonstrate qualitative and quantitative critical reasoning skills allowing them to interpret experimental data and evaluate its significance.
- Use standard laboratory equipment, modern instrumentation, and classical techniques to carry out experiments while following proper procedures and regulations for safe handling and use of chemicals and equipment.

Degree Plan

All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor's degree requirements.

Semesters 1 and 2

- [CHEM1201](#) General Chemistry I Lecture
- [CHEM1203](#) General Chemistry I Laboratory
- [CHEM1202](#) General Chemistry II Lecture
- [CHEM1204](#) General Chemistry II Laboratory

Semesters 3 and 4

- [CHEM2261](#) Organic Chemistry I Lecture
- [CHEM2263](#) Organic Chemistry I Laboratory
- [CHEM2262](#) Organic Chemistry II Lecture
- [CHEM2264](#) Organic Chemistry II Laboratory

Semesters 5

- [CHEM3241](#) Physical Chemistry I Lecture
- [CHEM3243](#) Physical Chemistry I Laboratory
- [CHEM3281](#) Biochemistry I Lecture

- CHEM3389 Biochemistry I Laboratory

Semester 6

- CHEM3242 Physical Chemistry II Lecture
- CHEM3244 Physical Chemistry II Laboratory

Semester 7

- CHEM2211 Inorganic Chemistry Lecture
- CHEM2221 Analytical Chemistry Lecture
- CHEM2223 Analytical Chemistry Laboratory

Semester 8

- CHEM2314 Inorganic Chemistry Laboratory
- CHEM4215 Advanced Inorganic Chemistry
- CHEM4233 Instrumental Analysis Lecture
- CHEM4234 Instrumental Analysis Laboratory
- CHEM4401 Chemistry Seminar

Cognate Requirements

Semesters 1 and 2

- MATH1201 Calculus I
- MATH2202 Calculus II

Semesters 3 and 4

- PHYS2203 / PHYS2201 University Physics I Lecture / Laboratory
- PHYS2204 / PHYS2202 University Physics II Lecture / Laboratory

Major Requirements

Science Electives: Any upper-level (3000 or 4000) undergraduate or graduate science course or Independent Study

Free Electives: May be chosen from any courses offered at the University after consultation with an advisor (student may not take [BIOL1101](#)/[BIOL1102](#)). (Foreign language is recommended for students intending to go to graduate school.)

Advanced Mathematics Course: select one course, three credits, from the following:

- [MATH2203](#) Calculus III
- [MATH2337](#) Applied Statistics

Major electives: Take 1-8 credits of CHEM or BIOL. Please see an advisor for a list of courses.

A minimum of 120 credits is required for graduation.

QUEST Options available

- BS in Chemistry-MAT, Secondary Ed and Special Ed Concentration
- BS in Chemistry-MAT, Elementary Ed Concentration
- BS in Chemistry-MAT, Secondary Ed Concentration
- BS in Chemistry-MAT, Elementary Ed and Special Ed Concentration
- BS in Chemistry-MAT, P-3 Certification
- BS in Chemistry-MAT, Secondary Ed and ESL

[Back to Top](#)

Chemistry BS, Cosmetic Science MS: combined degree

The Department of Chemistry, Biochemistry and Physics offers a five-year program that allows qualified students to attain a Bachelor of Science degree in Chemistry and a Master of Science degree in Cosmetic Science.

Program Outcomes for BS Chemistry

Students majoring in Biology develop the following skills and abilities:

- Demonstrate a solid foundation in chemistry including the vocabulary, concepts, methods, and procedures that will allow them to be competitive when entering industry, graduate, and professional schools.
- Write and speak clearly on chemical topics and demonstrate a mastery of these topics through their written and oral communications.
- Excel at utilizing information resources including primary and secondary literature in the field using modern tools to locate and retrieve scientific information.
- Demonstrate qualitative and quantitative critical reasoning skills allowing them to interpret experimental data and evaluate its significance.
- Use standard laboratory equipment, modern instrumentation, and classical techniques to carry out experiments while following proper procedures and regulations for safe handling and use of chemicals and equipment.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Semesters 1 and 2

- [CHEM1201](#) General Chemistry I Lecture
- [CHEM1203](#) General Chemistry I Laboratory
- [CHEM1202](#) General Chemistry II Lecture
- [CHEM1204](#) General Chemistry II Laboratory

Semesters 3 and 4

- [CHEM2261](#) Organic Chemistry I Lecture
- [CHEM2263](#) Organic Chemistry I Laboratory
- [CHEM2262](#) Organic Chemistry II Lecture

- CHEM2264 Organic Chemistry II Laboratory

Semesters 5

- CHEM3241 Physical Chemistry I Lecture
- CHEM3243 Physical Chemistry I Laboratory
- CHEM3281 Biochemistry I Lecture
- CHEM3389 Biochemistry I Laboratory

Semester 6

- CHEM3242 Physical Chemistry II Lecture
- CHEM3244 Physical Chemistry II Laboratory

Semester 7

- CHEM2211 Inorganic Chemistry Lecture
- CHEM2221 Analytical Chemistry Lecture
- CHEM2223 Analytical Chemistry Laboratory
- Cosmetic Science Requirement

Semester 8

- CHEM2314 Inorganic Chemistry Laboratory
- CHEM4215 Advanced Inorganic Chemistry (or)
- CHEM6773 Polymer Chemistry
- CHEM4233 Instrumental Analysis Lecture
- CHEM4234 Instrumental Analysis Laboratory
- CHEM4401 Chemistry Seminar
- Cosmetic Science Requirement
- Cosmetic Science Elective

9th Semester

- Cosmetic Science Requirement (6 credits)
- Cosmetic Science Elective (3 credits)
- Graduate Elective (3 credits)

10th semester

- Cosmetic Science Requirement (6 credits)
- [COSC6548](#) Cosmetic Science Lab
- Graduate Elective (3 credits)

Cognate Requirements

Semesters 1 and 2

- [MATH1201](#) Calculus I
- [MATH2202](#) Calculus II

Semesters 3 and 4

- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture / Laboratory
- [PHYS2204](#) / [PHYS2202](#) University Physics II Lecture / Laboratory

Major Requirements

Major Electives

Take 1-8 credits of CHEM or BIOL. Please see an advisor for a list of courses.

Advanced Mathematics Course

Select one course, three credits, from the following:

- [MATH2203](#) Calculus III
- [MATH2337](#) Applied Statistics

Free Electives

May be chosen from any courses offered at the University after consultation with an advisor.

Graduate Courses for BS and MS degree

Students should consult with their advisors for course selections and new course offerings.

Required Courses

Twenty additional credits from the following:

- COSC6547 Skin Care Raw Materials & Formulations
- COSC6543 Hair Care Raw Materials & Formulations
- COSC6548 Cosmetic Science Laboratory
- COSC6753 Applied Colloid & Surface Science
- CHEM6526 Product Development
- CHEM6529 Microtoxicity and Biochemistry
- COSC6756 Dermal Pharmacology & Immunology

Cosmetic Science Electives (6 credits)

- CHEM6546 Perfumery
- BIOL6728 Bioethics
- COSC6549 Color Cosmetics
- COSC6542 Claims Substantiation
- CHEM6781 Biochemistry
- CHEM6773 Polymer Chemistry

Graduate Electives (6 credits)

Includes graduate courses in Chemistry, Biology, Marketing, Pharmaceutical Chemistry, Management, Communication, or Cosmetic Science.

A minimum of 120 credits is required for the BS degree, and a minimum of an additional 23 credits for the MS degree, for a total of 143 credits for the combined degree.

Back to Top

Chemistry BS, Pharmacy PharmD: combined degree

Fairleigh Dickinson University's Accelerated 7- Year BS in Chemistry/PharmD program provides a platform for currently enrolled students at both New Jersey campuses who are interested in FDU's Doctor of Pharmacy program within the School of Pharmacy.

High achieving students can enter into one of three accelerated tracks (in Biochemistry, Biology or Chemistry) with the potential to matriculate into the School of Pharmacy following completion of three years of undergraduate study. Students who maintain a 3.3 GPA with no pharmacy prerequisite course below a B- are guaranteed an interview for admission to the Doctor of Pharmacy program. A letter of recommendation from a faculty member or advisor is also required.

Following the interview process, students admitted to the Doctor of Pharmacy program will maintain their undergraduate scholarships and aid during the fourth "bridge" year while completing both their first professional year of study and their baccalaureate degree in their major area of study.

Program Outcomes for BS Chemistry

Students majoring in Biology develop the following skills and abilities:

- Demonstrate a solid foundation in chemistry including the vocabulary, concepts, methods, and procedures that will allow them to be competitive when entering industry, graduate, and professional schools.
- Write and speak clearly on chemical topics and demonstrate a mastery of these topics through their written and oral communications.
- Excel at utilizing information resources including primary and secondary literature in the field using modern tools to locate and retrieve scientific information.
- Demonstrate qualitative and quantitative critical reasoning skills allowing them to interpret experimental data and evaluate its significance.
- Use standard laboratory equipment, modern instrumentation, and classical techniques to carry out experiments while following proper procedures and regulations for safe handling and use of chemicals and equipment.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

PharmD Pre-requisite; must have a grade of B- or higher.

Semesters 1 and 2

- [CHEM1201](#) General Chemistry I Lecture
- [CHEM1203](#) General Chemistry I Laboratory
- [CHEM1202](#) General Chemistry II Lecture
- [CHEM1204](#) General Chemistry II Laboratory

Semeters 3 and 4

- [CHEM2261](#) Organic Chemistry I Lecture
- [CHEM2263](#) Organic Chemistry I Laboratory
- [CHEM2262](#) Organic Chemistry II Lecture
- [CHEM2264](#) Organic Chemistry II Laboratory

Semesters 5

- [CHEM3241](#) Physical Chemistry I Lecture
- [CHEM3243](#) Physical Chemistry I Laboratory
- [CHEM4233](#) Instrumental Analysis Lecture
- [CHEM4234](#) Instrumental Analysis Laboratory
- [CHEM3281](#) Biochemistry I Lecture
- [CHEM3389](#) Biochemistry I Laboratory

Semester 6

- [CHEM2221](#) Analytical Chemistry Lecture
- [CHEM2223](#) Analytical Chemistry Laboratory
- [CHEM3242](#) Physical Chemistry II Lecture
- [CHEM3244](#) Physical Chemistry II Laboratory
- [CHEM3282](#) Biochemistry II Lecture

Semester 7

- PHRM6100   Foundations in Pharmaceutical Science
- PHRM6101   Foundations in Integrated Pharmacotherapy I
- PHRM6201   Pharmaceutics I: Physical Pharmacy
- PHRM6211   Pharmaceutical Calculations
- PHRM6301   Medical Comm & Technical Writing
- PHRM6321   Pharmacy Law & Ethics
- PHRM6401   Professional Pharmacy Practice I: Health Care Delivery
- PHRM6700   Beyond the Curriculum: Foundations in Pharmacy Education (1)

Semester 8

- PHRM6102   Integrated Pharmacotherapy II: Gastrointestinal
- PHRM6103   Integrated Pharmacotherapy III: Dermatology
- PHRM6104   Integrated Pharmacotherapy IV: Cardiology
- PHRM6111   Intg Pharmacotherapy Conceptual Cnctn
- PHRM6202   Pharmaceutics II – Oral Dosage Forms and Biopharmaceutics/ Pharmacokinetics
- PHRM6402   Professional Pharmacy Practice II: Communication in Health Care
- PHRM6212   Pharmaceutical Calculations II
- PHRM6701   Beyond the Curriculum:Foundations in Pharmacy Education (2)

Cognate Requirements

Semesters 1 and 2

- MATH1201 or MATH1203 Calculus I
- MATH2202 Calculus II
- BIOL1221 / BIOL1222 Biological Diversity Lecture / Laboratory
- BIOL1233 / BIOL1234 Introduction to Molecules, Cells and Genes Lecture / Laboratory

Semesters 3 and 4

- PHYS2203 / PHYS2201 University Physics I Lecture / Laboratory

- PHYS2204 / PHYS2202 University Physics II Lecture / Laboratory

Semester 5 and 6

- BIOL3238/BIOL3239 Human Structure & Function I \ Laboratory
- MATH2337 Applied Statistics
- BIOL3357/BIOL3358 Human Structure & Function II \ Laboratory

Major Requirements

Years 5-7 at School of Pharmacy

- PHRM6501   Intro Pharmacy Practice Experience
- PHRM7105   Integrated Pharmacotherapy V: Neurology, Psych. Anesth.
- PHRM7106   Integrated Pharmacotherapy VI: Infectious Disease
- PHRM7107   Integrated Pharmacotherapy VII: Pulmonary, EENT
- PHRM7108   Integrated Pharmacotherapy VIII: Endocrine, Renal, Repro.
- PHRM7111   Integrated Pharmacotherapy V-VI: Conceptual Connection
- PHRM7112   Integrated Pharmacotherapy VII-VIII: Conceptual Connection
- PHRM7201   Pharmaceutical Dispensing & Compounding
- PHRM7202   Pharmaceutics III: Sterile Products & Biopharmaceuticals
- PHRM7301   Biostatics
- PHRM7302   Epidemiology & Public Health
- PHRM7401   Professional Pharmacy Practice III: Informatics/Drug Info.
- PHRM7501   Introductory Pharmacy Practice Experience II
- PHRM7701   Beyond the Curriculum II
- PHRM8109   Integrated Pharmacotherapy IX: Autoimmune & Rare
- PHRM8110   Integrated Pharmacotherapy X: Hematology/Oncology
- PHRM8111   Integrated Pharmacotherapy I-X: Whole System Overview
- PHRM8112   Case Studies in Pharmacy
- PHRM8201   Pharmacogenomics & Personalized Medicine
- PHRM8202   Pharmacogenomics & Personalized Medicine
- PHRM8301   Pharmacoepidemiology, Pharmacoeconomics, Outcomes
- PHRM8302   Public Health & the Global Mission of Pharmacy
- PHRM8402   Professional Pharmacy Practice IV: Leadership/Management

- [PHRM8501](#)   Introductory Pharmacy Practice Experience III
- [PHRM9101](#)   Advanced Pharmacy Practice Experience I: Community
- [PHRM9102](#)   Advanced Pharmacy Practice Experience II: Institutional
- [PHRM9103](#)   Advanced Pharmacy Practice Experience III: Am Care
- [PHRM9104](#)   Advanced Pharmacy Practice Experience IV: Acute Care
- PHRM92XX   Advanced Pharmacy Practice Experience V: Elective
- PHRM93XX   Advanced Pharmacy Practice Experience VI: Elective
- PHRM94XX   Advanced Pharmacy Practice Experience VII: Elective
- PHRM95XX   Advanced Pharmacy Practice Experience VIII: Elective
- [PHRM9900](#)   Pharmacy Capstone

Elective Courses 21

A minimum of 123 credits is required for the BS degree; 99 of these are taken at the Metropolitan Campus in yrs. 1-3 + 24 credits (to be approved by department chair/director) in year 4 at FDU's School of Pharmacy. Students not accepted into FDU's School of Pharmacy have the option of switching out of the BS in Biochemistry, PharmD combined degree and into another concentration.

[Back to Top](#)

Civil Engineering BSCE

Civil engineering is one of the most important engineering disciplines, affecting everybody's daily life everywhere in the world. It is the second-oldest engineering discipline after military engineering. Civil engineers are employed in both public and private sectors, including municipal public works departments, state and federal government agencies and private domestic and global companies. As the nation's infrastructure ages, more civil engineers will be needed to supervise projects that maintain, repair, rebuild or upgrade highways, bridges, canals, tunnels, dams, waste-

treatment plants and water systems. They are also needed to design and build new houses, buildings, highways and various components of infrastructure as the population continues to grow. Moreover, civil engineers contribute to environmental sustainability and protection and energy conservation by designing, building and maintaining smart green buildings and cities, as well as managing renewable-energy projects. They build structures that benefit mankind for hundreds of years and that stood the test of time. The civil engineering profession is consistently ranked among the top earners. It has substantial career opportunities, excellent average starting salary, very good median long-term salary, robust job growth and great career fulfillment. The demand for civil engineers will further increase when the $1-trillion Infrastructure Investment and Jobs Act is implemented over the next eight years.

Civil engineering graduates work in the industry as civil engineers, typically specializing in:

- Construction
- Geotechnical
- Structural
- Transportation

Job Titles

- Project engineers
- Project managers
- Job superintendents
- Contractors
- Estimators
- Schedulers
- Examiners
- Surveyors

As the nation's infrastructure ages, more civil engineers will be needed to supervise projects that maintain, repair, rebuild, or upgrade highways, bridges, dams, waste treatment plants, and water systems. Civil engineers are also needed to design and build new houses, buildings, highways, and various components of infrastructure as the population continues to grow. Moreover, they will contribute to energy conservation, environmental sustainability, and environmental protection by building and maintaining smart green buildings and cities, as well as managing renewable energy projects,

including building structures to support solar arrays and wind turbines in addition to dams and geothermal plants.

The BSCE curriculum provides students with a varied and balanced educational experience through an appropriate combination of theoretical concepts and practical applications. It also provides them with an engineering design experience that expands in breadth and depth as they progress through their studies. A stimulating course of study is maintained by offering students a variety of contemporary courses. The engineering laboratory experience is fully integrated with coursework. Students work in state-of-the-art laboratories.

The program focuses on three key areas of civil engineering:

- Structural
- Geotechnical
- Environmental engineering

Students will learn to analyze, test, and use soils and construction materials; design, build, operate, and maintain infrastructure and facilities; estimate construction costs; manage projects; and interpret contracts and specifications.

Professional Accreditation

The BS in Civil Engineering program is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org.

Educational Objectives

The educational objectives of the BS in Civil Engineering program define the career and professional accomplishments that the graduates are being prepared to achieve three to four years after graduation. The program will produce graduates who:

1. Enter into and advance in the profession of civil engineering, particularly in the areas of structural, geotechnical, or environmental engineering.
2. Continue their formal education and obtain advanced degrees in civil engineering or other related fields.
3. Become responsible professionals and global citizens who are aware of ethical issues and societal needs and problems.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of the program constituencies, which include students, alumni, employers, faculty, and the Industrial Advisory Board.

Student Outcomes

The BS in Civil Engineering program has adopted the student outcomes of the Engineering Accreditation Commission (EAC) of ABET as its own student outcomes, which define the attributes, skills and knowledge that the graduates are expected to possess upon or before graduation. Each civil engineering graduate will demonstrate the following attributes and achievements as required by the EAC of ABET upon or before graduation:

1. An ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Cooperative Education Option

Students in the BS in Civil Engineering program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives. Note that these credits may not be substituted for any required coursework. The co-op experience provides students a real-world grounding, linking theory and practice, academic and industrial experiences, and college education and

lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and professional contacts, and allows them to experience career fields before graduation. Industry benefits from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Degree Plan

The program requires the successful completion of 121 credits with a minimum cumulative grade point ratio of 2.00. The credit distribution is as follows:

Semester 1 (15 credits)

- ENGR1301 Engineering Practices, Graphics and Design (3 credits)
- MATH1201 Calculus I (4 credits)
- PHYS2201 Physics Laboratory I (1 credit)
- PHYS2203 University Physics I Lecture (3 credits)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

Semester 2 (14 credits)

- ENGR1223 Introduction to CAD (2 credits)
- MATH2202 Calculus II (4 credits)
- PHYS2202 Physics Laboratory II (1 credit)
- PHYS2204 University Physics II Lecture (3 credits)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

Semester 3 (16 credits)

- CENG1205 Surveying I (3 credits)
- CENG1245 Construction Materials and Systems (3 credits)
- CHEM1201 General Chemistry I (3 credits)
- CHEM1203 General Chemistry Laboratory I (1 credit)
- ENGR2221 Statics (3 credits)
- MATH2210 Differential Equations (3 credits)

Semester 4 (15 credits)

- ENGR1204 Programming Languages in Engineering (3 credits)
- ENGR2210 Technical Communications (3 credits)
- ENGR2228 Strength of Materials (3 credits)
- ENGR3431 Dynamics (3 credits)
- MATH3220 Linear Algebra (3 credits)

Semester 5 (15 credits)

- CENG3250 Structural Analysis (3 credits)
- CENG4241 Soil Mechanics (3 credits)
- ENGR4254 Fluid Mechanics (3 credits)
- MATH2203 Calculus III (3 credits)
- ENGR4221 Engineering Statistics and Reliability (3 credits)

Semester 6 (15 credits)

- CENG4242 Foundations (3 credits)
- CENG4320 Transportation Engineering (3 credits)
- ENGR3351 Applied Thermodynamics (3 credits)
- CENG3256 Steel Structures (3 credits)
- CENG3257 Concrete Structures (3 credits)

Semester 7 (16 credits)

- ENGR4210 Managerial and Engineering Economic Analysis (3 credits)
- Technical Elective (3 credits)
- UNIV2001 Cross-Cultural Perspectives (3 credits)
- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- Science Elective (4 credits)

Semester 8 (15 credits)

- CENG3260 Environmental Engineering (3 credits)
- CENG3270 Environmental and Land Use Planning (3 credits)

- CENG4385 Senior Design Project (3 credits)
- Technical Elective (3 credits)
- UNIV2002 Global Issues (3 credits)

Technical Electives (6 credits)

The student must take 6 credits of technical electives, to be chosen from the following:

- CENG1206 Surveying II (3 credits)
- CENG3261 Estimating I (3 credits)
- CENG4260 Contracts and Specifications (3 credits)
- CENG4272 Advanced Steel Design (3 credits)
- CENG4276 Advanced Concrete Design (3 credits)
- CENG4321 Bridge Design (3 credits)
- EENG2221 Signals and Systems I (3 credits)
- ENGR3211 Engineering Materials I (3 credits)
- ENGR4001, ENGR4002 FE/EIT Exam Preparation I (2 credits) and II (1 credit)
- ENGR4263 Project Management in Engineering and Technology (3 credits)
- MENG4040 Heating, Ventilation and Air Conditioning (3 credits)
- MENG4356 Stress and Vibration Analyses (3 credits)

Science Elective (4 credits)

The student must take 4 credits of lab science electives, to be chosen from the following list:

- BIOL1001, BIOL1011 Principles of Modern Biology (Lecture (4 credits); Laboratory (0))
- BIOL1105, BIOL1115 The Human Environment (Lecture (4 credits); Laboratory (0))
- ENVR1001, ENVR1002 Introduction to Environmental Science (Lecture (4 credits); Laboratory (0))
- ENVR1101, ENVR1102 Physical Geology (Lecture (4 credits); Laboratory (0))

Special Information

The U.S. Bureau of Labor Statistics, Employment Projections Program, projected the employment number of civil engineers to increase nationwide from 272,900 in 2012 to 326,600 in 2022 for an increase of 20% (53,700), which was significantly higher than 11% for all occupations and 9% for all types of engineers. It also reported the median annual salary for civil engineers with five years of experience and more was $79,340 in May 2012. As provided in the January 2013 Salary Survey conducted by the National Association of Colleges and Employers (NACE), the average starting salary of 2012 civil engineering graduates was $57,600, ranked #7 among the top ten earners. The Survey analyzed the actual starting salary data of Class of 2012 graduates from about 90 disciplines as reported by approximately 400,000 employers. Also, U.S. News's The 100 Best Jobs of 2014 ranked civil engineering profession at #18. Thus, the civil engineering program/profession will be very attractive to prospective students because of its excellent career opportunities, outstanding average starting salary, excellent median long-term salary, good job growth projected from 2012 to 2022, and great career fulfillment.

Program Enrollment and Degree Data

The official fall term enrollments of the BS in Civil Engineering program for the last five academic years and the number of degrees conferred during each of those years.

The official fall term enrollments of the BS in Civil Engineering program for the last five academic years and the number of degrees conferred during each of those years.

	Academic Year		Enrollment Year					Degrees Awarded
			1st	2nd	3rd	4th	Total	
Current Year	2022-2023	FT	25	5	8	10	48	*Not Available
		PT						
1	2021-2022	FT	19	15	10	4	48	14
		PT	1		1	4	6	
2		FT	18	7	13	10	48	

	2021-2020	PT			2	1	3	11
3	2020-2019	FT	14	13	11	5	43	
		PT			2		2	1
4	2019-2018	FT	24	9	5		38	
		PT		2			2	

FT- full time; PT- part time

Contact Information

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[Back to Top](#)

Civil Engineering Technology BSCivET

The Bachelor of Science in Civil Engineering Technology (BSCivET) program educates and trains students for industrial positions requiring a sophisticated, applied technical orientation in planning, designing, building and maintaining infrastructure and facilities. The curriculum consists of an integrated sequence of undergraduate courses emphasizing the application of engineering and scientific knowledge, methods, technology and technical skills appropriate to the civil engineering technology discipline. The program graduates are capable of solving design and applied-engineering problems, as well as performing managerial, business and sales functions. The

graduates work in areas such as transportation, water systems, utilities, structures, pollution control, surveying, soil mechanics and foundations. Job responsibilities would include design, development, liaison, cost estimation, supervision, installation, testing, maintenance, services or sales. The civil engineering technology profession has substantial career opportunities, excellent average starting salary, very good median long-term salary, robust job growth, and great career fulfillment. The demand for the program graduates will further increase, as the $1 trillion Infrastructure Investment and Jobs Act is implemented over the next eight years.

The program is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) at the Metropolitan Campus, Teaneck, New Jersey. The BS in Civil Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET.

The faculty members maintain excellent communication with the industry and encourage students to gain industrial experience through cooperative education. Laboratory and industry-oriented project assignments complement the lectures and recitations throughout the program to provide students with these learning opportunities that are crucial to their success in the workplace. Students work in state-of-the-art laboratories. A capstone project based on an approved written proposal is required in the eighth semester for all students.

Professional Accreditation

The BS in Civil Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, https://www.abet.org.

Educational Objectives

The educational objectives of the BS in Civil Engineering Technology program define the career and professional accomplishments that the graduates are being prepared to achieve three to four years after graduation. The program will produce graduates who:

1. Enter into and advance their careers in the planning, design, construction, operation or maintenance of buildings and infrastructures utilizing their theoretical knowledge and practical skills in analyzing and designing systems or structures, specifying construction methods and materials, performing cost estimates and analyses, and inspecting and managing civil projects.

2. Continue their formal education and obtain advanced degrees such as MS in construction management, MBA (industrial management), MS in environmental studies, MS in technology management or other related fields.

3. Continue to conduct themselves as both responsible professionals and global citizens who are aware of and who understand ethical issues and societal needs and problems.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of the program constituencies, which include students, alumni, employers, faculty, and the Industrial Advisory Board.

Student Outcomes

Each civil engineering technology graduate will demonstrate the following attributes and achievements as required by the ETAC of ABET upon or before graduation:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;

2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;

3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;

4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and

5. An ability to function effectively as a member as well as a leader on technical teams.

Cooperative Education or Work Experience Option

Students in the BS in Civil Engineering Technology program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives. The co-op experience provides students a real-world grounding, linking theory and practice, academic and industrial experiences, and college education and lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and professional contacts and allows them to experience career fields before graduation.

Industry benefits from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Instead of undertaking cooperative education, students may earn up to 6 academic credits for appropriately documented industrial experience (Work Experience) counted toward their technical electives. Note that credits earned from industrial experience and/or cooperative education may not be substituted for any required course work and that they altogether may not exceed a total of six credits. Students must have successfully completed the course EGTG2210 Technical Communications before the application for "Work Experience" credits can be considered. The application form and directions for submission of necessary documents in support of the application may be obtained from the office of GHSCSE.

Degree Plan

The program requires the successful completion of 120 credits with a minimum cumulative grade point ratio of 2.00 as described below.

1st Semester (15 credits)

- ENGR1301 Engineering Practices, Graphics and Design (3 credits)
- MATH1107 Precalculus (4 credits)
- PHYS2101 General Physics I (3 credits)
- PHYS2201 Lab: Physics I (1 credit)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

2nd Semester (14 credits)

- EGTC1223 Introduction to CAD (2 credits)
- MATH1201 Calculus I (4 credits)
- PHYS2102 General Physics II (3 credits)
- PHYS2202 Lab: Physics II (1 credit)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

3rd Semester (17 credits)

- CHEM1201 General Chemistry I (3 credits)

- CHEM1203 General Chemistry Laboratory I (1 credit)
- EGTC1205 Surveying I (3 credits)
- EGTC1245 Construction Materials and Systems (3 credits)
- EGTG2221 Statics (3 credits)
- MATH2202 Calculus II (4 credits)

4th Semester (15 credits)

- EGTG2210 Technical Communications (3 credits)
- EGTG2228 Strength of Materials (3 credits)
- EGTG4221 Engineering Statistics and Reliability (3 credits)
- ENGR1204 Programming Languages in Engineering (3 credits)
- ENGR3000 Modern Technologies (3 credits)

5th Semester (15 credits)

- EGTC3250 Structural Analysis (3 credits)
- EGTC3261 Estimating I (3 credits)
- EGTC4241 Soil Mechanics (3 credits)
- EGTG4254 Fluid Mechanics (3 credits)
- EGTC3257 Concrete Structures (3 credits)

6th Semester (15 credits)

- EGTC4242 Foundations (3 credits)
- EGTG3351 Applied Thermodynamics (3 credits)
- EGTG3431 Dynamics (3 credits)
- EGTC3256 Steel Structures (3 credits)
- Tech Elective (3 credits)

7th Semester (15 credits)

- EGTC4263 Project Management and Control I (3 credits)
- EGTG2215 Circuits I (3 credits)
- EGTG3211 Materials Technology I (3 credits)
- EGTG4269 Management and Engineering Economics (3 credits)
- UNIV2001 Cross Cultural Perspectives (3 credits)

8th Semester (14 credits)

- [EGTC3270](#) Environment and Land Use Planning (3 credits)
- [EGTC4385](#) Civil Technology Design Project (2 credit)
- Technical Electives (6 credits)
- [UNIV2002](#) Global Issues (3 credits)

Technical Electives

The student must take 6 credits of technical electives, to be chosen from the following list:

- [CHEM1202](#) General Chemistry II with [CHEM1204](#) Lab: General Chemistry II
- [EGTC4320](#) Highway Design
- [EGTC4321](#) Bridge Design
- [EGTC4322](#) Hydraulic Design
- [EGTC4323](#) Seismic Design
- [EGTM4356](#) Stress and Vibration Analyses
- [EGTC1206](#) Surveying II
- [EGTC4276](#) Advanced Concrete Design
- [EGTC4272](#) Advanced Steel Design
- [EGTC4260](#) Contracts & Spec.
- [EGTC4264](#) Project Management II
- [EGTC3262](#) Estimating II

Other technical electives may be taken with prior approval from the GHSCSE Director or their designee. Up to 6 credits for work experience or cooperative education experience but not both may be used in place of technical electives.

Program Enrollment and Degree Data

The official fall term enrollment figures (head count) of the BS in Civil Engineering Technology program for the last five academic years and the number of degrees conferred during each of those years.

Academic Year	Enrollment Year				Total	Degrees Awarded
	1st	2nd	3rd	4th		

2018 -2019	FT	2	5	6	10	23	Not yet available
	PT			1		1	
2017 -2018	FT	6	5	10	8	29	12
	PT		1		3	4	
2016 -2017	FT	14	6	9	13	42	15
	PT		1		2	3	
2015 -2016	FT	22	12	11	8	53	14
	PT	1			4	5	
2014-2015	FT	20	15	5	12	52	10
	PT	1			1	2	

FT- full time, PT- part time

Contact Information

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Clinical Laboratory Sciences BS

Medical Laboratory Scientists (also known as "Clinical Laboratory Scientists") are clinical laboratory professionals who play a major role in patient care, providing laboratory data which are crucial for the diagnosis of diseases, the management of patient therapy and maintenance of health. Medical Laboratory scientists perform a wide variety of analytical procedures requiring expertise in state-of-the-art technology and instrumentation, as well as organizational, problem solving and communication

skills. Major disciplines in medical technology include clinical chemistry, clinical immunology, clinical microbiology, hematology, and immunohematology. They perform sophisticated chemical, biological, microscopic, and bacteriological tests using some of the most advanced equipment in healthcare. For example, medical laboratory scientists microscopically examine blood, make cultures of fluid or tissues the samples, use computers to verify and organize lab data, and analyze the samples for chemical content or reaction.

Medical Laboratory Scientists have the versatility to be employed in a variety of settings, including hospitals, independent laboratories, clinics, physicians' offices, local/state and government agencies, pharmaceutical and cosmetic firms, veterinary offices, and research institutions.

- Employment rate in various healthcare laboratories in the tri-state area: 100%
- Starting salary after degree completion by the Bureau of Labor Statistics: >$70,000

The **Bachelor of Science (BS) in Clinical Laboratory Science** degree will prepare graduates as medical laboratory scientists through a partnership program leading to a BS degree awarded jointly between FDU and Rutgers University School of Health Professions. Upon successful completion of the degree requirements, the student will qualify for the examination given by the Board of Registry of the American Society for Clinical Pathology (ASCP) for the certification as a Clinical Laboratory Scientist (CLS-ASCP).

A clinical training program is required of students who wish to qualify for the examination given by the Board of Registry of the American Society for Clinical Pathology (ASCP) for the certification as a Clinical Laboratory Scientist (CLS-ASCP). Rutgers is approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) to administer this program. Students complete 6 semesters of pre-professional courses at FDU before applying to the 15-month, university-based Rutgers Medical Laboratory Science (MLS) Clinical Training Program. Tuition is paid directly to Rutgers during this phase of study. During the clinical training component of the degree program, students learn from experienced faculty and practicing professionals, and are exposed to a wide range of career opportunities at multiple hospitals. Rutgers Medical Laboratory Science Clinical Training Program info-sessions are offered periodically by Program Director Ruth Perez (ruth.perez@rutgers.edu). Both FDU and Rutgers will be listed on the graduate's diploma.

Admission Requirements

- Graduates from an accredited secondary school with a record indicating the potential to succeed in college will be considered for admission to the FDU BS in Clinical Laboratory Science.
- Completion of the following high school studies:
  - 4 units of English
  - 1 unit of Chemistry + Lab
  - 2 units of History
  - 1 unit of Biology + Lab
  - 2 units of college preparatory Mathematics

- At least 16 high school academic units
- Secondary school GPA of 2.7 or higher

Admission to Rutgers School of Health Professions

- Students will submit a separate application in the fall semester of their sophomore year (second semester of year 2 at FDU).
- Admission decisions to Rutgers are made in accordance with criteria, policies and procedures established by a joint committee and cannot be guaranteed by FDU.
- Students generally **need to demonstrate at least a 2.85 GPA** in major and prerequisite courses at FDU to be considered for admission to the Rutgers Clinical Laboratory Science program. All prerequisite courses must be completed with a grade of C or higher, and certain prerequisite courses must be completed with a grade of B minus or higher.
- Applications are generally reviewed as they are received after the application period opens (November). The first acceptance letters are usually released in mid-December, before the application period ends (February). Applicants are encouraged to apply when the application period opens due to the program's competitiveness. The clinical training program begins in May, approximately three months after the application period ends.
- Students who are not selected for a clinical training program may continue at FDU for a BS in Health Studies. Upon completion of the BS degree, students may again apply for the Rutgers Clinical Training Program to earn a certificate which will allow qualification for the ASCP examination.

Curriculum *(Updated for Fall 2024)*

A minimum of 139 credits is required for graduation from this FDU BS in Clinical Laboratory Science (University-Based Training Program) to become a Clinical/Medical Laboratory Scientist. After completion of 3 years of study at FDU (minimum 94 credits, of which 40 are GenEd and 54 are courses in the major), the program is completed in 15 months at Rutgers University School of Health Professions (additional 45 credits).

Accuplacer reading/writing scores and math assessment scores will determine which reading/writing and math courses first time, first year students will take. Those with reading/writing placement scores below the standards must complete courses in prerequisite skills (e.g., WRIT1000, WRIT1001, READ1000). Those with math placement scores below the standards must complete courses in prerequisite skills (e.g., MATH0298, MATH1100). These credits are applied toward free electives or are non-credit-bearing. **This requirement applies to all first time, first year students, even if they have been accepted into this program track.

General Education Requirements (40 credits)

- **Written & Oral Communication (9 credits)**
    - WRIT1002 Composition I: Rhetoric and Inquiry
    - WRIT1003 Composition II: Research and Argument
    - Oral Communication: Select from GenEd options

- **Information and Technological Literacy (3 credits)**
    - MEDT2217 Info Systems and Applications in Health Care

- **Ethical Reasoning (3 credits)**
    - MEDT1130 Bioethics

- **Global and Cultural Understanding (3 credits)**
    - UNIV2001 Cross-cultural Perspectives

- **Scientific and Quantitative Analysis (8 credits)**
    - BIOL2203/BIOL2223 Anatomy and Physiology I + Lab
    - MATH1107 Precalculus

- **Social and Behavioral Analysis (6 credits)**
    - Social Science: Select from GenEd options
    - Behavioral Science: Select from GenEd options

- **Inquiry in the Arts & Humanities (6 credits)**
  - Creative & Expressive Arts: Select from GenEd options
  - Humanities: Select from GenEd options

- **University Core (2 credits)**
  - [UNIV1001](#) Transitioning to University Life
  - [UNIV1002](#) Preparing for Professional Life

Major Requirements (54 credits)

- [BIOL1221](#)/[BIOL1222](#) Biological Diversity and Lab
- [BIOL1223](#) Biological Diversity Recitation
- [BIOL1233](#)/[BIOL1234](#) Molecules, Cells and Genes + Lab
- [BIOL1235](#) Molecules, Cells and Genes Recitation
- [BIOL3050](#)/[BIOL3051](#) or [BIOL4240](#)/[BIOL4241](#) Molecular Cell Biology + Lab
- [BIOL2204](#)/[BIOL2224](#) Anatomy and Physiology II + Lab
- [BIOL3009](#)/[BIOL3019](#) or [BIOL3225](#)/[BIOL3226](#) Microbiology and Lab
- [BIOL3100](#)/[BIOL3101](#) Genetics + Lab
- CALCULUS: Select either [MATH1201](#) Calculus I or [MATH1203](#) Calculus I
- [CHEM1201](#)/[CHEM1203](#) General Chemistry I + Lab
- [CHEM1211](#) General Chemistry Recitation
- [CHEM1202](#) /[CHEM1204](#) General Chemistry II and Lab
- [CHEM1212](#) General Chemistry II Recitation
- [CHEM2261](#)/[CHEM2263](#) Organic Chemistry I and Lab
- [CHEM2262](#)/[CHEM2264](#) Organic Chemistry II and Lab
- STATISTICS: Select either [MATH1133](#) Applied Statistics *OR* [PSYC2210](#) Psychological Statistics
- [BIOL5306](#) Immunology
- [CHEM3281](#)/[CHEM3389](#) Biochemistry +Lab

Clinical Training (4th Year) at Rutgers (45 credits)

- During the clinical training, students may be asked to report to a laboratory site five days a week.

Other Considerations

FDU offers two four-year degree programs geared to qualifying for and passing the examination by the Board of Registry of the American Society for Clinical Pathology (ASCP) for the certification as a Clinical Laboratory Scientist (CLS-ASCP). These are the Clinical Laboratory Sciences BS (this program) and the Medical Technology BS (see other FDU web page). The first three years of the Academic Program Plan for the two degrees are identical, and the courses can be taken at either NJ campus. The fourth year of the Clinical Laboratory Sciences BS is training at Rutgers University and its affiliates. The fourth year of the Medical Technology BS is a hospital-based internship at Valley Hospital (Bergen County), Hackensack Meridian Health Jersey Shore Medical Center (Neptune City), Monmouth Medical Center (Long Branch), or at another approved hospital system. Both the clinical training program at Rutgers University and the hospital-based internship provides appropriate preparation for the ASCP certification as a Clinical Laboratory Scientist. Both are competitive admissions programs.

Clinical Laboratory Sciences BS (University Training Program)– The clinical training program at Rutgers School of Health Professions offers a more structured educational experience. Students generally have the opportunity to rotate through different hospitals and experience a range of practice settings. This program can provide a more comprehensive understanding of laboratory medicine and prepare the student for a wider range of career opportunities.

Medical Technology BS (Hospital Internship Program) – A hospital-based internship offers hands-on experience in a clinical laboratory setting, allowing skills and knowledge to develop under the guidance of working professionals. Students have the opportunity to rotate through different departments within the laboratory, gaining exposure to a variety of laboratory techniques and instrumentation. This experience can be particularly valuable if a student is interested in pursuing a career in a specific area of laboratory medicine. The hospital-based experience, with rotations to multiple departments within the single hospital system, and with many opportunities for hospital personnel to engage the student as a prospective employee, often leads the student to employment in that hospital.

Geography may also play a role in your preference. Valley Hospital is in northern Bergen County. Rutgers School of Health Professions' main campus is at Rutgers-Newark. The Allied Health faculty and staff at FDU will have at least anecdotal and sometimes statistical guidance about each of these options.

Contact Information
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Communication BA

About our program

Today, communication plays an increasingly large part in personal and professional settings for us all. Here at FDU, we don't just use more forms of communication—we study the impact of the multifaceted communication landscape. Along the way, we build a theoretical and practical framework that can be adapted to any professional field. So, whether you wish to work in advertising, media, or become an academic, the BA in Communication will give you a solid foundation to build your professional goals on.

Program Learning Objectives

A Communication Studies undergraduate student will graduate with:

- The ability to write documents that present and evaluate information and opinion in a logical and analytic manner, incorporating research and documentation, and using style, grammar, mechanics, and format appropriate to an educated audience.
- The ability to prepare and deliver effective oral presentations, incorporating suitable research and using presentation software, in a style appropriate to a professional audience.
- The ability to understand and appreciate multiple cultures and global issues from historical, ethical and moral perspectives.
- Competency in informal (natural language) logic including the ability to analyze the logical structure of information, arguments, and opinions, and will be able to construct deductive and inductive arguments.

Professional Competencies

As a result of completing this major, you will gain a myriad of skills and competencies. Below is a short list of what you will hone in through your journey at FDU:

Procedural

- Gaining experience with multiple media platforms and media management systems
- Gaining knowledge about various kinds of communication and related theories

Communication

- Communicating visually, verbally, and in writing
- Understanding and responding appropriately within many contexts

Critical Thinking

- Gathering, evaluating, and employing large quantities of information form multiple sources
- Understanding and resolving problems and conflicts

Habits of Mind

- Intellectual flexibility and curiosity
- Active listening and dialoguing

Potential Career Paths

According to the U.S. Bureau of Labor Statistics, graduates with a BA in Communication gain employment in many exciting professions with more than average projected growth, including:

- Market analysts
- Marketing specialist
- Journalism/Mass Media professional
- Public Relations professional

Degree Plan

All students are required to complete the General Education Requirements (42 Credits) in fulfillment of their bachelor's degree requirements.

Major Requirements (36 credits)

Required Courses (18 credits)

- [COMM2204](#) Introduction to Human Communication
- [COMM2102](#) International Communication
- [COMM2861](#) Communicating Through Media
- [COMM3101](#) Research Methods
- [COMM4941](#) Senior Internship
- [COMM4007](#) Communication Theory

Communication Electives (18 credits)

Note: Three credits in Internship Experience may be used to fulfill a Major Elective Requirement.

Concentrations

Students have the OPTION of completing a concentration within the Communication major.

Advertising Concentration (18 Credits)

(Metropolitan Campus)

This concentration is for students interested in the dynamic field of advertising. Students will learn how to develop concepts for and create advertisements. They will also learn how to reach consumers through traditional and non-traditional media, including social networks, television, radio, and print. Potential positions include advertising agency account executives, creative directors, ad buyers, as well as communication specialists for a variety of organizations.

Required (3 Credits)

- [COMM2321](#) Advertising Principles

Take 15 credits from:

- [COMM3010](#) Advertising and Social Media
- [COMM3362](#) Advertising Campaigns
- [COMM3348](#) Broadcast Advertising
- [COMM3345](#) Advertising Copywriting and Layout
- [MKTG2120](#) Principles of Marketing
- [COMM2207](#) Digital Media Presentations
- [COMM2206](#) Managing Social Media Accounts
- [COMM3207](#) The Business of Influencers
- [COMM3444](#) (cross-listed with [MKTG4344](#)) Public Relations

Social Media Concentration (18 credits)

(Florham and Metropolitan Campuses)

The social media concentration is for students who are interested in exploring the impact of social media on our society as well as how social platforms are designed and how they can be utilized effectively. Students will explore how social networks' algorithms and community standards can be crafted to have a positive social impact. They will also learn how to use social networks to build relationships with audiences. The concentration will prepare students to work as social media managers on behalf of brands and organizations as well as for a variety of positions in tech companies.

Required

- [COMM2205](#) The Social Impact of Social Media

Select 15 Credits from:

- [COMM2004](#) Principles of PR
- [COMM2206](#) Managing Social Media Accounts
- [COMM2207](#) Digital Media Presentations
- [COMM3004](#) Communicating in Organizations
- [COMM3006](#) The Power of Storytelling
- [COMM3035](#) Public Relations Writing
- [COMM3051](#) Communication and Gender
- [COMM3204](#) Managing Social Media Crises
- [COMM3207](#) The Business of Influencers
- [COMM3208](#) The Ethics of Social Media

- [COMM4205](#) The Work from Home Revolution

Human Communication Concentration (18 credits)

(Florham Campus)

This concentration is for students who wish to gain a thorough understanding of human communication and the theories that describe and explain it. This concentration is recommended for students with an interest in all aspects of human interaction or for students considering an advanced course of study.

Required

- [COMM2006](#) Nonverbal Communication

Select 15 credits from:

- [COMM2002](#) Small Group Communication
- [COMM2003](#) Interpersonal Communication
- [COMM2205](#) The Social Impact of Social Media
- [COMM3004](#) Communicating in Organizations
- [COMM3006](#) The Power of Storytelling
- [COMM3014](#) Family Communication
- [COMM3005](#) Social Media and Communication
- [COMM3023](#) Film and Culture
- [COMM3051](#) Communication and Gender
- [COMM3208](#) The Ethics of Social Media
- [COMM3437](#) Talk at Work
- [COMM4205](#) The Work from Home Revolution

Multimedia Journalism Concentration (18 credits)

(Florham Campus)

This concentration is for students interested in pursuing a career in the ever-changing world of journalism. Although journalism still involves the basics of researching and gathering information, today's journalists have more tools at their disposal for delivering that information to the public: photography, blogs, podcasts, webcasts, and more. Potential positions include reporter, editor, newscaster, photojournalist, and more.

Required

- [COMM2011](#) Intro to Journalism

Select 15 credits from:

- [COMM2214](#) Intro to Broadcasting
- [COMM3012](#) News Writing and Editing
- [COMM2012](#) Intro to Television
- [COMM3004](#) Communicating in Organizations
- [COMM3013](#) Feature Writing
- [COMM3060](#) Television and Digital Journalism
- [COMM3204](#) Managing Socia Media Crises
- [COMM3207](#) The Business of Influencers
- [COMM3208](#) The Ethics of Social Media
- [COMM3248](#) Writing for Broadcast and Podcast
- [COMM3341](#) Radio Management
- [COMM3432](#) Sports Journalism
- [COMM3838](#) Media Ethics
- [COMM4444](#) Multimedia Journalism

Public Relations Concentration (18 credits)

(Florham Campus)

This concentration is for students interested in pursuing a career in the public relations field. The field of public relations has continued to grow and change over the last 10 years and now, more than ever, students need to enhance their knowledge and be well versed in the role that issues of globalization, ethics and responsibility now play in the field. Potential positions include publicity manager, events planner, press agent, lobbyist, strategic communication manager, and more.

Required

- [COMM2004](#) Principles of Public Relations

Select 15 Credits from:

- [COMM2002](#) Small Group Communication

- [COMM2206](#) Managing Social Media Accounts
- [COMM3004](#) Communicating in Organizations
- [COMM3005](#) Social Media and Communication
- [COMM3006](#) The Power of Storytelling
- [COMM3030](#) Event Planning
- [COMM3035](#) Public Relations Writing
- [COMM3204](#) Managing Social Media Crises
- [COMM3207](#) The Business of Influencers
- [COMM3244](#) Public Relations Campaigns
- [COMM3248](#) Writing for Broadcast and Podcast
- [COMM4480](#) Crisis Communication

Academic Advisors

Savage,Lauren

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- T-RH2-02

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- T-RH2-02

Fall and Spring Course Offerings

Offered every Fall and Spring Semester:

- COMM1001 Communication in Everyday Life (Gen Ed)
- COMM2204 Introduction to Human Communication (Gen Ed)
- COMM2099 Professional Communication (Gen Ed)
- COMM2102 International Communication (Gen Ed)
- COMM2861 Mass Communication (Gen Ed)
- COMM3101 Research Methods
- COMM4941 Senior Internship
- COMM4007 Communication Theory

Offered only in the Fall Semester

- Human Communication Concentration
  - COMM2003 Interpersonal Communication
  - COMM2221 Popular Culture and the Media
  - COMM3004 Communicating in Organizations

- Public Relations Concentration
  - COMM2003 Interpersonal Communication (Gen Ed)
  - COMM2004 Principles of Public Relations (Gen Ed)
  - COMM3030 Event Planning
  - COMM3004 Communicating in Organizations
  - COMM4480 Crisis Communication

- Multimedia Journalism Concentration
  - COMM2011 Intro to Journalism (Gen Ed)
  - COMM2866 Women and Minorities in the Media (Gen Ed)
  - COMM3060 Television News
  - COMM3838 Media Ethics

Offered only in the Spring Semester

- Human Communication Concentration
  - COMM2002 Small Group Communication (Gen Ed)
  - COMM2006 Nonverbal Communication OR COMM3051 Gender and Communication (Gen Ed)
  - COMM3005 Social Media, Communication, and Community
  - COMM3014 Family Communication (Gen Ed)
  - COMM3023 Film and Culture

- o Public Relations Concentration
  - COMM2002 Small Group Communication (Gen Ed)
  - COMM3006 The Power Of Storytelling
  - COMM2006 Nonverbal Communication OR COMM3051 Gender and Communication (Gen Ed)
  - COMM3005 Social Media, Communication, and Community
  - COMM3035 Public Relations Writing
  - COMM3244 Public Relations Campaigns
  - COMM3248 Writing for Broadcast

- o Multimedia Journalism Concentration
  - COMM3012 News Writing and Editing
  - COMM3248 Writing for Broadcast
  - COMM3341 Radio Management
  - COMM3349 Introduction to Television
  - COMM3432 Sports Journalism
  - COMM4444 Multimedia Journalism

Contact Information

Florham Campus: Dr. Gary P. Radford
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Back to Top

Communication BA, Communication MA: combined degree

The five-year BA-MA accelerated program combines the Bachelor of Arts in Communication with a Master of Arts in Communication. Students can earn an MA by taking 30 credits of graduate-level coursework, nine of which are taken during the undergraduate senior year.

MA coursework typically takes one extra school year, including one summer or winter session course.

Program Learning Objectives

A Communication Studies graduate student will graduate with:

- The ability to write documents that present and evaluate information and opinion in a logical and analytic manner, incorporating research and documentation, and using style, grammar, mechanics, and format appropriate to an educated audience.
- The ability to prepare and deliver effective oral presentations, incorporating suitable research and using presentation software, in a style appropriate to a professional audience.
- The ability to understand and appreciate multiple cultures and global issues from historical, ethical and moral perspectives.
- Competency in informal (natural language) logic including the ability to analyze the logical structure of information, arguments, and opinions, and will be able to construct deductive and inductive arguments.

Potential Career Paths

Graduates of this program can enter many professions at a more advanced level. Most of the positions below are expected to experience above-average growth, according to the U.S. Bureau of Labor Statistics:

- Public Relations Manager
- Marketing Consultant
- Political Campaign Manager

- Technical Communication Manager
- Web/Media Contnet Producer

Admission into the 5-year BA-MA program

Students apply for the BA-MA program in their junior year (once they have earned 60-80 credits). Candidates for the five-year BA-MA program will have a strong academic record including:

Completion of at least two of the following:

- [COMM2204](#) Introduction to Human Communication
- [COMM2102](#) International Communication
- [COMM2861](#) Communicating Through Media
- [COMM3101](#) Research Methods
- [COMM4941](#) Senior Internship
- [COMM4007](#) Communication Theory

Completion of at least two other COMM courses at the 3000 level.

Maintaining a cumulative grade point average of 3.00 or higher.

Application process

The application process begins with a meeting with Dr. Christopher Caldiero, Director of the MA program, to learn about the program and how it could fit with their goals. This meeting will include an initial review of their academic record.

Students interested in the five-year BA-MA complete an application form which includes listing two references and providing a personal statement about their motivation in pursuing the degree. To get the application form, email Dr. Caldiero.

Degree plan

Undergraduate

Senior year undergraduate (9 graduate credits)

The senior undergraduate year of all BA MA students is a qualifying year. The three listed graduate courses count towards the completion of the BA degree. Students must earn a B grade or better in each of the three required classes in order to qualify for the graduate year. Failure to earn B grades or better in each required class means that the student will graduate at the end of the senior year with a BA in Communication Studies, but will not be allowed to continue into the graduate year.

Fall of undergraduate senior year

- [MCOM6001](#) Principles and Practices of Communication

Spring of undergraduate senior year

- [MCOM6005](#) Group Communication and Leadership
- [MCOM6006](#) Research Methods

Graduate year (21 credits)

Summer (3 credits)

- [MCOM7002](#) International Communication and Culture, a cultural context course offered at FDU's Wroxton, UK campus. Students typically take the summer course following the completion of their senior undergrad year. Students may also complete 3 credits with a Winter Session course.

OR

- MCOM context course

Fall (9 credits)

- [MCOM6002](#) Professional Writing and Editing
- [MCOM6003](#) Presentation Methods
- MCOM context course

Spring (9 credits)

- [MCOM6004](#) Executive Lectures
- [MCOM6099](#) The Capstone Experience
- MCOM context course

Students walk in commencement exercises at the end of the spring semester.

Contact Information

Dr. Christopher Caldiero

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[Back to Top](#)

Computer Science BS (Florham)

The Bachelor of Science in Computer Science program is designed to give students broad knowledge in the theoretical as well as practical aspects of computer science. The program provides graduates with a solid foundation in the fundamentals of Computer Science, preparing them for a professional career in the field as well as graduate studies. The skills and knowledge that students acquire will provide them with the ability to adapt and grow in the workplace which is continually changing with advances in technology and globalization.

Students can choose from three different concentrations as part of their major: Cybersecurity, Game Development, and Data Science.

Program Learning Outcomes

Learning outcomes for Computer Science majors:

- **Problem Solving** – Identify problems and formulate solutions. Apply problem-solving skills, algorithmic thinking, and knowledge of computer science.
- **Mathematical & Algorithmic Modeling –** Apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and

design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

- **Software Development & Design** – Analyze, specify, plan, design, implement, test, and evaluate computing-based solutions. Document work at all stages of software development in a variety of professional contexts.
- **Systems Design** – Identify and analyze structures and mechanisms of a computer system including security issues and adapt to different computing and programming environments.
- **Teamwork and Collaboration** – Function effectively in a team for group projects.
- **Effective Communications** – Present ideas and communicate information clearly and logically.
- **Legal and Ethical Responsibilities –** Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles. Understand social issues and responsibilities.
- **Professional Development –** Identify the skills necessary to become a lifelong learner in the rapidly evolving field of computer science, prepare for career and/or graduate school

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor's degree requirements.

Required courses

- [CSCI1205](#) Introduction to Computer Programming
- [CSCI2215](#) Introduction to Computer Science I
- [CSCI2216](#) Introduction to Computer Science II
- [CSCI2255](#) Discrete Structures
- [CSCI2233](#) Data Structures and Algorithms
- [CSCI3268](#) Database Systems *(excluding cybersecurity concentration)*
- [CSCI3371](#) Modeling and Simulation or [MATH3300](#) Statistics I
- [CSCI3304](#) Computer Organization
- [CSCI3278](#) Operating Systems
- [CSCI3315](#) Software Design

- [CSCI4391](#) Senior Project I/[CSCI4392](#) Senior Project II or [CSCI4498](#) Computer Science Internship

Computer Science electives

Five additional courses to be selected from the 3000 or higher-level offerings in computer science (CSCI designation).

Mathematics required courses

- [MATH1107](#) Precalculus
- [MATH1203](#) Calculus I
- [MATH2202](#) Calculus II
- [MATH3220](#) Linear Algebra *(or)*
- [MATH3318](#) Differential Equations
- Mathematics Elective (3 credits)

One additional course to be selected from the mathematics offerings (MATH designation) above 2000.

Physics required courses

- 8 credits of cognate Physics courses

Concentrations

Students can choose to pursue one of three concentrations, Data Science, Game Development, or Cybersecurity.

Cybersecurity

The demand for cybersecurity professionals is high and is expected to grow even more in the coming years in both the public and private sectors. Cybersecurity professionals are needed to protect computer networks and systems in the financial, communication, energy and transportation industries as well as in the government, against cyber-attacks.

The National Security Agency (NSA) and the Department of Homeland Security (DHS) have designated Fairleigh Dickinson University as a National Center of Academic

Excellence in Information Assurance Education (CAE/CDE) for the academic years 2012 through 2015, which was recently renewed for the period 2015 through 2020.

The information assurance (IA) academic program described on this web page helps impart the skills and training needed to defend America's cyberspace.

Our CyberSecurity curriculum has been designed to lay a solid foundation in computer science and mathematics. This concentration for the computer science major has been based on carefully chosen courses in the Computer Science, Mathematics and Physics department and is further strengthened by requiring courses in network and data security. There is a provision for internships that will provide practical experience in the field. The Florham Campus enjoys the proximity of several computer science and information technology companies in the area and a number of CS and Mathematics students have had internship positions with these organizations. The department will continue to build and strengthen ties with these organizations with a view to expanding experiential learning opportunities for the students in the field of cybersecurity.

Courses in this concentration will cover a range of topics from an overview of Computer Security, Foundations – Access Control Matrix, Policy – Security Policies, Confidentiality Policies, Integrity Policies, Hybrid Policies, to Implementation – Information Hiding Techniques – Steganography, Digital Watermarking, Cryptography, Fingerprinting, Key Management, Cipher Techniques, Authentication, Access Control Mechanisms, Confinement Problem, User and System Security, Data Security, Copyright, Digital Certificates, Digital Rights Management.

A Certificate of Completion of a NSA and DHS designated CAE/CDE program of study is awarded to eligible students who complete the BS degree in Computer Science with a Concentration in Cyber Security.

In addition to the required Computer Science courses, students in the concentration take the following Computer Science courses (* CSCI3158 & CSCI3870 are two newly introduced cybersecurity courses and are required in the concentration effective Fall 2020):

- CSCI3157 Cyber Security
- CSCI3666 Data Communication and Computer Networks
- CSCI3355 Intro to Cryptography
- CSCI3869 Network Security
- CSCI3158 Information Security Design and Management
- CSCI3870 Security Regulations, Detection and Forensics

"The National Security Agency (NSA) and the Department of Homeland Security (DHS) have designated Fairleigh Dickinson University as a National Center of Academic Excellence in Information Assurance Education (CAE/CDE)"

https://www.dhs.gov/	https://www.nsa.gov/

A Certificate of Completion of a NSA and DHS designated CAE/CDE program of study is awarded to eligible students who complete the BS degree in Computer Science with a Concentration in Cyber Security.

| Center for Cybersecurity and Information Assurance | Homeland Security News Wire |

Data Science

We are now witnessing a new era in modern information technology, namely, the era of **Big Data.** Huge amounts of data are continuously generated every minute. Data sources range from social networking sites, stock trading sites, news agencies, insurance companies, and search engines, to sensors in meteorological and climate systems, patient monitoring systems, and acquisition and control systems that can be found in cell towers, cars, airplanes, and power plants. With these enormous amounts of data, systems and techniques are needed to extract knowledge, information, and patterns for prediction, forecasting and decision-making purposes.

As an example of the amounts of data that is being generated, a recent study estimates that **Google** receives over "2 trillion searches per year which amounts to 3.8 million searches per minute, 228 million searches per hour, and 5.6 billion searches per day."

In addition to the required Computer Science courses listed above, students in the concentration take the following Computer Science courses:

- CSCI3269 Introduction to Data Mining
- CSCI3270 Introduction to Machine Learning
- CSCI3998 Artificial Intelligence

Game Development

The gaming industry is doing remarkably well. According to Game Developer Research, there are about 45,000 employees in the field earning an average salary of $93,000.

The Bureau of Labor Statistics predicts that the growth of employment in software engineering, of which game development is a part, will be about a third in the next decade.

The demand for game developers comes from a variety of industries including **entertainment**, **education**, **government**, **military,** and **consumer products**.

The game development concentration at Fairleigh Dickinson University provides students with the technical skills that are needed in the gaming industry.

The game development curriculum has been designed to lay a solid foundation in computer science and mathematics with carefully chosen courses in the computer science, mathematics, and physics departments as well as the department of visual and performing arts. The concentration is designed based on guidelines provided by **IGDA**, The International Game Developers Association.

Students planning to major in computer science with a concentration in game development will take courses in computer science, mathematics and animation. The concentration prepares students for a career in gaming as well as a career in computer science. Students will take special courses that have been designed for this concentration as well as courses in animation and game design.

In addition to required Computer Science courses, students in the concentration take the following:

- CSCI3389 Human Computer Interaction
- CSCI3998 Artificial Intelligence
- CSCI3388 Introduction to Game Development
- CSCI4488 Advanced Game Development

Two cognate electives to be selected from the following animation courses:

- ANIM1650, ANIM2270, ANIM2285, ANIM2500,
- ANIM3330, ANIM3350, ANIM3450

Back to Top

Computer Science BS (Metro)

Computer software applications are ubiquitous, benefiting people's daily lives — from home to school to workplace. The Bachelor of Science (BS) in computer science program prepares graduates for entrance into the high-demand profession of computer science or graduate study. The program graduates work in industry as computer professionals, holding various titles, including computer or data scientist, software developer, apps or web developer, systems or information security analyst, network architect, and system or database administrator.

The program is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) at the Metropolitan Campus, Teaneck, New Jersey. The BS in computer science program is accredited by the Computing Accreditation Commission of ABET. This accreditation applies only to the BS in computer science program offered by the GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

The computer science discipline focuses on the analysis and development of software systems, and computer science students are trained to program, develop software and solve problems logically, optimally and creatively. These skills are invaluable to any employer and in any field. Since all industries use software, they employ computer science graduates in various capacities and roles. Common job titles include computer, data or research and development scientist; software developer or engineer; apps or web developer; systems or information security analyst; network architect; system or database administrator; and chief information security officer.

The demand for computer professionals far exceeds supply. As such, computer professionals account for many high-paying jobs. The computer science profession is consistently ranked among the very top earners. It has ample and diverse career opportunities, excellent average starting salary, outstanding median long-term salary, robust job growth and great career fulfillment. The demand for computer professionals will further increase as the $1-trillion Infrastructure Investment and Jobs Act, which includes funds for expanding the nation's broadband networks, is implemented over the next eight years.

The BS in computer science curriculum provides students a varied and balanced educational experience through an appropriate combination of theoretical concepts and practical applications. Students are exposed to a broad range of fundamental concepts in such areas as software engineering, computer organization, database systems, management information systems and operating systems, as well as to a wide variety of computer applications. The core curriculum of required courses are supplemented by contemporary courses in three in-demand fields through three concentrations:

- Big Data Analytics,
- Cybersecurity and Information Assurance
- Game and Mobile Application Development

Students select one of the three concentrations for specialization based on their interests and goals. The computer laboratory experience is fully integrated with coursework. Students work in many state-of-the-art laboratories, including the computer networking lab, the cyber defense lab, the apps development lab and the robotics lab. GHSCSE is a member of the Cisco Networking Academy.

Students completing the BS in computer science program with a concentration in cybersecurity and information assurance are eligible to receive a Certificate of Completion of a National Security Agency (NSA) and Department of Homeland Security (DHS)-designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA). CAE-CDE denotes the Center for Academic Excellence for Cyber Defense Education.

The program requires the successful completion of at least 120 credits of coursework. Graduates of the program are prepared to work well in virtually all computing environments in various industries. They are familiar with a spectrum of fundamental principles and proficient in the use of modern tools and technology, and they have been trained to approach problems with creativity.

Students in the BS in computer science program can also pursue one of the three accelerated combined five-year BS and master of science (MS) degree programs, thereby saving time and money and expanding their career opportunities. The three accelerated programs are as follows:

- BS in computer science/ MS in computer science combined degree program
- BS in computer science/MS in cybersecurity and information assurance combined degree program

- BS in computer science/MS in management information system combined degree program

Professional Accreditation

The BS in Computer Science program is accredited by the Computing Accreditation Commission of ABET, https://www.abet.org.

Educational Objectives

The program will produce graduates who:

- Utilize a varied and balanced educational experience with an appropriate combination of theoretical knowledge and practical skills that enable entrance into and advancement in the profession of computer science.
- Build on educational knowledge and experience to continue formal education and obtain advanced degrees in the fields of computer science, management information systems, business administration, or computer engineering.
- Continue to develop as responsible professionals and global citizens who are mindful of ethical issues, societal needs, and problems inherent in the computing field.

Student Outcomes

The BS in Computer Science program has adopted the Student Outcomes of the Computing Accreditation Commission (CAC) of ABET as its own learning outcomes, which define the attributes, skills, and knowledge that graduates are expected to possess upon or before graduation. Each computer science graduate will have the ability to:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.

- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- Apply computer science theory and software development fundamentals to produce computing-based solutions. [CS]

Degree Plan

Computer Science Requirements, 42 credits

- CSCI1201 Computer Programming I
- CSCI1202 Computer Programming II
- CSCI2215 Introduction to Computer Science
- CSCI2234 Data Structures and Algorithms
- CSCI2235 Survey of Computing Security
- CSCI2247 Assembly Language Programming
- CSCI3249 Computer Organization
- CSCI3251 Design of Software Systems
- CSCI3260 Mathematical Foundations of Computer Science
- CSCI3268 Database Systems
- CSCI3278 Operating Systems
- CSCI3240 Computer Networks
- CSCI4384 Prep for Comp Sci Senior Project
- CSCI4386 Computer Science Senior Project
- ENGR2286 Digital System Design

Mathematics Requirements, 17 credits

- MATH1201 Calculus I
- MATH2202 Calculus II
- MATH2255 Discrete Structures
- MATH3220 Linear Algebra
- MATH3237 Probability and Statistics I

Science Requirements, 8 credits

- PHYS2201 Physics Laboratory I

- [PHYS2203](#) University Physics I
- [PHYS2202](#) Physics Laboratory II
- [PHYS2204](#) University Physics II

Liberal Arts/Humanities/Social Science Requirements, 26 credits

- [WRIT1002](#)　Composition I:　Rhetoric & Inquiry
- [WRIT1003](#)　Composition II:　Research & Argument
- [ENGR2210](#) Technical Communications
- [ENGR4210](#) Managerial & Eng'g Economic Analysis
- [ENGR3000](#) Modern Technologies: Principles, Applications, and Impacts
- [UNIV1001](#) Transitioning to University Life, 1 credit
- [UNIV1002](#) Preparing for Professional Life, 1 credit
- [UNIV2001](#) Cross-cultural Perspectives
- [UNIV2002](#) Global Issues
- Humanities Elective: Three credits of any course that has the prefix ENGL (except developmental ENGL), HIST, HUMN, LANG, PHIL, or RELI, or the following ART courses: [ART1103](#), [ART1107](#), [ART1108](#), [ART1120](#), [ART1131](#), [ART1133](#), [ART1135](#), [ART1136](#), [ART1137](#), [ART2137](#), and [ART2238](#).

Electives, 12 credits

- Free Elective (3 credits)
- Technical Elective (9 credits)

Concentration Requirements, 15 credits

Students must complete any one of three concentration areas: **Cybersecurity and Information Assurance, Big Data Analytics, and Game and Mobile Application Development**. Each concentration requires the successful completion of five courses (15 credits). Students completing the BS in Computer Science with a concentration in the Cybersecurity and Information Assurance concentration are eligible to receive a Certificate of Completion of an NSA & DHS designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA). Students pursuing a concentration in Game and Mobile Application Development are recommended to take *two* computer animation courses from the School of Art and

Media Studies as a Free Elective and a Technical Elective in the BS Computer Science curriculum.

Cybersecurity and Information Assurance

- [CSCI3274](#) Linux System Administration (3 credits)
- [CSCI3345](#) Firewalls and Intrusion Detection Systems (3 credits)
- [CSCI3410](#) Foundations of Cybersecurity (3 credits)
- [CSCI3420](#) Cryptography (3 credits)
- [CSCI3783](#) Information Security (3 credits

Cybersecurity and Information Assurance Student Outcomes

The BS Computer Science graduates with a concentration in cybersecurity and information assurance will additionally have the ability to:

- Apply security principles and practices to maintain operations in the presence of risks and threats. [CY]
- Assess vulnerabilities of components, connections, and systems for data protection, privacy, and threat mitigation.

Big Data Analytics

- [CSCI3331](#) Advanced Database
- [CSCI3318](#) Cloud Computing
- [CSCI3387](#) Machine Learning
- [CSCI3461](#) Data Mining and Applications
- [CSCI3485](#) Big Data Analytics

Big Data Analytics Student Outcomes

The BS Computer Science graduates with a concentration in big data analytics will additionally have the ability to:

- Analyze data analytics algorithms and Big Data analytics frameworks.
- Apply data and Big Data analytics methods to projects and products.

Game and Mobile Application Development

- [CSCI3314](#) Mobile Application Development (3 credits)

- [CSCI3317](#) Computer Game Programming (3 credits)
- [CSCI3444](#) Programming for the Internet (3 credits)
- [CSCI3385](#) Artificial Intelligence (3 credits)
- [CSCI3387](#) Machine Learning (3 credits)

Game and Mobile Application Development Student Outcomes

The BS Computer Science graduates with a concentration in game & mobile application development will additionally have the ability to:

- Apply multimedia data processing algorithms
- Develop applications on different platforms

Accreditation

[Back to Top](#)

Computer Science BS Management Information Systems MS 4+1 Program

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program that allows qualified students to obtain a Bachelor of Science (BS) in computer science degree and a Master of Science (MS) in management information systems degree with a combined course load that is 9 credits less. In particular, three graduate courses: [CSCI6603](#) Computer Architecture (3 credits), [CSCI6623](#) Database Systems (3 credits) and [CSCI6638](#) Operating Systems (3 credits), when successfully completed under the 4 Plus 1 program, can be credited toward both the BS and the MS degrees.

This combined degree program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey. The BS in computer science program is accredited by the

Engineering Accreditation Commission of ABET. This accreditation applies only to the BS in computer science program offered by the GHSCSE at the Metropolitan Campus.

Students in the BS in computer science program must take one of the three concentrations: big data analytics, cybersecurity and information assurance or mobile and game app development. Students completing the BS in computer science program with a concentration in cybersecurity and information assurance are eligible to receive a Certificate of Completion of a National Security Agency (NSA) and Department of Homeland Security (DHS)-designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA).

Students must have achieved a cumulative grade point ratio (CGPR) of at least 2.75. A minimum of 120 credits is required for the BS in computer science degree.

Degree Plan

1st Semester (14 credits)

- CSCI1201 Computer Programming I
- ENGR2286 Digital System Design
- WRIT1002 Composition I: Rhetoric & Inquiry
- MATH1201 Calculus I
- UNIV1001 Transitioning to University Life

2nd Semester (14 credits)

- CSCI1202 Computer Programming II
- CSCI2215 Introduction to Computer Science
- WRIT1003 Composition II: Research & Argument
- MATH2202 Calculus II
- UNIV1002 Preparing for Professional Life

3rd Semester (16 credits)

- CSCI2234 Data Structures and Algorithms
- CSCI2247 Assembly Language Programming
- ACCT2021 Intro to Financial Accounting
- PHYS2201 University Physics I Lecture

- PHYS2203 University Physics I Lab
- UNIV2001 Cross-cultural Perspectives

4th Semester (16 credits)

- CSCI3251 Design of Software Systems
- CSCI6623 Database Systems
- MATH3237 Probability and Statistics I
- PHYS2204 University Physics II Lab
- PHYS2202 University Physics II Lecture
- CSCI2235 Survey of Computing Security

5th Semester (15 credits)

- Concentration (3 credits): Students must complete any one of three concentration areas: Cybersecurity and Information Assurance, Game and Mobile Application Development, Big Data Analytics.
- CSCI3240 Computer Networks
- MKTG2120 Principles of Marketing
- MATH2255 Discrete Structures
- Technical Elective (3 credits)

6th Semester (15 credits)

- Concentration: (3 credits)
- CSCI3260 Mathematical Foundations of Computer Science
- CSCI6638 Operating Systems
- ENGR3000 Modern Technologies
- Humanities/Soc Sci Elective: Take three credits of coursework in HIST, HUMN, LANG, PHIL, POLS, PSYC, RELI, or SOCI. ANIMH ARTH CGDH DANH, MUSICH, THEATH, AFAM, ENGL, HIST, LITS, PHIL, RELI
  - ENGR4210 Managerial Eng. Economics

7th Semester (16 credits)

- Concentration: (3 credits)
- CSCI6603 Computer Organization

- [ENGR2210](#) Technical Communications
- [MATH3220](#) Linear Algebra
- [CSCI4384](#) Prep for Computer Science Project
- Technical Elective (3 credits)

8th Semester (14 credits)

- Concentration (3 credits)
- [CSCI4386](#) Computer Science Senior Project
- [UNIV2002](#) Global Issues
- [ENGR4210](#) Managerial & Econ Analysis
- Concentration (3 credits

Concentration Requirements, 15 credits

Students must complete any one of three concentration areas: **Cybersecurity and Information Assurance**, **Big Data Analytics**, and **Game and Mobile Application Development**. Each concentration requires the successful completion of five courses (15 credits). Students completing the BS in Computer Science with a concentration in the Cybersecurity and Information Assurance concentration are eligible to receive a Certificate of Completion of an NSA & DHS designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA). Students pursuing a concentration in Game and Mobile Application Development are recommended to take **two** computer animation courses from the School of Art and Media Studies as a Free Elective and a Technical Elective in the BS Computer Science curriculum.

Cybersecurity and Information Assurance

- [CSCI3274](#) Linux System Administration (3 credits)
- [CSCI3345](#) Firewalls and Intrusion Detection Systems (3 credits)
- [CSCI3410](#) Foundations of Cybersecurity (3 credits)
- [CSCI3420](#) Cryptography (3 credits)
- [CSCI3783](#) Information Security (3 credits

Cybersecurity and Information Assurance Student Outcomes

The BS Computer Science graduates with a concentration in cybersecurity and information assurance will additionally have the ability to:

- Apply security principles and practices to maintain operations in the presence of risks and threats.
- Assess vulnerabilities of components, connections, and systems for data protection, privacy, and threat mitigation.

Big Data Analytics

- [CSCI3331](#) Advanced Database
- [CSCI3318](#) Cloud Computing
- [CSCI3387](#) Machine Learning
- [CSCI3461](#) Data Mining and Applications
- [CSCI3485](#) Big Data Analytics

Big Data Analytics Student Outcomes

The BS Computer Science graduates with a concentration in big data analytics will additionally have the ability to:

- Analyze data analytics algorithms and Big Data analytics frameworks.
- Apply data and Big Data analytics methods to projects and products.

Game and Mobile Application Development

- [CSCI3314](#) Mobile Application Development (3 credits)
- [CSCI3317](#) Computer Game Programming (3 credits)
- [CSCI3444](#) Programming for the Internet
- [CSCI3385](#) Artificial Intelligence
- [CSCI3387](#) Machine Learning

Game and Mobile Application Development Student Outcomes

The BS Computer Science graduates with a concentration in game & mobile application development will additionally have the ability to:

- Apply multimedia data processing algorithms
- Develop applications on different platforms

Contact Information

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Computer Science BS, Computer Science MS 4+1 Program (Metro)

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program that allows qualified students to obtain a Bachelor of Science (BS) in computer science degree. In particular, three graduate courses: [CSCI6603](#) Computer Architecture (3 credits), [CSCI6623](#) Database Systems (3 credits) and [CSCI6638](#) Operating Systems (3 credits), when successfully completed under the 4 Plus 1 program, can be credited toward both the BS and the MS degrees. This program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey. The BS in computer science program is accredited by the Computing Accreditation Commission of ABET. This accreditation applies only to the BS in computer science program offered by the GHSCSE at the Metropolitan Campus.

Students in the BS in computer science program must take one of the three concentrations:

- Big Data Analytics
- Cybersecurity and Information Assurance
- Game and Mobile Application Development.

Students completing the BS in computer science program with a concentration in cybersecurity and information assurance are eligible to receive a Certificate of

Completion of a National Security Agency (NSA) and Department of Homeland Security (DHS)-designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA). CAE-CDE denotes the Center for Academic Excellence for Cyber Defense Education.

Professional Accreditation

The BS in Computer Science program is accredited by the CAC of ABET, https://www.abet.org.

Degree Plan

1st Semester (14 credits)

- CSCI1201 Computer Programming I
- WRIT1002 Composition I: Rhetoric & Inquiry
- MATH1201 Calculus I
- UNIV1001 Transitioning to University Life
- ENGR2286 Digital System Design

2nd Semester (14 credits)

- CSCI1202 Computer Programming II
- CSCI2215 Introduction to Computer Science
- WRIT1003 Composition II: Research & Argument
- MATH2202 Calculus II
- UNIV1002 Preparing for Professional Life

3rd Semester (16 credits)

- CSCI2234 Data Structures and Algorithms
- CSCI2247 Assembly Language Programming
- PHYS2201 University Physics 1 Lab
- PHYS2203 University Physics 1 Lecture
- UNIV2001 Cross-cultural Perspectives
- ENGR2210 Technical Communication

4th Semester (16 credits)

- CSCI6623 Database Systems
- MATH3237 Probability and Statistics I
- PHYS2204 University Physics II Lecture
- PHYS2202 University Physics II Lab
- UNIV2002 Global Issues
- CSCI2235 Survey of Computing Security

5th Semester (15 credits)

- CSCI3240 Computer Networks
- MATH2255 Discrete Structures
- CSCI6638 Operating Systems
- ENGR3000 Modern Tech: Principles, App, and Impacts
- Humanities elective

6th Semester (15 credits)

- Concentration (6 credits)
- Free elective
- MATH3220 Linear Algebra
- CSCI3251 Design of Software Systems

7th Semester (16 credits)

- Concentration: (Same as in semester 5)
- Technical electives (6 credits)
- CSCI4384 Prep for senior project
- ENGR4210 Managerial and Economic Analysis
- CSCI6603 Computer Organization (These courses can be applied to the MS degree provided that the student earns a grade of B or better)

8th Semester (14 credits)

- Concentration (6 credits): (Same as in semester 5)

- Technical elective
- [CSCI3260](#) Mathematical Foundations of Computer Science
- [CSCI4386](#) CS Senior Project

Concentrations

Students must complete any one of three concentration areas: **Cybersecurity and Information Assurance, Big Data and Analytics, Mobile and Game App Development**. Each concentration requires the successful completion of six courses (15 credits).

Cybersecurity and Information Assurance

Required Courses (15 credits)

- [CSCI3274](#) Linux System Administration (3 credits)
- [CSCI3345](#) Firewalls and Intrusion Detection Systems (3 credits)
- [CSCI3410](#) Foundations of Cybersecurity (3 credits)
- [CSCI3420](#) Cryptography (3 credits)
- [CSCI3783](#) Information Security (3 credits

Students completing the BS in Computer Science with this concentration are eligible to receive a Certificate of Completion of a NSA & DHS designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA).

Game and Mobile App Development

- [CSCI3314](#) Mobile Application Development (3 credits)
- [CSCI3317](#) Computer Game Programming (3 credits)
- [CSCI3444](#) Programming for the Internet
- [CSCI3385](#) Artificial Intelligence
- [CSCI3387](#) Machine Learning

Big Data and Analytics

- [CSCI3331](#) Advanced Database
- [CSCI3318](#) Cloud Computing
- [CSCI3387](#) Machine Learning

- [CSCI3461](#) Data Mining and Applications
- [CSCI3485](#) Big Data Analytics

Accreditation

Computer Science BS, Computer Science MS: combined degree (Florham)

The University offers a five-year program that allows qualified students to attain a Bachelor of Science degree in computer science and a Master of Science degree in computer science with a combined course load of 141 credits.

Students who have completed the first 15 credits of the computer science program with a grade point average (GPR) of 3.00 or better (in computer science courses) are eligible to apply to the combined BS-MS five-year program.

Applications should be submitted before the student has completed 27 credits of computer science courses. Upon completion of their undergraduate degree, students who have maintained a 3.00 GPA in their computer science courses will be admitted to the graduate computer science program.

Program Learning Objectives

At the completion of the MS program, students will:

- Have the ability to design, implement, test, and debug programs.
- Have the ability to use different programing paradigms such as object oriented programming and procedural programming.

- Have the ability to design, implement, and analyze algorithms for solving problems.
- Have the ability to build large software systems.
- Have the ability to understand and analyze the structures and mechanisms of a computer system.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Required courses

- CSCI1205 Introduction to Computer Programming
- CSCI2215 Introduction to Computer Science I
- CSCI2216 Introduction to Computer Science II
- CSCI2255 Discrete Structures
- CSCI2232 Data Structures and Algorithms
- CSCI6623 Database Systems
- CSCI3371 Modeling and Simulation or MATH3300 Probability and Statistics
- CSCI6603 Computer Architecture
- CSCI6638 Operating Systems
- CSCI3315 Software Design
- CSCI4391 Senior Project I or CSCI4498 Computer Science Internship
- CSCI4999 Computer Science Assessment
- CSCI4392 Senior Project II *[if CSCI4498 not chosen]*

CSCI6623, CSCI6603, CSCI6638 [These courses can be applied towards the MS degree provided that student earns a grade of B or better.]

Computer Science electives

CSCI3000 level or higher.

Mathematics required courses

- MATH1107 Precalculus
- MATH1203 Calculus I

- [MATH2202](#) Calculus II
- [MATH3220](#) Linear Algebra *(or)*
- [MATH3318](#) Differential Equations
- Mathematics Elective (3 credits)

One additional course to be selected from the mathematics offerings (MATH designation) above 2000.

Physics required courses

- [PHYS2003](#)/[PHYS2023](#) General Physics I with Calculus
- [PHYS2013](#) General Physics I Lab with Calculus
- [PHYS2004](#)/[PHYS2024](#) General Physics II with Calculus
- [PHYS2014](#) General Physics II Lab with Calculus

Required dual courses applied towards undergraduate degree

- [CSCI6603](#) Computer Architecture; [CSCI6623](#) Database Systems; [CSCI6638](#) Operating Systems

These courses can be applied towards the MS degree provided that the student earns a grade of B or better. Upon completion of the undergraduate degree, students who earned a 3.0 major GPA in Computer Science courses will be admitted into the graduate Computer Science program. A minimum of 120 credits is required for the BS degree and a minimum of 141 credits is required for the combined BS MS degree in Computer Science.

Additional graduate courses to complete MS degree (21 credits)

- [CSCI6620](#) Software Engineering
- [CSCI7645](#) Systems Programming

Graduate electives in computer science (15 credits)

Students also take General Education Requirements and can choose to minor in other fields as well as take free electives.

Concentrations

Data Science

Required courses

- CSCI1205 Introduction to Computer Programming
- CSCI2215 Introduction to Computer Science I
- CSCI2216 Introduction to Computer Science II
- CSCI2255 Discrete Structures
- CSCI2232 Data Structures and Algorithms
- CSCI3998 Artificial Intelligence
- CSCI6623 Database Systems
- CSCI6603 Computer Architecture
- CSCI6638 Operating Systems
- CSCI3269 Introduction to Data Mining
- CSCI3315 Software Design
- CSCI3270 Introduction to Machine Learning
- CSCI4391 Senior Project I or CSCI4498 Computer Science Internship
- CSCI4999 Computer Science Assessment
- CSCI4392 Senior Project II *[if CSCI4498 not chosen]*

CSCI6623, CSCI6603, CSCI6638 [These course can be applied towards the MS degree provided that student earns a grade of B or better.]

Computer Science electives

CSCI3000 level or higher.

Mathematics required courses

- MATH1107 Precalculus
- MATH1203 Calculus I
- MATH2202 Calculus II
- MATH3220 Linear Algebra *(or)*
- MATH3318 Differential Equations
- Mathematics Elective (3 credits)

One additional course to be selected from the mathematics offerings (MATH designation) above 2000.

Physics required courses

- PHYS2003/PHYS2023 General Physics I with Calculus
- PHYS2013 General Physics I Lab with Calculus
- PHYS2004/PHYS2024 General Physics II with Calculus
- PHYS2014 General Physics II Lab with Calculus

Required dual courses applied towards undergraduate degree

- CSCI6603 Computer Architecture; CSCI6623 Database Systems; CSCI6638 Operating Systems

These courses can be applied towards the MS degree provided that the student earns a grade of B or better. Upon completion of the undergraduate degree, students who earned a 3.0 major GPA in Computer Science courses will be admitted into the graduate Computer Science program. A minimum of 120 credits is required for the BS degree and a minimum of 141 credits is required for the combined BS MS degree in Computer Science.

Additional graduate courses to complete MS degree (21 credits)

- CSCI6620 Software Engineering
- CSCI7645 Systems Programming

Graduate electives in computer science (15 credits)

Students also take General Education Requirements and can choose to minor in other fields as well as take free electives.

Game Development

Required courses

- CSCI1205 Introduction to Computer Programming
- CSCI2215 Introduction to Computer Science I
- CSCI2216 Introduction to Computer Science II
- CSCI2255 Discrete Structures
- CSCI2232 Data Structures and Algorithms
- CSCI3388 Introduction to Game Development
- CSCI6623 Database Systems

- CSCI3998 Artificial Intelligence
- CSCI4488 Advanced Game Development
- CSCI6638 Operating Systems
- CSCI3315 Software Design
- CSCI3389 Introduction to Human computer Interaction
- CSCI4391 Senior Project I or CSCI4498 Computer Science Internship
- CSCI3371 Modeling and Simulation or MATH3300 Probability and Statistics
- CSCI4999 Computer Science Assessment
- CSCI6603 Computer Architecture
- CSCI4392 Senior Project II

Required dual courses applied towards undergraduate degree

- CSCI6603 Computer Architecture; CSCI6623 Database Systems; CSCI6638 Operating Systems

Computer Science electives

CSCI3000 level or higher.

Mathematics required courses

- MATH1107 Precalculus
- MATH1203 Calculus I
- MATH2202 Calculus II
- MATH3220 Linear Algebra *(or)*
- MATH3318 Differential Equations
- Mathematics Elective (3 credits)

One additional course to be selected from the mathematics offerings (MATH designation) above 2000.

Physics required courses

- PHYS2003/PHYS2023 General Physics I with Calculus
- PHYS2013 General Physics I Lab with Calculus
- PHYS2004/PHYS2024 General Physics II with Calculus
- PHYS2014 General Physics II Lab with Calculus

Additional cognates:

- [ANIM2240](#) Low Poly 3D Modeling *(Required)*

Select from the following list of cognate courses in Animation:

- [ANIM1650](#) Game Design
- [ANIM2270](#) ZBrush Digital Sculpting Human Anatomy
- [ANIM2285](#) 3D Asset Creation for Video Games
- [ANIM2500](#) 3D Computer Animation
- [ANIM3330](#) 3D Environment Modeling
- [ANIM3350](#) 3D Game Creation Using Unreal
- [ANIM3450](#) 3D Game Creation Using Unity

Required dual courses applied towards undergraduate degree

- [CSCI6603](#) Computer Architecture; [CSCI6623](#) Database Systems;[CSCI6638](#) Operating Systems

These courses can be applied towards the MS degree provided that the student earns a grade of B or better. Upon completion of the undergraduate degree, students who earned a 3.0 major GPA in Computer Science courses will be admitted into the graduate Computer Science program. A minimum of 120 credits is required for the BS degree and a minimum of 141 credits is required for the combined BS MS degree in Computer Science.

Additional graduate courses to complete MS degree (21 credits)

- [CSCI6620](#) Software Engineering
- [CSCI7645](#) Systems Programming

Graduate electives in computer science (15 credits)

Students also take General Education Requirements and can choose to minor in other fields as well as take free electives.

Cybersecurity

Required courses

- [CSCI1205](#) Introduction to Computer Programming

- CSCI2215 Introduction to Computer Science I
- CSCI2216 Introduction to Computer Science II
- CSCI2255 Discrete Structures
- CSCI2232 Data Structures and Algorithms
- CSCI3157 Cybersecurity
- CSCI6623 Database Systems
- CSCI3666 Data Communication and Computer Networks
- CSCI3371 Modeling and Simulation or MATH3300 Probability and Statistics
- CSCI6638 Operating Systems
- CSCI3158 Information Security Design and Management
- CSCI3355 Introduction to Cryptography
- CSCI3315 Software Design
- CSCI3869 Network Security
- CSCI4498 Computer Science Internship
- CSCI4999 Computer Science Assessment
- CSCI6603 Computer Architecture
- CSCI3870 Security Regs, Detection and Forensics

CSCI6623, CSCI6603, CSCI6638 [These courses can be applied towards the MS degree provided that student earns a grade of B or better.]

Computer Science electives

CSCI3000 level or higher.

Mathematics required courses

- MATH1107 Precalculus
- MATH1203 Calculus I
- MATH2202 Calculus II
- MATH3220 Linear Algebra *(or)*
- MATH3318 Differential Equations
- Mathematics Elective (3 credits)

One additional course to be selected from the mathematics offerings (MATH designation) above 2000.

Physics required courses

- [PHYS2003](https://selfservice.fdu.edu/Student/Courses/Search?keyword=PHYS2023″>[PHYS2023](https://selfservice.fdu.edu/Student/Courses/Search?keyword=PHYS2023) General Physics I with Calculus
- [PHYS2013](https://selfservice.fdu.edu/Student/Courses/Search?keyword=PHYS2013) General Physics I Lab with Calculus
- [PHYS2004](https://selfservice.fdu.edu/Student/Courses/Search?keyword=PHYS2004)/[PHYS2024](https://selfservice.fdu.edu/Student/Courses/Search?keyword=PHYS2024) General Physics II with Calculus
- [PHYS2014](https://selfservice.fdu.edu/Student/Courses/Search?keyword=PHYS2014) General Physics II Lab with Calculus

Other courses

As part of the humanities and social science requirements, students will opt to take [PHIL1003](https://selfservice.fdu.edu/Student/Courses/Search?keyword=PHIL1003) Ethics and [SOCI2306](https://selfservice.fdu.edu/Student/Courses/Search?keyword=SOCI2306) Crime and Criminology.

Required dual courses applied towards undergraduate degree

- [CSCI6603](https://selfservice.fdu.edu/Student/Courses/Search?keyword=CSCI6603) Computer Architecture; [CSCI6623](https://selfservice.fdu.edu/Student/Courses/Search?keyword=CSCI6623) Database Systems; [CSCI6638](https://selfservice.fdu.edu/Student/Courses/Search?keyword=CSCI6638) Operating Systems

These courses can be applied towards the MS degree provided that the student earns a grade of B or better. Upon completion of the undergraduate degree, students who earned a 3.0 major GPA in Computer Science courses will be admitted into the graduate Computer Science program. A minimum of 120 credits is required for the BS degree and a minimum of 141 credits is required for the combined BS MS degree in Computer Science.

Additional graduate courses to complete MS degree (21 credits)

- [CSCI6620](https://selfservice.fdu.edu/Student/Courses/Search?keyword=CSCI6620) Software Engineering
- [CSCI7645](https://selfservice.fdu.edu/Student/Courses/Search?keyword=CSCI7645) Systems Programming

Graduate electives in computer science (15 credits)

Students also take General Education Requirements and can choose to minor in other fields as well as take free electives.

[Back to Top](#)

Computer Science BS, Cybersecurity and Information Assurance MS 4+1 Program

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program for a BS in Computer Science with a pathway to the MS in Cybersecurity Information Assurance. Three graduate courses: CSCI6623 Database Systems (3 credits), CSCI6638 Operating Systems (3 credits), and CSCI6731 Computer Networks (3 credits), when successfully completed under the 4 Plus 1 program, can be credited toward both the BS and the MS degrees. Students must take one of the three concentrations: big data analytics, cybersecurity and information assurance, and mobile and game app development in the BS in computer science program. This combined degree program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

Special Information

Professional Accreditation and Other Designation

The BS in computer science program is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org. This accreditation applies only to the BS in computer science program offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering at the Metropolitan Campus, Teaneck, NJ.

Students completing the BS in computer science program with a concentration in cybersecurity and information assurance are eligible to receive a Certificate of Completion of a National Security Agency (NSA) and Department of Homeland Security (DHS)-designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA).

Cooperative Education Option

Students in the BS in computer science program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives.

Admission Requirements

- Students must register for this program upon completing at least 45 credits and must have achieved a cumulative grade point ratio (CGPR) of at least 2.75.
- A minimum of 120 credits is required for the BS in computer science degree, and a minimum of 141 of credits is required for the combined BS in computer science/MS in cybersecurity and information assurance
- In addition, for degree completion, the BS in computer science degree requires a minimum CGPA of 2.0; the MS in cybersecurity and information assurance, 2.75

Degree Plan

First Semester (14 credits)

- CSCI1201 Computer Programming I (3 credits)
- ENGR2286 Digital System Design (3 credits)
- MATH1201 Calculus I (4 credits)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

Second Semester (14 credits)

- CSCI1202 Computer Programming II (3 credits)
- CSCI2215 Introduction to Computer Science (3 credits)
- MATH2202 Calculus II (4 credits)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

Third Semester (16 credits)

- CSCI2234 Data Structures and Algorithms (3 credits)
- CSCI2247 Assembly Language Programming (3 credits)

- ENGR2210 Technical Communications (3 credits)
- PHYS2201 Physics I Laboratory (1 credit)
- PHYS2203 University Physics I Lecture (3 credits)
- UNIV2001 Cross Cultural Perspectives (3 credits)

Fourth Semester (16 credits)

- CSCI2235 Survey of Computing Security (3 credits)
- CSCI6623 Database Systems (3 credits)
- MATH3237 Probability and Statistics I (3 credits)
- PHYS2202 Physics II Laboratory (1 credit)
- PHYS2204 University Physics II Lecture (3 credits)
- UNIV2002 Global Issues (3 credits)

Fifth Semester (15 credits)

- CSCI6731 Computer Networks (3 credits)
- CSCI6638 Operating Systems (3 credits)
- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- MATH2255 Discrete Structures (3 credits)
- Humanities Elective (3 credits)
  - Take three credits of coursework in ARTH, CINE, CGDH, DANH, HIST, HUMN, LANG (not foreign language), LITS, MUSIH, PHIL, RELI, or THEAH.

Sixth Semester (15 credits)

- CSCI3251 Design of Software Systems (3 credits)
- MATH3220 Linear Algebra (3 credits)
- Concentration Courses (6 credits)
- Free Elective (3 credits)

Seventh Semester (16 credits)

- CSCI3249 Computer Organization(3 credits)
- CSCI4384 Preparation for Computer Science Senior Project (1 credit)

- [ENGR4210](#) Managerial and Engineering Economic Analysis (3 credits)
- Concentration Course (3 credits)
- Technical Electives (6 credits)

Eighth Semester (14 credits)

- [CSCI3260](#) Mathematical Foundations of Computer Science (3 credits)
- [CSCI4386](#) Computer Science Senior Project (2 credits)
- Concentration Courses (6 credits)
- Technical Elective (3 credits)

Concentration Requirements (15 credits)

Students must complete any one of three concentration areas: big data analytics, cybersecurity and information assurance or mobile and game application development. Each concentration requires the successful completion of five courses (15 credits). Students pursuing a concentration in game and mobile application development are recommended to take two computer animation courses from the School of the Arts as a free elective and a technical elective in the BS in computer science curriculum.

Big Data Analytics Concentration

- [CSCI3331](#) Advanced Database
- [CSCI3318](#) Cloud Computing
- [CSCI3387](#) Machine Learning
- [CSCI3461](#) Data Mining and Applications
- [CSCI3485](#) Big Data Analytics

Cybersecurity and Information Assurance Concentration

- [CSCI3274](#) Linux System Administration (3 credits)
- [CSCI3345](#) Firewalls and Intrusion Detection Systems (3 credits)
- [CSCI3410](#) Foundations of Cybersecurity (3 credits)
- [CSCI3420](#) Cryptography (3 credits)
- [CSCI3783](#) Information Security (3 credits

Game and Mobile Application Development Concentration

- [CSCI3314](#) Mobile Application Development (3 credits)
- [CSCI3317](#) Computer Game Programming (3 credits)
- [CSCI3444](#) Programming for the Internet
- [CSCI3385](#) Artificial Intelligence
- [CSCI3387](#) Machine Learning

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[Back to Top](#)

Construction Engineering Technology BSConET

The Bachelor of Science in Construction Engineering Technology (BSConET) program educates and trains students for industrial positions requiring a sophisticated, applied-technical orientation in building construction, engaging in construction-project design, development and management. The curriculum consists of an integrated sequence of undergraduate courses emphasizing the application of engineering and scientific knowledge, methods, technology and management and technical skills appropriate to the construction engineering technology discipline. The program graduates are capable of solving design and applied-engineering problems, as well as performing managerial, business and sales functions. The graduates of this program work in the construction industry as contractors, field supervisors, project managers, job superintendents,

estimators, safety specialists, schedulers and examiners. Job responsibilities would include design, development, liaison, cost estimation, supervision, installation, testing, maintenance, services or sales. The construction engineering technology profession has substantial career opportunities, excellent average starting salary, very good median long-term salary, robust job growth and great career fulfillment. The demand for the program graduates will further increase as the $1-trillion Infrastructure Investment and Jobs Act is implemented over the next eight years.

The program is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) at the Metropolitan Campus, Teaneck, New Jersey. The BS in Construction Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET.

The faculty members maintain excellent communication with the industry and encourage students to gain industrial experience through cooperative education. Laboratory and industry-oriented project assignments complement the lectures and recitations throughout the program to provide students with these learning opportunities that are crucial to their success in the workplace. Students work in state-of-the-art laboratories. A capstone project based on an approved written proposal is required in the eighth semester for all students.

Professional Accreditation

The BS in Construction Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, https://www.abet.org.

Educational Objectives

The educational objectives of the BS in Construction Engineering Technology program define the career and professional accomplishments that the graduates are being prepared to achieve three to four years after graduation. The program will produce graduates who:

1. Enter into and advance their careers in construction, operation and/or maintenance of buildings and infrastructures using their theoretical knowledge and practical skills in managing and inspecting construction projects, analyzing and estimating cost, and specifying construction methods and materials

2. Continue their formal education and obtain advanced degrees such as MS in construction management, MBA (industrial management), MS in environmental studies, MS in technology management or other related fields.

3. Continue to conduct themselves as both responsible professionals and global citizens who are aware of and who understand ethical issues and societal needs and problems.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of the program constituencies, which include students, alumni, employers, faculty, and the Industrial Advisory Board.

Student Outcomes

Each construction engineering technology graduate will demonstrate the following attributes and achievements as required by the ETAC of ABET upon or before graduation:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;

2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;

3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;

4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and

5. An ability to function effectively as a member as well as a leader on technical teams.

Cooperative Education or Work Experience Option

Students in the BS in Construction Engineering Technology program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives. The co-op experience provides students a real-world grounding, linking theory and practice, academic and industrial experiences, and college education and lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and

professional contacts and allows them to experience career fields before graduation. Industry benefits from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Instead of undertaking cooperative education, students may earn up to 6 academic credits for appropriately documented industrial experience (Work Experience) counted toward their technical electives. Note that credits earned from industrial experience and/or cooperative education may not be substituted for any required course work and that they altogether may not exceed a total of six credits. Students must have successfully completed the course EGTG2210 Technical Communications before the application for "Work Experience" credits can be considered. The application form and directions for submission of necessary documents in support of the application may be obtained from the office of GHSCSE.

Degree Plan

The program requires the successful completion of 120 credits with a minimum cumulative grade point ratio of 2.00 as described below.

1st Semester (15 credits)

- ENGR1301 Engineering Practices, Graphics and Design (3 credits)
- MATH1107 Precalculus (4 credits)
- PHYS2101 General Physics I (3 credits)
- PHYS2201 Lab: Physics I (1 credit)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

2nd Semester (14 credits)

- EGTC1223 Introduction to CAD (2 credits)
- MATH1201 Calculus I (4 credits)
- PHYS2102 General Physics II (3 credits)
- PHYS2202 Lab: Physics II (1 credit)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

3rd Semester (17 credits)

- [CHEM1201](#) General Chemistry I (3 credits)
- [CHEM1203](#) General Chemistry Laboratory I (1 credit)
- [EGTC1205](#) Surveying I (3 credits)
- [EGTC1245](#) Construction Materials and Systems (3 credits)
- [EGTG2221](#) Statics (3 credits)
- [MATH2202](#) Calculus II (4 credits)

4th Semester (15 credits)

- [EGTG2210](#) Technical Communications (3 credits)
- [EGTG2228](#) Strength of Materials (3 credits)
- [EGTG4221](#) Engineering Statistics and Reliability (3 credits)
- [ENGR1204](#) Programming Languages in Engineering (3 credits)
- [ENGR3000](#) Modern Technologies (3 credits)

5th Semester (12 credits)

- [EGTC3250](#) Structural Analysis (3 credits)
- [EGTC3261](#) Estimating I (3 credits)
- [EGTC4241](#) Soil Mechanics (3 credits)
- [EGTG4254](#) Fluid Mechanics (3 credits)

6th Semester (15 credits)

- [EGTC2246](#) Timber Structure Building Sys (3 credits)
- [EGTC4242](#) Foundations (3 credits)
- [EGTG3351](#) Applied Thermodynamics (3 credits)
- [UNIV2001](#) Cross-Cultural Perspectives (3 credits)
- [EGTC3257](#) Concrete Structures (3 credits)

7th Semester (15 credits)

- [EGTC3256](#) Steel Structures (3 credits)
- [EGTC4263](#) Project Management and Control I (3 credits)
- [EGTC4265](#) Construction Practices I (3 credits)
- [EGTG2215](#) Circuits I (3 credits)
- [EGTG4269](#) Management and Engineering Economics (3 credits)

8th Semester (17 credits)

- [EGTC3270](#) Environmental and Land-use Planning (3 credits)
- [EGTC4264](#) Project Management and Control II (3 credits)
- [EGTC4384](#) Construction Technology Design Project (2 credits)
- Technical Electives (6 credits)
- [UNIV2002](#) Global Issues (3 credits)

Technical Electives

The student must take 6 credits of technical electives, to be chosen from the following list with prior approval from the GHSCSE Director of their designee:

- [CHEM1202](#), [CHEM1204](#) General Chemistry II Lecture (3 credits) and Laboratory (1 credit)
- [EGTC4321](#) Bridge Design (3 credits)
- [EGTC4322](#) Hydraulic Design (3 credits)
- [EGTC4323](#) Seismic Design (3 credits)
- [EGTG3211](#) Materials Technology I (3 credits)
- [EGTG3431](#) Dynamics (3 credits)
- [EGTM4040](#) Heating, Ventilation and Air Conditioning (3 credits)
- [EGTM4041](#) Heating, Ventilation, Air Conditioning and Refrigeration Controls (3 credits)
- [EGTC1206](#) Surveying II (3 credits)
- [EGTC3262](#) Estimating II
- [EGTC4260](#) Contracts & Specs (3 credits)

Other technical electives may be taken with prior approval from a program adviser. Up to 6 credits for work experience or cooperative education experience but not both may be used in place of technical electives.

Program Enrollment and Degree Data

The official fall term enrollment figures (head count) of the BS in Construction Engineering Technology program for the last five academic years and the number of degrees conferred during each of those years.

Academic Year	Enrollment Year	Total	Degrees Awarded

		1st	2nd	3rd	4th		
2018 -2019	FT	3	1	1		5	Not yet available
	PT					0	
2017 -2018	FT	5	2	1	1	9	1
	PT	1	1		1	3	
2016 -2017	FT	2	1	2	2	7	1
	PT	1				1	
2015 -2016	FT	3	2	3	2	10	1
	PT			1		1	
2014-2015	FT	4	6	1	1	12	2
	PT		1			1	

FT- full time, PT- part time

Contact Information

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Back to Top

Creative Writing BA

About BA in Creative Writing

The BA in creative writing offers wonderful opportunities for emerging writers as they prepare for careers in a variety of fields.

Students have the chance to study with nationally celebrated professional authors and editors and to play a valued role in a vital community of writers and readers. The distribution of course requirements provides students with a solid background in literary studies, an introduction to creative writing in a number of genres, an advanced focus in a particular genre and an opportunity to choose from dozens of complementary minors to tailor the major to the student's particular interests and needs.

Career Paths

The program is devoted to providing students with the best possible foundation for careers both in and out of the creative writing field. The program's graduates have gained positions as:

- Editors
- Lawyers
- Writers
- Teachers
- Professors
- Advertising/Marketing Professionals

In addition, many of our graduates choose to go on to graduate school in creative writing or literature.

Experiential Learning Opportunities

Students will have many opportunities to volunteer in the community and discover just how much their particular talents are valued in the world while making a significant contribution to it.

Notably, our students have the chance to work as interns at The Literary Review, one of the most prestigious literary magazines in the country heading into its 61st year of publishing important writers from around the world. FDU's online student magazine, Sphere, offers students the chance to work in all aspects of publishing as they collaborate to create the world's first international student literary journal while making friends and growing professional networks here and around the world.

Learning Outcomes

Graduates of this program will be able to:

1. Evaluate how craft, style, and technique in creative writing influence the writing process and strategies for revision.
2. Create a unique approach to crafting poetry, fiction, or nonfiction with a distinct voice, style, faith and/or worldview.
3. Effectively use grammar, syntax, and mechanics.
4. Incorporate scholarly research in the appropriate literary and theoretical fields into well-organized and revised essays.
5. Develop textually grounded interpretations of the content, form, aesthetics, genre, historical significance, themes, and relevant topics in literary texts.
6. Understand the role of feedback in the process of revision.

About the Creative Writing Degree

Students majoring in creative writing must complete 30 to 36 credits of writing courses and 9 credits in literature courses. An internship in an appropriate setting can be used as a writing elective.

Major Requirements (39-45 credits plus 3 cognate credits)

6 credits from the Major may be applied towards Gen Ed.

6 credits from the Minor may be applied towards Gen Ed.

Required Major Courses (24 Credits)

- CREW1001 Introduction to Creative Writing
- CREW2002 Creative Writing: Fiction
- CREW2003 Creative Writing: Poetry
- CREW2016 Creative Writing: Personal essay
- CREWH2255 Creative Writing: Playwriting and Dramatic Structure OR
- FILM2250 Screenwriting I
- CREW3020 Reading As Writers (by spring of junior year) [to be completed end of third year]
- CREW4001 Senior Writing Project I (by fall of senior year) [must be taken fall of senior year]
- CREW4002 Senior Writing Project II (by spring of senior year) [must be taken spring of senior year]

Required Electives (6-12 credits)

Students must take an advanced (3000-level) course in at least two of the four genres; students must have completed the 2000-level course before enrolling in the 3000-level course.

Students may elect other CREW3000-level courses.

- [CREW2016](#) CNF: What's Your Real Story
- [CREW3010](#) Special Topics: Invented Worlds — Speculative and Fantastic Fiction
- [CREW3011](#) Advanced Fiction Writing
- [CREW3012](#) Advanced Poetry Writing
- [CREW3013](#) Advanced Dramatic Writing
- [CREW3023](#) Special Topics: Telling the Truth

Additional Electives:

- [CREW4498](#) Internship in Creative Writing

Literature Electives (9 Credits)

Select one of the following:

- [LITS2001](#) World Literature I
- [LITS2002](#) World Literature II
- [LITS2003](#) World Literature III

Select 6 additional credits in LITS at the 2000 to 4000 level. Wroxton ENGL courses may be applied to these electives

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Back to Top

Creative Writing BA, Creative Writing MFA combined degree

BA in Creative Writing MFA in Creative Writing

The BA-MFA in creative writing is a uniquely designed accelerated degree that provides outstanding undergraduate students in FDU's creative writing program the opportunity to begin work on their graduate degree as they enter their senior year. After graduating from the BA program, students continue in the low-residency MFA program, and may complete their MFA degree within 18 months.

The accelerated BA-MFA program offers students both a shorter time frame to earn their MFA degree and significant cost savings by applying 12 credits of graduate course work toward undergraduate degree requirements. Scholarships and financial aid are available to eligible students.

Undergraduate creative writing majors at FDU must apply to the accelerated BA-MFA program during their junior year by submitting a letter of interest in the program and a writing sample to writingmfa@fdu.edu. Applications will be evaluated on the basis of the writing sample and previous undergraduate work in creative writing.

Once accepted, creative writing students complete 12 credits of graduate course work during the senior year (6 credits in the first semester and 6 credits in the second semester), in the genre of their concentration: fiction, creative nonfiction, poetry, literary translation, and writing for young adults and children.

For additional information, please contact René Steinke, director, at 973-443-8632 or writingmfa@fdu.edu.

Back to Top

Criminal Justice BA

The Criminal Justice curriculum is designed to skillfully integrate theory and academic constructs in direct relationship with the operational realities that influence and shape the ever-changing nature and composite of the United States criminal justice system.

The curriculum closely examines: the nature and incidence of crime; theories of criminality and punishment; the interdependent operation of the various components of the criminal justice system, which comprise police and law enforcement, the courts and adjudication process, and corrections; the organizational and personnel management theories relevant to criminal justice management and administration; the use and application of the state-of-the art computers and information technologies; forensic psychology; the forensic sciences; the impact of major social problems on crime and the criminal justice system, and the growing implications of cyber-crime, terrorism, and transnational crime.

Program Outcomes

- Knowledge and Understanding: Consistent with the criteria established by the Academy of Criminal Justices Sciences (ACJS), students will acquire a thorough knowledge and understanding of administration of justice; corrections; criminological theory; law adjudication, law enforcement; and research and analytic methods.
- Critical Thinking: Students will learn and demonstrate critical thinking, skeptical inquiry, and the scientific approach to problem solving by selecting and organizing information, identifying assumptions and causal relationships, distinguishing between verifiable facts and value claims, determining the credibility of sources, distinguishing between warranted or unwarranted reasons or conclusions, detecting biases, and evaluating appropriate problem solving strategies, their feasibility and efficacy.
- Effective Communication: Students will be able to communicate effectively, in writing and verbally, in a clear, concise, articulate, literate, and professional manner consistent with the conventions of the English language, of college writing, and with those specific to the discipline of law and criminal justice
- Information and Technological Literacy: Students will be able to demonstrate information literacy and technological competency utilizing the most current

computer-based library computer systems and academic databases, governmental resources, and other bona-fide informational resources to facilitate the study of criminal justice and criminology.

- Ethical and Professional Behavior: Students will learn to identify, evaluate, assess, and employ appropriate legal, ethical, and professional behaviors and practices within all aspects of their life, including, but not limited to an academic and criminal justice environment.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Required courses (33 credits)

- CRIM1101 Intro. to Criminal Justice
- CRIM1102 Criminology & Social Theory
- CRIM2100 Professional & Legal Writing
- CRIM2201 Police and Society
- CRIM2202 Corrections, Parole and Probation
- CRIM2204 Juvenile Justice and Delinquency
- CRIM2205 CJ Research Methods
- CRIM2208 Victimology
- CRIM3304 Criminal Justice Ethics
- CRIM3319 Courts and Judicial Process
- CRIM4405 CJ Capstone Seminar

Major electives (12 credits)

Criminal Justice majors are advised to refer to Self-Service or the current Undergraduate Studies Bulletin for criminal justice courses that may fulfill their major elective courses. Students considering the BA/MA Combined Degree Program are advised to confer with their advisor before registering for major elective courses.

Contact Information
For more information, please contact:

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Criminal Justice BA, Criminal Justice MA

The Department of Criminology and Criminal Justice offers a combined degree program that affords students the opportunity to combine their undergraduate and graduate studies. With the approval of their academic advisor and the program director, students can take up to two designated graduate courses that fulfill the requirements for both undergraduate and graduate degrees, thus accelerating completion of their Master of Arts in Criminal Justice.

Admission requirements

Students opting for the combined degree program must meet the minimum admission requirements for students applying to the graduate program in criminal justice as set forth in the current issue of the Graduate Studies Bulletin; the only exception of having obtained their baccalaureate degree.

It is recommended that students interested in the combined degree program declare their candidacy upon successful completion of 64 credits and/or upon entering their junior year; however, no later than having completed 90 undergraduate credits. This affords students the opportunity to collaborate with their advisor in the timely and appropriate selection of undergraduate and graduate courses.

To qualify for the combined program in Criminal Justice, students must possess and maintain a minimum of a 3.00 overall cumulative grade point average (CGPA), a 3.25 grade point average (GPA) within the criminal justice major, and be able to demonstrate

a proficiency in writing. Students in the combined degree program must maintain a minimum of a 3.00 GPA in the graduate courses for which they have been approved.

Program Learning Objectives

At the completion of the MA, students will:

- Be able to demonstrate a thorough knowledge and understanding of (1) administration of justice, (2) corrections, (3) criminological theory, (4) law adjudication, (5) law enforcement, and (6) research and analytic methods.
- Be able to demonstrate critical thinking, skeptical inquiry, and the scientific approach to problem solving by selecting and organizing information, identifying assumptions and causal relationships, distinguish between verifiable facts and value claims, determine the credibility of sources, distinguish between warranted or unwarranted reasons or conclusions, detect biases, and evaluate appropriate problem solving strategies, their feasibility and efficacy.
- Be able to communicate effectively, in writing and verbally, the conventions of the English language in a clear, concise, articulate, literate, and professional manner consistent with those of college writing and those specific to the discipline of law and criminal justice.
- Be able to use, manage, understand, and evaluate technologies to aid and solve practical problems. It involves possessing the knowledge and ability to access and research information utilizing contemporary technologies (hardware and software), as well as the ability to identify and discern qualified data, academic knowledge and information from unqualified data, non-academic knowledge and information.
- Be able to identify, evaluate, assess, and employ appropriate legal, ethical, and professional behaviors and practices within all aspects of their life, including, but not limited to an academic and criminal justice environment.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their bachelor's degree requirements.

Required Undergraduate Courses (36 credits)

- [CRIM1101](#) Intro. to Criminal Justice

- CRIM1102 Criminology & Social Theory
- CRIM2100 Professional & Legal Writing
- CRIM2201 Police and Society
- CRIM2202 Corrections, Parole and Probation
- CRIM2204 Juvenile Justice and Delinquency
- CRIM2205 CJ Research Methods
- CRIM2208 Victimology
- CRIM3319 Courts and Judicial Process
- CRIM6000 Criminal Justice
- CRIM6010 U.S. Constitution, Public Policy and Criminal Justice
- Any CRIM6000 or 7000 level course (3 credits)

Major Electives (12 credits)

Students in the BA/MA Combined Degree Program are advised to confer with their advisor before registering for elective courses.

Master's Degree Courses (24 credits)

- CRIM6005 Advanced Criminological Theory
- CRIM6015 Research Methods in Criminal Justice and Criminology
- CRIM6020 Statistics and Data Analysis Graduate Electives (15 credits)
    - o 15 credits of graduate electives may be selected from any CRIM6000 or 7000 level courses, in consultation with the advisor.

Note: It is recommended that CRIM6020 Statistics and Data Analysis serve as a prerequisite to CRIM6015 Research Methods.

Contact Information
For more information, please contact:
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Criminology BA

Criminology is the study of the root causes of crime and deviant behavior in society. Early criminologists believed that crime was a choice based on an individual's free will, but the field expanded to include biological, psychological and sociological explanations of crime. Poverty, family structure, and capitalism are among some of the widely debated root causes of crime. Criminologists consider what motivates offenders as well as the impact of crime on victims and society as a whole. By studying the causes of crime, criminologists can offer practical solutions to reduce or even prevent certain types of crime. Criminologists have been instrumental in evaluating criminal justice policies such as Megan's Laws, mandatory sentencing for drug offenders and Three Strikes laws.

Our courses also focus on national and international systems of law; comparative punishment and the administration of justice; and the various mechanisms of law enforcement and control at the local, state, federal and international levels. Additional courses we offer focus on international social and political problems which underlie current issues in international criminal law.

Criminology graduates, with the combination of a strong theoretical background and a practical skill set, will be well-prepared for advanced graduate studies and law school, as well as a variety of careers in state and federal law enforcement, investigation, victim advocacy, policy research and analysis. This degree offers students the opportunity to pursue a future in one of the most exciting, diverse and fastest growing fields.

Program Highlights

Some distinctive features of our program include:

- Practical competency in the fields of criminology, law enforcement, and public policy;

- Small classes emphasizing student participation (our average class size is 20, with upper division classes averaging 12);

- *Close working relationships with teachers* through independent studies, student-faculty research, activities outside of class, and individual mentoring and advising;

- *Preparation for life after graduation* through internships, study abroad, and developing the critical thinking, data analysis, and problem solving skills relevant to a range of professions.

Program Learning Objectives

At the conclusion of the program, graduates will be able to:

- Explain major criminological paradigms and theories.
- Apply major crime policies.
- Apply basic research methods in criminology.
- Explain the fundamentals of criminal justice system.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Required courses (18 credits)

- [CMLGY1201](#) Introduction to Sociology
- [CMLGY1306](#) Introduction to Crime & Criminology
- [CMLGY2203](#) Research Methods in Criminology
- [CMLGY2307](#) Social Deviance
- [CMLGY3309](#) Policy Analysis
- [CMLGY3997](#) Internship in Criminology (See Criminology Internships)

Elective courses (18 credits)

The elective courses vary by semester, but some of the options include the following:

- [CMLGY2300](#) Wrongful Convictions

- [CMLGY2503](#) Crime & Media
- [CMLGY3012](#) Crisis Intervention
- [CMLGY3030](#) Surveillance and Security
- [CMLGY3301](#) Women and Crime
- [CMLGY3308](#) Law & Society
- [CMLGY2317](#) Probation & Parole
- [CMLGY2333](#) Criminal Law
- [CMLGY3205](#) Responses to Mass Violence
- [CMLGY3310](#) Juvenile Delinquency

Contact Information

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[Back to Top](#)

Criminology BA, Criminal Justice MA

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BA Degree Requirements

Program Learning Objectives for BA Criminology

At the conclusion of the program, graduates will be able to:

- Explain major criminological paradigms and theories.
- Apply major crime policies.
- Apply basic research methods in criminology.

- Explain the fundamentals of criminal justice system.

Major Requirements (36 – 45 credits plus 9 dual credits)

Six credits from the MAJOR may be applied towards General Education Requirements.

Required Major courses (16 credits)

- CMLGY1201 Introduction to Sociology
- CMLGY1306 Introduction to Crime & Criminology
- CMLGY2203 Research Methods in Criminology
- CMLGY2307 Social Deviance
- CMLGY3309 Policy Analysis
- CMLGY3997 Internship in Criminology (See Criminology Internships)

Major Elective courses (12-21 credits)

NOTE: Students must take a minimum of 18 electives, 12 of these credits used be drawn from Criminology or designated Sociology courses, with at least 6 additional credits drawn from designated courses from at least two of the following fields: ANTH, GEOG, GOVT, PSYC, HIST. Please see department advisor for approved list of courses.

CMLGY3998 Internship in Criminology

The elective courses vary by semester, but some of the options include the following:

- CMLGY2300 Wrongful Convictions
- CMLGY2503 Crime & Media
- CMLGY3012 Crisis Intervention
- CMLGY3030 Surveillance and Security
- CMLGY3301 Women and Crime
- CMLGY3308 Law & Society
- CMLGY2317 Probation & Parole
- CMLGY2333 Criminal Law
- CMLGY3205 Responses to Mass Violence
- CMLGY3310 Juvenile Delinquency

Dual courses (9 credits) (3.0 GPA Required)

Graduate courses applied to undergraduate degree. Two courses to count as Major Elective courses, one course to count as a Free Elective.

- CRIM60__ or 70__(3 credits)
- CRIM60__ or 70__(3 credits)
- CRIM60__ or 70__(3 credits)

Minors and Free Electives

Six credits from the MINOR may be applied towards

Program Outcomes for MA Criminal Justice

Knowledge and Understanding: Consistent with and in addition to the criteria established by the Academy of Criminal Justices Sciences (ACJS), students will acquire a thorough knowledge and understanding of administration of justice; U.S. Constitution, U.S. government, political system, and public policy; corrections; criminological theory; law adjudication; law enforcement; and research and analytic methods.

Critical Thinking: Students will learn and demonstrate critical thinking, skeptical inquiry, and the scientific approach to problem solving by selecting and organizing information, identifying assumptions and causal relationships, distinguish between verifiable facts and value claims, determine the credibility of sources, distinguish between warranted or unwarranted reasons or conclusions, detect biases, and evaluate appropriate problem solving strategies, their feasibility and efficacy.

Effective Communication: Students will be able to communicate effectively, in writing and verbally, the conventions of the English language in a clear, concise, articulate, literate, and professional manner consistent with those of college writing and those specific to the discipline of law and criminal justice.

Information and Technological Literacy: Students will be able to demonstrate information literacy and technological competency utilizing the most current computer-based library computer systems and academic databases, governmental resources, and other bono-fide informational resources to facilitate the study of criminal justice and criminology.

Ethical and Professional Behavior: Students will learn to identify, evaluate, assess, and employ appropriate legal, ethical, and professional behaviors and practices within all

aspects of their life, including, but not limited to an academic and criminal justice environment.

MA Degree Requirements

Twenty seven additional graduate credits to complete MA degree

Required Courses (18 credits)

- CRIM6000 Professional Seminar in Criminal Justice
- CRIM6005 Advanced Criminological Theory
- CRIM6010 U.S. Constitution, Public Policy and Criminal Justice
- CRIM6015 Research Methods in Criminal Justice and Criminology
- CRIM6020 Statistics and Data Analysis
- CRIM8000 Critical Analysis of Criminal Justice

Professional Seminar in Criminal Justice (CRIM6000) must be taken within a student's first 3-9 credits of graduate courses. It is recommended that students take Statistics and Data Analysis (CRIM6020) before taking Research Methods (CRIM6015)

Graduate Elective courses (9 credits)

Students can choose three courses from any of the following courses in fulfilling their remaining 9 credits. All elective course selections must be made in consultation with the academic advisor.

- CRIM7020 Ethics, Politics, and Justice
- CRIM7025 Comparative Criminal Justice Systems
- CRIM7030 Principles of Leadership
- CRIM7060 Social Justice Advocacy
- CRIM7065 Crime, Victimology, and Risk Reduction
- CRIM7070 Contemporary Issues in Crime and Justice
- CRIM7080 Politics and Policies of Criminal Justice
- CRIM7081 Civil Rights and the Administration of Justice
- CRIM7082 Crime and Punishment
- CRIM7083 Selected Studies in CJ
- CRIM7084 Transnational Crime/Global Issues Selected Studies in CJ

- [CRIM7085](#) Advanced Internship in Criminal Justice

[Back to Top](#)

Degree Completion BA

The **Bachelor of Arts Degree Completion Program**, also known as the Bachelor of Arts in Individualized Studies or BAIS, is a baccalaureate degree program structured to meet the educational needs of adult learners. Designed for busy adults, the degree provides non-traditional students with a variety of options in meeting University requirements for an undergraduate degree grounded in the liberal arts. The degree is ideally suited to employed adult learners who have already earned some college credit. FDU will accept up to 90 credits, of the 120 required for the degree, from other sources. Students who receive the full 90 credits may complete the degree in as little as 18 months. The program recognizes the value of life/work experience and affords students the opportunity to receive advanced standing through portfolio assessment.

Students in the program may choose to pursue a single area of study in-depth or design a program of study by combining liberal arts courses with career-related specializations in a subject that matches their professional goals or personal interests. The result is a degree program that will be immediately appealing to mature adults who bring to FDU traditional course work completed over a period of years at a number of institutions, a history of work and life experiences that can be equated with credit-bearing courses, and the desire, commitment and self-discipline to complete the degree requirements.

Program highlights

- Offered fully online, as well as in-person and blended courses
- Transfer up to 90 credits from prior learning
- Career focused specializations in areas such as applied technology, business, communications, digital media arts, healthcare administration,

homeland security, hospitality, human resource management, liberal studies, public administration, technology and sustainability

- Personal attention from faculty with extensive industry experience

Want to learn more about the Bachelor of Arts in Individualized Studies? Please see the School of Professional Studies.

Contact Information

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Degree Completion BA: Puerta Al Futuro® (Gateway to the Future)®

Puerta Al Futuro fue fundado en el 2003 con el propósito de fomentar la educación superior en nuestra comunidad Hispana. Puerta Al Futuro permite a estudiantes hispanos con limitaciones de inglés, la oportunidad de obtener una carrera profesional a la vez que aprenden o perfeccionan su inglés. Becas y préstamos están disponibles para aquellos estudiantes que llenen los requisitos de la ayuda financiera. Hasta Junio del 2020, el programa ha matriculado miles estudiantes entre adultos de tiempo parcial y tiempo completo.

En respuesta al creciente número de empresas interesadas en proporcionar oportunidades educativas a sus empleados latinos, Fairleigh Dickinson University, diseñó programas académicos para aquellos adultos Latinos que deseen obtener una Licenciatura y/o Maestría para mejorar su posición laboral en sus lugares de trabajo.

Las clases tienen lugar en nuestras sedes de Hackensack, Hudson, Dover, Elizabeth y Perth Amboy.

Gateway to the Future was founded in 2003 with the purpose of promoting higher education in the Hispanic community. The program enables Spanish-speaking adults to learn English and to earn a college degree through progressive all-Spanish to all-English coursework. Grants and loans are available for those that meet financial aid criteria. As of October 2018, the program had an enrollment of 620 full- and part-time adult students.

In response to the increasing number of employers interested in providing educational opportunities to their Latino employees, FDU designed undergraduate degrees for Spanish speaking adults with the possibility of progressing into graduate degrees, allowing students to achieve their dreams and realize their potential.

Classes are offered in Hackensack, Hudson, Dover, Elizabeth, and Perth Amboy.

Comienza hoy

Requisitos

Descargar y llenar la aplicación para Puerta. Tomar examen de inglés en nuestras oficinas (costo = $50.00). Traer tus certificados, calificaciones o record de notas de las universidades que previamente haya asistido. Llenar la solicitud de ayuda financiera (FAFSA).

Si tienes otras preguntas llamar al 201-692-2625 or 201-692-2754.

Horario de clases

- *Lunes, Miércoles y Jueves ESL (Inglés como segundo idioma)*
- *Martes y Viernes clases universitarias*
- *Sabado 9 AM to 5:45 PM*

Ayuda Financiera

- *Ayuda Financiera Paso a Paso*
- *Solicitud Gratuita de Ayuda Federal para Estudiantes (FAFSA)*

Getting started

Requirements

Download and fill out the application for Puerta. Take the English exam in our offices (cost = $ 50.00). Bring your certificates, grades, or grade records from the universities you have previously attended. Fill out the financial aid application (FAFSA).

If you have other questions call 201-692-2625 or 201-692-2754.

Class schedule

- Monday, Wednesday, and Thursday ESL (English as a Second Language)
- Tuesday and Friday university classes offsite
- Saturday 9 AM to 5:45 PM

Financial Aid

Financial Aid Step by Step

Free Application for Federal Student Aid (FAFSA)

Asociado (AA) and Licenciatura (BA) Checksheet

Un mínimo de 120 créditos se requieren para la graduación en el BA, con un mínimo de 30 créditos (10 cursos) realizados dentro de FDU. De esos cursos, por lo menos 24 créditos (8 cursos) deben estar a nivel superior, con un código de 2000 o más.

*Haz clic aqui (PDF) para ver la lista (checksheet) de clases necesarias para completar un **BA/Bachelor/Licenciatura**.*

Un mínimo de 60 créditos se requieren para la graduación en el AA, con un mínimo de 30 créditos (10 cursos) realizados dentro de FDU. Todos los requisitos de Inglés y de aprendizaje para adultos deben ser completados antes de transferirse al programa BAIS.

*Haz clic aqui (PDF) para ver la lista (checksheet) de clases necesarias para completar un **AA / Asociado**.*

Associate (AA) and Bachelor (BA) Checksheet

A minimum of 120 credits is required for graduation in the BA, with a minimum of 30 credits (10 courses) taken within FDU. Of those courses, at least 24 credits (8 courses) must be at the higher level, with a code of 2000 or more.

Click here (PDF) to see the checksheet of classes required to complete a **BA / Bachelor / Bachelor's degree**.

A minimum of 60 credits is required for AA graduation, with a minimum of 30 credits (10 courses) taken within FDU. All English and adult learning requirements must be completed prior to transferring to the BAIS program.

Click here (PDF) to see the list (checksheet) of classes required to complete an **AA / Associate**.

BA Curriculum / Courses / Cursos

Cursos dentro del programa de Bachelor of Arts (BA)

Course Description – Descripción de los cursos

- **ART1061 Cultural Art (*Arte y Cultura*)**
  Estudio de bellas artes complementado con visitas al teatro, opera, ballet y museos de arte.

- **ART1071 Film and Society (*Cine y Sociedad*)**
  El cine desde los primeros años hasta el presente, como reflejo de las ideas sociales, políticas y sicológicas que definen el mundo moderno; el cine como una forma de arte.

- **BIOL1105, BIOL1115 The Human Environment (*El Ambiente Humano*)**
  La especie humana es tratada como un componente biológico de un complejo ecosistema. Los temas incluyen la evolución humana, el cambio tecnológico, la disponibilidad de recursos y los problemas de polución. Cátedra y laboratorio

- **COMM2101 Professional Communication (*Comunicaciones Profesionales)***
  Este curso ofrece la oportunidad de fortalecer las habilidades para hacer presentaciones y entender las dinámicas del orador y su auditorio también enfocándose en las comunicaciones interpersonales. Estudia y practica las técnicas principales de comunicación escrita y oral de manera apropiada para los comunicadores profesionales. Se enfatiza en dinámicas de grupo,

presentaciones colectivas, redacción de reportes, y el empoderamiento a los empleados así como las actitudes y conducta de los empleados.

- **ENGL1111** **Literature and Composition I (***Literatura y Composición I***)**
  Principios de gramática, estilo y retórica; redacción expositora; introducción a los estilos literarios, especialmente a la novela corta de ciencia ficción.

- **ENGL1112** **Literature and Composition II (***Literatura y Composición II***)**
  Redacción expositora, critica literaria; introducción a los estilos literarios, especialmente drama, poesía y novela; técnicas de investigación.

- **ENGL2209** **Business Communications (***Comunicaciones Empresariales***)**
  Comunicaciones empresariales efectivas y claras, tanto orales como escritas. El estilo, tono y organización apropiado en la escritura de reportes, memorandos y cartas.

- **ENGL2211** **Masterpieces of World Literature I (***Obras Maestras de la Literatura Mundial I***)**
  Trabajos representativos de la literatura mundial que se enfocan en los clásicos antiguos.

- **ENGW3001** **Advanced Writing Workshop (***Taller de Escritura Avanzada***)**
  Este curso presenta los principios avanzados de escritura en prosa expositora; enfoque en el estilo, el tono, la organización, el propósito y la audiencia, que son requeridos para la concentración en comunicación y escritura. Cumple con el requisito del programa de Estudios Generales para el "Bachelor of Arts" para la materia de Escritura Avanzada.

- **HIST2231** **The Heritage of the Past I** *(La Herencia del Pasado I)*
  Temas esenciales de la Civilización Occidental; el origen del universo y del ser humano; las dinámicas de la civilización; el antiguo Oriente Medio; la civilización Greco-Romana; el desarrollo de la Cristiandad; y la Edad Media.

- **HIST2232** **The Heritage of the Past II** *(La Herencia del Pasado II)*
  Temas esenciales a la civilización occidental: el Renacimiento, la Reforma, el Iluminismo, la Revolución Francesa y la Era Napoleónica, las revoluciones nacionales e ideológicas del siglo XIX, la Revolución Industrial y las bases del Siglo XX.

- **HIST2233** **The Modern World** *(El Mundo Moderno)*
  La Historia Mundial desde1848 hasta el presente. Los temas incluyen: Imperialismo, la Primera Guerra Mundial, el surgimiento de los sistemas totalitarios, la Segunda Guerra Mundial, la Guerra Fría, la descolonización de la postguerra y los desafíos contemporáneos.

- **HUMN3218** **Current Ethical Issues (***Problemas Éticos Contemporáneos***)**
  Este curso se enfoca en una diversidad de problemas éticos y morales

contemporáneos a nuestra sociedad. La clase promueve la discusión de artículos y publicaciones que debaten los problemas contemporáneos. La aplicación practica abarca proyectos de grupo y el análisis de literatura vigente.

- [MATH1131](#) **College Mathematics I (***Matemática Universitaria* **I)**
  Teoría de series, series numéricas, geometría coordinada, matrices, teoría numérica.

- [MATH1142](#) **Introduction to Statistics (***Introducción a Estadística)***
  Toma y presentación de cifras; medición descriptiva, series; teoría de probabilidad; variables aleatorias; expectativas matemáticas, probabilidad distributiva continua y discreta, incluyendo la Binomial, Poisson y Normal; distribución de muestreo; introducción a correlaciones y regresiones.

- [MGMT1110](#) **Business in a Global Society (***Negocios en una Sociedad Global)***
  Un vistazo a las funciones y operación de organizaciones empresariales en un Mercado global. Estructura organizacional, operaciones y financiación de las empresas que son estudiadas bajo la óptica legal, social y regulatorias, así como los problemas ambientales que impactan a las empresas en una estructura global. Se enfatiza en el análisis crítico, la comunicación, la habilidad de investigar y buscar soluciones dentro de ambientes individuales y de grupo.

- [MGMT1111](#) **Introduction to Business Management (***Introducción a la Administración de Empresas)***
  Los principios de administración, planeación, organización, dirección, manejo de personal y vigilancia de organizaciones privadas y publicas; las funciones comunes a todos los administradores; comunicación, motivación y toma de decisiones.

- [MGMT3361](#) **Human Motivation and Behavior (***Comportamiento y Motivación Humana)***
  A los estudiantes se les presenta una amplia variedad de teorías sobre el individuo, el grupo y las organizaciones e investigación empírica, así como las prácticas administrativas efectivas en las organizaciones. El énfasis esta en la aplicación de teorías y en el desarrollo de habilidades administrativas, tales como el entendimiento de las diferencias individuales, el trabajo cohesivo en equipo, la motivación y ascendencia sobre otros, el saber escuchar, las técnicas de liderazgo y como administrar el cambio organizacional.

- [MGMT4243](#) **Human Resource Management (***Administración del Recurso Humano)***
  Teorías y prácticas vigentes sobre la administración de personal, así como

la formulación y aplicación de políticas de manejo de personal para una fuerza laboral cohesiva dentro de una organización. Análisis y evaluación del manual de funciones, del desempeño laboral, políticas de contratación, selección y entrenamiento de personal y de mejoramiento profesional.

- **MIS1135 Introduction to Computers (*Introducción a las Computadoras*)**
  Un vistazo a las computadoras. Los temas incluyen hardware, software, fundamentos de programación, procesadores de palabras, hojas de cálculo, bases de datos, correo electrónico e Internet.

- **PADM3300 Public Policy and Administration (*Administración y Políticas Públicas*)**
  Este curso presenta a los estudiantes un análisis a la administración pública y administrativa en los Estados Unidos, incluyendo la formulación, implementación y evaluación de las iniciativas de políticas públicas en el nivel local, estatal y nacional.

- **PADM3301 Public Sector Budgeting (*Presupuestos para el Sector Público*)**
  Los estudiantes aprenden los fundamentos teóricos y practicas de las varias formas de elaborar un presupuesto gubernamental con particular énfasis en el papel que tiene el presupuesto como instrumento regulatorio.

- **PADM3302 Ethics and Values in Public Service Administration (*Ética y Valores en la Administración Pública*)**
  Dentro de este curso los estudiantes examinan diversas teorías sobre los sistemas éticos y de valores, enfocándose en el entendimiento de la influencia de la ética y los valores en los servicios de la administración publica.

- **PADM3303 Public Personnel Administration (*Administración de Personal en Entes Públicos*)**
  Estudio de la administración de personal en entidades publicas del orden local, estatal y nacional, que abarca la historia y desarrollo del sistema de servicio civil y del principio de meritrocracia, así como las funciones y operación de un sistema de personal publico y las nociones y técnicas esenciales en la administración de personal en las entidades públicas.

- **PADM3304 Public Sector Collective Bargaining and Labor Relations (*Negociación de un Pliego Colectivo en el Sector Público y las Relaciones Laborales*)**
  Este curso examina la negociación colectiva y la administración contractual del sector publico, incluyendo el arbitramento de disputas enfatizando particularmente en las implicaciones que tiene para los directivos y empleados dentro de las organizaciones del sector publico.

- **PADM3305** Local Government Administration *(Administración de Entidades Gubernamentales Locales)*
  Se familiariza a los estudiantes con la estructura, funciones y procesos administrativos de la administración gubernamental dentro de la esfera del municipio y del condado, incluyendo los poderes que tienen los administradores locales para imponer gravámenes, los sistemas de prestación de servicios y las limitaciones políticas y legales que enfrentan.

- **PADM4400** Seminar on Leadership Development *(Seminario Sobre Formación de Líderes)*
  En este seminario los participantes estudian teorías sobre liderazgo y su aplicación en el sector publico con un enfoque hacia el desarrollo de sus habilidades individuales de liderazgo.

- **PADM4562** Leadership of the Founding Fathers *(Liderazgo de los Patriarcas Fundadores)*
  Este curso estudia a diez de los patriarcas fundadores, sus vidas y sus papeles en el desarrollo de nuestro sistema inicial de gobierno, así como el impacto que su estilo individual tiene sobre nosotros actualmente.

- **PADM4563** Violence & Culture *(Violencia y Cultura)*
  Un provocador análisis de la complejidad y contradicción que involucran los comportamientos violentos dentro de las diversas sociedades en el mundo global.

- **PHIL1101** Logic (*Lógica*)
  La naturaleza y función del lenguaje, falacias semánticas, verdad y validez, principios del razonamiento lógico, tipos de proposiciones y sus relaciones lógicas, deducciones inmediatas y silogismos, falacias formales, conocimiento empírico y los principios de la causalidad.

- **PHIL2255** Business Ethics *(Ética Empresarial)*
  Este curso estudia las teorías sobre ética, nociones de moral y sus aplicaciones en los negocios. Los temas incluyen lo relacionado con la moral y la justicia, la responsabilidad social, la regulación frente a la libertad de empresa, los derechos de los consumidores, la corrupción, los conflictos de intereses, la publicidad, y los problemas ecológicos y ambientales.

- **PHYS1007** Physics of Medical Science (*Principios Físicos de la Ciencia Medica*)
  Este curso destaca como las leyes físicas son aplicadas a la medicina. Los temas abarcan las leyes de conservación de energía, biomecánica, presión e hidrostática, sonido y audición, calor y termodinámica, la óptica y la vista, aplicaciones de electroestática a la medicina, electricidad y magnetismo, electricidad y circuitos electrónicos aplicados a la instrumentación médica así como la física nuclear y atómica aplicados en la medicina y la radiología.

- **PHYS1126** Earth Physics *(Ciencias de la Tierra)*
  Una material electiva enfocada a la ciencia de laboratorio para estudiantes de ciencias liberales , ciencias naturales y con otras áreas de concentración. Puede ser tomada antes o después de estudiar PHYS1125, PHYS1025 Astronomy (Astronomía) o GEOL1101, GEOL1111 Introductory Geology (Introducción a la Geología). Se le da a los temas un tratamiento no muy enfatizado en las matematicas. El origen de la tierra como parte del sistema solar, la composición y estructura interna de la tierra, geofísica, la hidroesfera, la atmosfera, la oceanografía física así como los problemas relacionados con los contaminantes naturales y artificiales.

- **POLS1220** Comparative Government and Politics (*Sistemas Políticos Comparados)*
  Análisis y comparación de las instituciones políticas contemporáneas de determinados países. Cumple con el requisito del programa de Estudios Generales para el "Bachelor of Arts" para la materia de Perspectiva Internacional.

- **POLS2234** Geography & World Politics (*Geografía y Política Mundial*)
  Nociones básicas de geografía política. Elementos del estado, características geográficas: nucleo, dominio y frontera, puntos de presión, ubicación, clima y materias primas. La relación entre la organización política y la gente y su cultura. La naturaleza y la limitación de la soberanía.

- **POLS3307** Civil Liberties and Civil Rights (*Derechos y Libertades Civiles)*
  Análisis de las decisiones de la Corte Suprema de Justicia relacionadas con la libertad de expresión y de culto, con los derechos de la mujer, la discriminación racial y la igualdad de oportunidad amparadas por la Constitución.

- **POLS3318** Urban Government & Politics (*Política Gubernamental Urbana)*
  Las formas de gobierno local, análisis de los problemas urbanos, formulación de políticas, su ejecución e impacto.

- **PSYC1173** Group Dynamics (*Dinámicas del Grupo)*
  El proceso y dinámica de grupos pequeños estudiados a través del desarrollo del grupo y la solución de los problemas emanados en ese desarrollo.

- **SOCI3329** Social Class (*Clases Sociales)*
  Nociones básicas del análisis de la estratificación social, incluyendo las teorías de las estructuras de clases sociales, asimismo, los factores que determinan la identidad de clase, el comportamiento diferencial de clase social y la movilidad social.

- [SPCH1155](#) **Public Speaking (*Oratoria*)**
  Entrenamiento en la organización de ideas y su efectiva presentación por medio de la práctica al hablar frente a una audiencia.

UNIVERSITY CORE REQUIREMENT (12 Credits) – (REQUERIMIENTOS ESENCIALES DE LA UNIVERSIDAD (12 Creditos):

Fairleigh Dickinson University requires all students to complete a common University Core curriculum consisting of four integrated courses with a strong emphasis on the liberal arts. Transfer students receiving transfer credit for30-59 credits are exempt from one of the core courses; students transferring 60 or more credits are exempt from a second core course.

La Universidad Fairleigh Dickinson exige a sus estudiantes el cumplimiento de un currículo esencial que consiste en cuatro cursos complementarios con un fuerte énfasis en artes liberales. Los estudiantes que transfieren entre30 y 59 créditos están exentos de tomar uno de los cursos básicos requeridos y los estudiantes que transfieren 60 o más créditos están exentos de tomar un segundo curso básico de los requeridos.

CORE A – BASICO A

- [UNIV2002](#) **Global Issues (*El Desafío Global*)** *El Desafío Global presenta las dimensiones globales de varios problemas contemporáneos, abarcando lo concerniente al problema del medio ambiente global, la salud y crecimiento poblacional. También resalta la necesidad de dar un enfoque interdisciplinario al entendimiento de esos problemas. El curso tiene una duración de 12 semanas. Los estudiantes atienden una serie de cátedras dictadas por docentes de la Universidad Fairleigh Dickinson a través de un sistema de videoconferencias. Asimismo, el curso se dicta vía Internet.*

CORE B – BASICO B

- [CORE2007](#) **Perspectives on the Individual (*Perspectivas Sobre El Individuo*)**
  Prerequisite: [CORE1006](#) *University Core A – The Global Challenge*
  Dentro del mundo occidental tradicionalmente partimos del análisis del ser como una relación de yuxtaposición frente al colectivo. Este estudio involucra lecturas de las obras: "El Cuento de la Criada" de Margaret Atwood, el "Critón" y la "Apología de Sócrates" de Platón, apartes del "Discurso Sobre la Dignidad Humana" de Pico Della Mirandola, las "Baladas Liricas" y el poema "Tintern Abbey" de Wordsworth, asi como la obra de

Tillie Olsen "Tell Me a Riddle" y trabajos de Freud. El curso concluye con la autobiografía de Malcolm X y trata temas como su búsqueda y transformación interior a través de sus experiencias catárticas. Pueden ser incluidas otras lecturas eventualmente.

CORE C – BASICO C

- **[CORE2008]** **Cross-cultural Perspectives** *(Perspectivas Transculturales)*
  Prerequisite: [CORE2007] University Core B – Perspectives on the Individual
  Este curso comienza con un texto como el de Chinua Achebe "Todo Se Desmorona", que abarca temas de conflictos interculturales. El curso se centra en cuatro regiones geográficas: China, Latinoamérica, el África Subsahariana y Egipto. Estas regiones pueden ser modificadas eventualmente. El curso no busca profundizar en las culturas de cada una de estas regiones, por el contrario busca presentar a los estudiantes la nocion de diversidad cultural a través de ejemplos ilustrativos. El curso se centra en cuatro temas: 1) Supervivencia, 2) Familia, 3) Organización Social, y 4) Perspectiva Mundial.

CORE D – BASICO D

- **[INTER2013]** **The American Experience: The Quest for Freedom (***La Experiencia Estadounidense: La Busqueda de Libertad***)**
  Prerequisite: [CORE2008] University Core C – Cross-cultural Perspectives
  Empieza el curso con una detallada lectura de la Declaracion de Independencia, la Declaracion de Derechos, el Discurso de Gettysburg de Abraham Lincoln y el discurso de Martin Luther King "Yo Tengo Un Sueño" y explora la nocion de una promesa de búsqueda de libertad. A través del examen critico de esos textos y los problemas en la cultura estadounidense se evalua hasta donde se ha cumplido esa promesa. Otros textos incluyen novelas poemas, ensayos y autobiografías de autores como Benjamin Franklin, Thoureau, Upton Sinclair, Frederick Douglas, Dudley Randall y Langston Hughes.

Leadership Administration Certificate – Certificado en Administracion de Liderazgo

Select **any four courses** in the specialization, an elective *plus* the Global Challenge Course to earn an 18-credit undergraduate certificate.

Tome cuatro de los siguientes cursos, sumados a una electiva y el curso del Desafio Global para obtener un certificado de pregrado con 18 créditos.

- **[IBUS2201](#) Fundamentals of International Business *(Nociones de Negocios Internacionales)***
  Destaca la importancia de los aspectos administrativos y ambientales de los negocios internacionales. Estudia la complejidad e implicaciones de la exposición a la tecnología y competencia internacionales.

- **[MGMT1110](#) Business in a Global Society *(Negocios en una Sociedad Global)***
  Un vistazo a las funciones y operación de organizaciones empresariales en un Mercado global. Estructura organizacional, operaciones y financiación de las empresas que son estudiadas bajo la óptica legal, social y regulatorias, así como los problemas ambientales que impactan a las empresas en una estructura global. Se enfatiza en el análisis crítico, la comunicación, la habilidad de investigar y buscar soluciones dentro de ambientes individuales y de grupo.

- **[MGMT1111](#) Introduction to Business Management (*Introducción a la Administración de Empresas*)**
  Los principios de administración, planeación, organización, dirección, manejo de personal y vigilancia de organizaciones privadas y publicas; las funciones comunes a todos los administradores; comunicación, motivación y toma de decisiones.

- **[MGMT3361](#) Human Motivation and Behavior *(Comportamiento y Motivación Humana)***
  A los estudiantes se les presenta una amplia variedad de teorías sobre el individuo, el grupo y las organizaciones e investigación empírica, así como las prácticas administrativas efectivas en las organizaciones. El énfasis esta en la aplicación de teorías y en el desarrollo de habilidades administrativas, tales como el entendimiento de las diferencias individuales, el trabajo cohesivo en equipo, la motivación y ascendencia sobre otros, el saber escuchar, las técnicas de liderazgo y como administrar el cambio organizacional.

- **[MGMT4243](#) Human Resource Management (*Administración del Recurso Humano*)**
  Teorías y prácticas vigentes sobre la administración de personal, así como la formulación y aplicación de políticas de manejo de personal para una fuerza laboral cohesiva dentro de una organización. Análisis y evaluación del manual de funciones, del desempeño laboral, políticas de contratación, selección y entrenamiento de personal y de mejoramiento profesional.

- [PADM4400](#) **Seminar on Leadership Development (***Seminario Sobre Formación de Líderes*)**
En este seminario los participantes estudian teorías sobre liderazgo y su aplicación en el sector publico con un enfoque hacia el desarrollo de sus habilidades individuales de liderazgo.

Administration and staff

HACER is led by a group of highly talented and motivated individuals who are passionate about ensuring that Latino students have the opportunity to reach their full potential at the college level:

- Teodoro Llallire, Assistant Director, Llallire@fdu.edu
- Roberto Diaz, Assistant Director Puerta Al Futuro Program, diazr@fdu.edu
- Luz Helena Flores is Coordinator for Avanza and Puerta Al Futuro Programs, hf24@fdu.edu
- Ruth Soto, Administrative Assistant, rnsoto@fdu.edu

FDU is a member of the Hispanic Association of Colleges and Universities (HACU).

Contact Information
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Fairleigh Dickinson University, 150 Kotte Place, Room 208, Hackensack, NJ 07601

[Back to Top](#)

Degree Completion BA: Yeshiva and Seminary

Program Information Index

- Admissions requirements
- Degree requirements (Graduation requirements)
- Program learning outcomes
- Course schedule
- Contact information (Director and Advisor)
- Program highlights
- Forms for student use
- Frequently asked advising questions
- Faculty
- Other frequently asked questions

Admissions requirements

- **Completed online application**. There is no fee to apply.
- Proof of a high school diploma (official transcript) or GED.
- One year of post-secondary yeshiva/seminary studies in a recognized program.
- Official Yeshiva/Seminary transcripts.

To Submit Your Application:

- Please email a scan or PDF of the application to Mrs. Haines (m.haines@fdu.edu)
- Transcripts must come directly from the respective school to Mrs. Haines (m.haines@fdu.edu).

Degree requirements (Graduation requirements)

- Completion of 120 credits
- Cumulative GPA of 2.0 in upper-level courses completed at FDU

Every student must take a minimum of 30 credits (in-person or online courses) at FDU. Of these 30 credits, the following must be taken at FDU:

- [WRIT1003](#) (Composition II- Research & Argument)

- [UNIV2001](#) (Cross Cultural Perspectives)
- [UNIV2002](#) (Global Issues)
- Advanced Writing
- At least 3 courses in your Specialization

Of the 120-credit total, credits are typically transferred from Yeshiva, Seminary, or Israel Defense Forces study. Examples include

- Ethical Reasoning (3 credits)
- First Year Seminar courses (2 credits)
- Inquiry in the Arts and Humanities (6 credits)
- International Perspective (3 credits)
- Social and Behavioral Scientific Analysis (6 credits)
- Free Electives

The remaining credits that can be brought in (possibly at a posting fee) from outside sources (like standardized exams and other colleges) might include:

- [WRIT1002](#) (Composition I: Rhetoric and Inquiry)
- Speech or Professional Communications
- Mathematics
- Computer Science
- Science with Lab

All transfer credits should be submitted prior to the beginning of coursework and before students complete their FDU studies.

Program learning outcomes

Each college program has identified outcome measures that indicate whether students are successful in meeting the specific outcomes for the program. The following are outcome measures that will be assessed for the Bachelor of Arts Degree Completion program:

- **Communication**: An FDU graduate will demonstrate the ability to communicate effectively in written documents, when making oral presentations, and when appropriate, by using graphic presentation software.

- This outcome is also aligned with FDU University learning outcomes for written communication, oral communication and information literacy

- **Critical Thinking**: An FDU graduate will demonstrate the ability to define problems; to use information resources such as libraries and computers; and to analyze and integrate knowledge, perspectives and techniques.
    - This outcome is also aligned with FDU University learning outcomes for critical thinking.

- **Global and Culture Understanding** : An FDU graduate will demonstrate an understanding of the historic and global context of events and achievements over time as treated in subjects such as history, the arts and the humanities with an awareness of and sensitivity to global problems and social issues, including those involving ethnic and cultural differences.
    - This outcome is also aligned with FDU University learning outcomes for Global Understanding and Cultural Understanding

- **Specialization**: An FDU graduate will demonstrate the mastery of a body of knowledge in one subject area or a group of related areas that will be considered the graduate's specialization.

Contact Information
Dr. Eric Goldman, Program Director
201-692-2672
goldman@fdu.edu

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Mrs. Miranda Haines, Assistant Director and Academic Advisor
201-692-7154
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Electrical Engineering BSEE

Electrical engineering is one of largest, broadest and most dynamic engineering disciplines. It has more than 30 subdisciplines, including biomedical, computer, communications, control, electronics, navigation or power engineering. As such, electrical engineers are employed in virtually all sectors of many industries, and they account for many engineering jobs. Several subdisciplines of electrical engineering, including computer engineering and biomedical engineering, have become major engineering disciplines themselves. Electrical engineers have contributed to the greatest engineering achievements of the 20th and 21st centuries, which include electrification; household appliances; radio and television; telephones, cellphones and satellite communications; laser and fiber optics; computers and computer networks; control, navigation, transportation and travel; medical imaging and health technologies; internet; robotics, electric vehicles, to name a few. Moreover, as the nation's infrastructure ages and its population continues to grow, more electrical engineers will be needed to maintain, repair, upgrade or expand utility infrastructure, power grids and power plants, as well as to build new ones, focusing on renewable-energy sources. The electrical engineering profession is consistently ranked among the top earners. It has substantial career opportunities, excellent average starting salary, very good median long-term salary, robust job growth and great career fulfillment. The demand for electrical engineers will further increase as the $1-trillion Infrastructure Investment and Jobs Act is implemented over the next eight years.

The Bachelor of Science in Electrical Engineering (BSEE) program prepares graduates for entrance into the high-demand profession of electrical engineering or graduate study. Graduates work in the industry as electrical engineers, typically specializing as biomedical, computer, control, communications, electronics, integrated-circuit (IC) design, instrumentation, signal processing or power engineers. They may also hold other titles including facilities engineers, systems engineers, project engineers, and project or technical managers.

The program is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) at the Metropolitan Campus, Teaneck, New Jersey. The BS in Electrical Engineering program is accredited by the Engineering Accreditation Commission of ABET.

The BSEE curriculum provides students with a varied and balanced educational experience through an appropriate combination of theoretical concepts and practical

applications. It also provides students with an engineering-design experience that expands in breadth and depth as they progress through their studies. A stimulating course of study is maintained by offering students a reasonable variety of focus areas and contemporary courses in current and emerging fields. The program focuses on communications, computers, control, electronics, embedded systems, power and signal processing. The engineering laboratory experience is fully integrated with coursework. Students work in many state-of-the-art laboratories.

In particular, the design experience is introduced early in the curriculum. Simple design examples are presented in a freshmen introductory course to engineering. Students begin to learn basic AC and DC circuits, operational amplifiers, three-phase circuits, two-port networks, filters and system analysis in a three-course sequence in circuit theory and systems. This enables them to design complex linear and nonlinear analog electronic circuits and devices in a three-course sequence in electronics. Students also design digital systems involving logic gates, counters, shift registers, multiplexers, demultiplexers, encoders and decoders and advance to the design of microprocessor and microcontroller-embedded systems in a three-course sequence in digital logic and system design. The design of digital filters is conducted in a digital signal processing course. Students also learn about the principles and applications of electromagnetic fields and waves (EMF) and how to design, build and test various types of antennas in an EMF course.

Advanced courses help students acquire additional experimental, design and computer-simulation skills and integrate theory with practice. As a culmination of their design experience, senior students are required to successfully design a component, a system or a process in the senior capstone project course by utilizing their past coursework, following professional practice, exercising sound engineering judgment and by incorporating appropriate engineering standards and multiple realistic constraints.

Because of the importance of modern telecommunications technology in a global society and particularly in the state of New Jersey, which is home to many leading telecommunication companies, three telecommunications courses: communication systems, data communications and computer networks and wireless communications are required in the curriculum. An analog and digital control course is also required because of the wide utilization of automatic control systems in industry. Moreover, because of the great demand for power engineers, an electrical energy conversion course is added to the curriculum. Electives allow students to further enhance their knowledge and to develop design skills in various technical areas based on their interests and goals.

The school also offers an electrical engineering minor (for non-electrical engineering majors) and the BSEE/MS in computer engineering and BSEE/MS in Electrical Engineering combined-degree programs.

Professional Accreditation

The BS Electrical Engineering program is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org.

Educational Objectives

The educational objectives of the BS in Electrical Engineering program define the career and professional accomplishments that the graduates are being prepared to achieve three to four years after graduation. The program will produce graduates who:

1. Enter into and advance in the profession of electrical engineering, particularly in the areas of systems and devices, computers, and communications.
2. Continue their formal education and obtain advanced degrees in electrical engineering or other related fields.
3. Become responsible professionals and global citizens who are aware of ethical issues and societal needs and problems.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of our constituents, which include students, alumni, employers, faculty and the Industrial Advisory Board.

Student Outcomes

Each electrical engineering graduate will demonstrate the following attributes and achievements as required by the EAC of ABET upon or before graduation:

1. An ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.

4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Cooperative Education Option

Students in the BSEE program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives. Note that these credits may not be substituted for any required course work. The co-op experience provides students a real-world grounding, linking theory and practice, academic and industrial experiences, and college education and lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and professional contacts and allows them to experience career fields before graduation. Industry benefits from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Degree Plan

The program requires the successful completion of 121 credits with a minimum cumulative grade point ratio of 2.00 as described below.

1st Semester (15 credits)

- ENGR1301 Engineering Practices, Graphics and Design (3 credits)
- MATH1201 Calculus I (4 credits)
- PHYS2201 Physics Laboratory I (1 credit)
- PHYS2203 University Physics I Lecture (3 credits)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

2nd Semester (18 credits)

- ENGR1204 Programming Languages in Engineering (3 credits)
- ENGR2286 Digital System Design (3 credits)
- MATH2202 Calculus II (4 credits)
- PHYS2202 Physics Laboratory II (1 credit)
- PHYS2204 University Physics II Lecture (3 credits)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

3rd Semester (15 credits)

- EENG2221 Signals and Systems I (3 credits)
- EENG2287 Microprocessor System Design I (3 credits)
- ENGR3200 Advanced Engineering Programming (3 credits)
- MATH2210 Differential Equations (3 credits)
- UNIV2001 Cross Cultural Perspectives (3 credits)

4th Semester (15 credits)

- EENG2222 Signals and Systems II (3 credits)
- EENG3288 Microprocessor System Design II (3 credits)
- ENGR2210 Technical Communications (3 credits)
- ENGR4221 Engineering Statistics and Reliability (3 credits)
- UNIV2002 Global Issues (3 credits)

5th Semester (15 credits)

- EENG3223 Linear Systems (3 credits)
- EENG3265 Electronics I (3 credits)
- EENG4375 Electrical Energy Conversion (3 credits)
- MATH2203 Calculus III (3 credits
- ENGR4210 Managerial and Engineering Economic Analysis (3 credits)

6th Semester (16 credits)

- CHEM1201 General Chemistry I Lecture (3 credits)

- CHEM1203 General Chemistry I Laboratory (1 credit)
- EENG3224 Digital Signal Processing (3 credits)
- EENG3266 Electronics II (3 credits)
- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- ENGR3341 Advanced Engineering Mathematics (3 credits)

7th Semester (13 credits)

- EENG3244 Electromagnetic Fields and Waves (3 credits)
- EENG3267 Electronics III (3 credits)
- EENG4260 Preparation for Electrical Engineering Project (1 credit)
- EENG4342 Data Communications and Computer Networks (3 credits)
- EENG4355 Analog and Digital Control (3 credits)

8th Semester (14 credits)

- EENG4268 Electrical Engineering Project (2 credits)
- EENG4341 Communication Systems (3 credits)
- Technical Electives (9 credits)

Technical Electives

The student must take 9 credits of technical electives. Appropriate upper-level courses in engineering, math, science, and computer science may be taken with prior approval from the GHSCSE Director or their designee.

- ENGR2221 Statics (3 credits)
- CHEM1202, 1204 Chem II & lab (4 credits)
- CSCI2234 Data Structures & Algorithms (3 credits)
- CSCI3278 Operating Systems (3 credits)
- CSCI3268 Database Systems (3 credits)
- EENG7709 Embedded Systems (3 credits)
- MATH3220 Linear Algebra (3 credits)

Electrical Engineering Minor

(For Non-Electrical Engineering Majors)

GHSCSE offers a 15-credit minor in electrical engineering (EE) for non-EE majors. This minor provides these students with a basic foundation in EE, and it can bring them additional employment opportunities and career options. The minor is appropriate to those non-EE majors who have strong mathematics and science backgrounds. To take any course in the minor, a student must meet all the prerequisites for that course. The required courses are as follows:

- EENG2221 Signals and Systems I (3 credits)
- EENG2222 Signals and Systems II (3 credits)
- EENG2287 Microprocessor System Design I (3 credits)
- EENG3265 Electronics I (3 credits)
- ENGR2286 Digital System Design (3 credits)

BSEE/MS in Computer Engineering 4 Plus 1 Program

GHSCSE offers a 4 Plus 1 program that allows qualified students to attain a Bachelor of Science in Electrical Engineering (BSEE) with a pathway to the Master of Science (MS) in computer engineering. Students must register for this program by their junior year and must have achieved a cumulative grade point ratio of at least 2.75.

BSEE/MS in Electrical Engineering 4 Plus 1 Program

GHSCSE offers a 4 Plus 1 program that allows qualified students to attain a Bachelor of Science in Electrical Engineering (BSEE) with a pathway to the Master of Science (MSEE) in Electrical Engineering. Students must register for this program by their junior year and must have achieved a cumulative grade point ratio of at least 2.75.

Program Enrollment and Degree Data

The official fall term enrollments of the BS in Electrical Engineering program for the last five academic years and the number of degrees conferred during each of those years.

Academic Year	Enrollment Year				Total Undergrad	Total Grad	Degrees Awarded	
	1st	2nd	3rd	4th			Bachelors	Masters

Current Year	2023-2022	FT	62	10	14	9	95	3	*Not available	*Not available
		PT				3	3			
1	2022-2021	FT	22	21	9	6	58	6	7	2
		PT				8	8	3		
2	2021-2020	FT	59	6	5	14	84	10	6	5
		PT	1			2	3	4		
3	2020-2019	FT	29	7	12	15	63	13	18	10
		PT	1			7	8	12		
4	2019-2018	FT	12	17	9	26	64	10	20	3
		PT		1		6	7	5		
		PT				4	4	38		

*FT- full time; PT- part time

Contact Information

Kalyan Mondal, PhD, Deputy Director
mondal@fdu.edu

Back to Top

Electrical Engineering BSEE, Computer Engineering MS 4+1 Program

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 degree program that allows qualified students to obtain a Bachelor of Science (BS) in Electrical Engineering with a pathway to a Master of Science (MS) in computer engineering. This 4 Plus 1 program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

Students must have achieved a cumulative grade point ratio (CGPR) of at least 2.75. A minimum of 121 credits is required for the BS in Electrical Engineering. In addition, for degree completion, the BS in Electrical Engineering degree requires a minimum CGPR of 2.00, while the MS in computer engineering degree requires a minimum CGPR of 2.75.

Degree Plan

1st Semester (15 credits)

- WRIT1002   Composition I: Rhetoric & Inquiry
- ENGR1301 Engineering Practices, Graphics and Design
- MATH1201 Calculus I
- PHYS2201 Physics Laboratory I
- PHYS2203 University Physics I
- UNIV1001 Transitioning to University Life

2nd Semester (18 credits)

- WRIT1003   Composition II: Research & Argument
- ENGR1204 Programming Languages in Engineering
- ENGR2286 Digital System Design

- [MATH2202](#) Calculus II
- [PHYS2202](#) Physics Laboratory II
- [PHYS2204](#) University Physics II
- [UNIV1002](#) Preparing for Professional Life

3rd Semester (15 credits)

- [EENG2221](#) Signals and Systems I
- [ENGR2287](#) Microprocessor System Design I
- [ENGR3200](#) Adv Eng'g Programming
- [MATH2210](#) Differential Equations
- [UNIV2001](#) Cross-cultural Perspectives

4th Semester (15 credits)

- [EENG2222](#) Signals and Systems II
- [ENGR2210](#) Technical Communications
- [EENG3288](#) Microprocessor System Design II
- [ENGR4221](#) Engineering Statistics and Reliability
- [UNIV2002](#) Global Issues

5th Semester (12 credits)

- [EENG3223](#) Linear Systems
- [EENG3265](#) Electronic I
- [EENG4375](#) Electric Energy Conversion
- [MATH2203](#) Calculus III

6th Semester (16 credits)

- [CHEM1201](#) General Chemistry I
- [CHEM1203](#) General Chemistry Laboratory I
- [EENG3224](#) Digital Signal Processing
- [EENG3266](#) Electronic II
- [ENGR3341](#) Advanced Engineering Mathematics
- Ethical & Moral Analysis

- ENGR3000 Modern Technologies

7th Semester (16 credits)

- CSCI2234 Data Structures and Algorithms
- EENG3244 Electromagnetic Fields and Waves
- EENG3267 Electronics III
- EENG4260 Prep for EE Project
- EENG4342 Data Communications and Computer Networks
- EENG7725 Automatic Control Systems I

8th Semester (14 credits)

- EENG4341 Communication Systems
- ENGR4210 Mgrl/Engineering Eco Analysis
- EENG4268 Electrical Engineering Project
- EENG7701 Logic Design
- CSCI6603 Computer Architecture

A minimum of 121 credits is required for the BSEE degree, and a minimum of 142 credits for the combined BSEE/MSCE degrees.

Professional Accreditation

The BS Electrical Engineering program is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org.

Electrical Engineering BSEE, Electrical Engineering MSEE 4+1 Program

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 degree program that allows qualified students to obtain a Bachelor of Science in Electrical Engineering (BSEE) with a pathway to the Master of Science in Electrical Engineering (MSEE) degree. This 4 Plus 1 program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey. The BS in Electrical Engineering program is accredited by the Engineering Accreditation Commission of ABET.

A minimum of 121 credits is required for the BSEE degree. In addition, for degree completion, the BSEE degree requires a minimum CGPR of 2.00 and the MSEE requires a minimum CGPR of 2.75.

Degree Plan

1st Semester (15 credits)

- [WRIT1002](#) Composition I: Rhetoric and Inquiry
- [ENGR1301](#) Engineering Practices, Graphics and Design
- [MATH1201](#) Calculus I
- [PHYS2201](#) Physics Laboratory I
- [PHYS2203](#) University Physics I
- [UNIV1001](#) Transitioning to University Life

2nd Semester (18 credits)

- [WRIT1003](#) Composition II: Research and Argument
- [ENGR1204](#) Programming Languages in Engineering
- [ENGR2286](#) Digital System Design
- [MATH2202](#) Calculus II
- [PHYS2202](#) Physics Laboratory II
- [PHYS2204](#) University Physics II
- [UNIV1002](#) Preparing for Professional Life

3rd Semester (15 credits)

- EENG2221 Signals and Systems I
- ENGR2287 Microprocessor System Design I
- ENGR3200 Adv Eng'g Programming
- MATH2210 Differential Equations
- UNIV2001 Cross-cultural Perspectives

4th Semester (15 credits)

- EENG2222 Signals and Systems II
- ENGR2210 Technical Communications
- EENG3288 Microprocessor System Design II
- ENGR4221 Engineering Statistics and Reliability
- UNIV2002 Global Issues

5th Semester (12 credits)

- EENG3223 Linear Systems
- EENG3265 Electronics I
- EENG4375 Electric Energy Conversion
- MATH2203 Calculus III

6th Semester (16 credits)

- CHEM1201 General Chemistry I
- CHEM1203 General Chemistry Laboratory I
- EENG3266 Electronics II
- ENGR3341 Advanced Engineering Mathematics
- EENG6633 Digital Signal Processing
- ENGR3000 Modern Technologies

7th Semester (16 credits)

- CSCI2234 Data Structures and Algorithms
- EENG3244 Electromagnetic Fields and Waves

- [EENG3267](#) Electronics III
- [EENG4260](#) Prep for EE Project
- [EENG4342](#) Data Communications and Computer Networks
- [EENG7725](#) Automatic Control Systems

8th Semester (14 credits)

- [ENGR4210](#) Managerial and Engineering Economic Analysis
- [EENG4341](#) Communication Systems
- [EENG4268](#) Electrical Engineering Project
- [EENG7701](#) Logic Design
- Technical Elective
- Technical Elective

Technical Electives: Six credits must be selected from the Technical Electives List for the Engineering Curriculum, copies of which can be obtained through the Gildart Haase School of Computer Sciences and Engineering. Choices must be approved by the GHSCSE Director or their designee.

A minimum of 121 credits is required for the BSEE degree and a minimum of 142 credits is required for the combined BSEE/MSEE degrees

Professional Accreditation

The BS Electrical Engineering program is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org.

[Back to Top](#)

Electrical Engineering Technology BSEET

The Bachelor of Science in Electrical Engineering Technology (BSEET) program educates and trains students for industrial positions requiring a sophisticated, applied-technical orientation in designing and building electrical and electronic devices, systems and processes. The curriculum consists of an integrated sequence of undergraduate courses emphasizing the application of engineering and scientific knowledge, methods, technology and management and technical skills appropriate to the electrical engineering technology discipline. The program graduates are capable of solving design and applied-engineering problems, as well as performing managerial, business and sales functions. The program graduates find employment in such areas as computer systems and networks, electronics, telecommunications, power generation and distribution, controls, instrumentation and automation. Job responsibilities would include design, development, liaison, cost estimation, supervision, installation, testing, maintenance, services or sales. The electrical engineering technology profession has substantial career opportunities, excellent average starting salary, very good median long-term salary, robust job growth and great career fulfillment. The demand for the program graduates will further increase when the $1-trillion infrastructure bill in U.S. Congress is passed and implemented over the next eight years.

The program is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) at the Metropolitan Campus, Teaneck, New Jersey. The BS in Electrical Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET.

The school also offers an electrical engineering technology minor (for non-electrical engineering technology majors and non-electrical engineering majors).

The faculty members maintain excellent communication with the industry and encourage students to gain industrial experience through cooperative education. Laboratory and industry-oriented project assignments complement the lectures and recitations throughout the program to provide students with these learning opportunities that are crucial to their success in the workplace. Students work in many state-of-the-art laboratories. A capstone project based on an approved written proposal is required in the eighth semester for all students

Professional Accreditation

The BS in Electrical Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, https://www.abet.org.

Educational Objectives

The educational objectives of the BS in Electrical Engineering Technology program define the career and professional accomplishments that the graduates are being prepared to achieve three to four years after graduation. The program will produce graduates who:

1. Enter into and advance their careers in the analysis, design, development, application, implementation, building, manufacturing, installation, testing, operation and/or maintenance of electrical and electronics systems, including those used in control, instrumentation, communications, computer or power.
2. Continue their education to obtain advanced degrees, licensures or certifications.
3. Continue to conduct themselves as both responsible professionals and global citizens who are aware of and who understand ethical issues and societal needs and problems.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of the program constituencies, which include students, alumni, employers, faculty, and the Industrial Advisory Board.

Student Outcomes

Each electrical engineering technology graduate will demonstrate the following attributes and achievements as required by the ETAC of ABET upon or before graduation:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and
5. An ability to function effectively as a member as well as a leader on technical teams.

Cooperative Education or Work Experience Option

Students in the BS in Electrical Engineering Technology program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives. The co-op experience provides students a real-world grounding, linking theory and practice, academic and industrial experiences, and college education and lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and professional contacts and allows them to experience career fields before graduation. Industry benefits from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Instead of undertaking cooperative education, students may earn up to 6 academic credits for appropriately documented industrial experience (Work Experience) counted toward their technical electives. Note that credits earned from industrial experience and/or cooperative education may not be substituted for any required course work and that they altogether may not exceed a total of six credits. Students must have successfully completed the course EGTG2210 Technical Communications before the application for "Work Experience" credits can be considered. The application form and directions for submission of necessary documents in support of the application may be obtained from the office of GHSCSE.

Degree Plan

The program requires the successful completion of 120 credits with a minimum cumulative grade point ratio of 2.00 as described below.

1st Semester (15 credits)

- ENGR1301 Engineering Practices, Graphics and Design (3 credits)
- MATH1107 Precalculus (4 credits)
- PHYS2101 General Physics I (3 credits)
- PHYS2201 Lab: Physics I (1 credit)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

2nd Semester (14 credits)

- EGTC1223 Introduction to CAD (2 credits)

- MATH1201 Calculus I (4 credits)
- PHYS2102 General Physics II (3 credits)
- PHYS2202 Lab: Physics II (1 credit)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

3rd Semester (17 credits)

- CHEM1201 General Chemistry I (3 credits)
- CHEM1203 General Chemistry Laboratory I (1 credit)
- EGTG2210 Technical Communications (3 credits)
- EGTG2215 Circuits I (3 credits)
- EGTG2221 Statics (3 credits)
- MATH2202 Calculus II (4 credits)

4th Semester (15 credits)

- EGTE2216 Circuits II (3 credits)
- EGTG2228 Strength of Materials (3 credits)
- EGTG2286 Digital System Design (3 credits)
- EGTG4221 Engineering Statistics and Reliability (3 credits)
- ENGR1204 Programming Languages in Engineering (3 credits)

5th Semester (15 credits)

- EENG4375 Electrical Energy Conversion (3 credits)
- EGTE2287 Microprocessor System Design I (3 credits)
- EGTG2265 Electronics I (3 credits)
- EGTG3211 Materials Technology I (3 credits)
- ENGR3200 Advanced Engineering Programming (3 credits)

6th Semester (15 credits)

- EGTE3266 Electronics II (3 credits)
- EGTE3288 Microprocessor System Design II (3 credits)
- EGTG3351 Applied Thermodynamics (3 credits)

- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- UNIV2001 Cross Cultural Perspectives (3 credits)

7th Semester (15 credits)

- EGTC4263 Project Management and Control I (3 credits)
- EGTE3267 Electronics III (3 credits)
- EGTE4342 Data Communication and Computer Networks (3 credits)
- EGTG4224 Process and Electro/Mechanical Control Systems Technology (3 credits)
- EGTG4269 Management and Engineering Economics (3 credits)

8th Semester (14 credits)

- EGTE4387 Electrical Technology Design Project (2 credits)
- EGTG4225 Industrial Automation (3 credits)
- UNIV2002 Global Issues (3 credits)
- Technical Electives (6 credits)

Technical Electives

The student must take 6 credits of technical electives, to be chosen from the following list:

- CHEM1202, CHEM1204 General Chemistry II Lecture (3 credits) and Laboratory (1 credit)
- EGTC3261 Estimating (3 credits)
- EGTE3049 Fiber optics Technology
- EGTE3051 Laser Technology (3 credits)
- EGTE4047 Optical Technology I (3 credits)
- EGTE4345 Microwave Technology (3 credits)
- EGTG3431 Dynamics (3 credits)
- EGTG4254 Fluid Mechanics (3 credits)
- EGTG4340 Manufacturing Systems (3 credits)
- EGTM2235 Manufacturing Process (3 credits)
- EGTM4040 Heating, Ventilation and Air Conditioning (3 credits)

- [EGTM4041](#) Heating, Ventilation, Air Conditioning and Refrigeration Controls (3 credits)
- [MENG3230](#) Computer Aided Design & Manufacture (3 credits)

Other technical electives may be taken with prior approval from the GHSCSE Director or their designee. Up to 6 credits for work experience or cooperative education experience but not both may be used in place of technical electives.

Up to 6 credits for work experience or co-op may be used in place of Technical Electives.

Electrical Engineering Technology Minor

(for Non-Electrical Engineering Technology and non-Electrical Engineering Majors)

The minor in electrical engineering technology consists of 15 credits and is available to qualified students. This minor provides students with a foundation in electrical engineering technology, and it can enhance their employment opportunities and career options. To take any course in the minor, a student must meet all prerequisites for that course.

Program Enrollment and Degree Data

The official fall term enrollment figures (head count) of the BS in Electrical Engineering Technology program for the last five academic years and the number of degrees conferred during each of those years.

Academic Year		Enrollment Year				Total	Degrees Awarded
		1st	2nd	3rd	4th		
2018 -2019	FT	4	3	1	1	9	Not yet available
	PT	1		2		3	
2017 -2018	FT	1	1	1		3	0
	PT	1		1		2	
2016 -2017	FT	3	2	2	3	10	2
	PT		1		1	2	
2015 -2016	FT	3	3	3	3	12	3

	PT				3	3	
2014-2015	FT	6	3	3	1	13	2
	PT						

FT- full time, PT- part time

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[Back to Top](#)

Entrepreneurship BS

Do you want to discover your entrepreneurial potential? Have you ever wanted to start a business, or know how companies launch new products? Look at Facebook, Airbnb, and other all successful companies. All these businesses have been started from a founder's or founders' ideas! FDU Entrepreneurship education will show you a path to become successful entrepreneurs for students who seek to discover their entrepreneurial potential within themselves and build a solid understanding of the journey from initial idea to a fully operating business. Also, FDU's entrepreneurship program will benefit those seeking careers in corporate enterprise as "intrapreneurs," identifying opportunities and participating in the large organization's innovation process.

FDU Entrepreneurship course offerings emphasize:

- Experiential learning that enables students to develop practical entrepreneurial skill-sets
- Global perspective that emphasizes innovation and long-term sustainable business practices
- Interactive lecture that engages the student in the learning process

- The use of team-based teaching and learning
- Real-world readiness by connecting with the resources and outreach programs.

It is our goal that FDU entrepreneurship major will:

- Discover entrepreneurial potential within students.
- Learn how to ideate and validate new business ideas using lean startup methods.
- Experience a journey from initial idea to an operating business.
- Grow as an entrepreneurial leader equipped with leadership, teamwork, and critical thinking abilities.
- Develop solid understanding in unique nature of entrepreneurial business (e.g., entrepreneurial finance, initial sales, new business pitch)
- Understand 'intrapreneurship' to identify opportunities and participate in the large organization's innovation process.

Featured Entrepreneurship Alumni

Many graduates from FDU entrepreneurship programs successfully launched their businesses and are thriving in a variety of industries. You can be one of them!

Career and Internship Opportunities

Our students intern and are employed by Ansell Healthcare / Reckitt Benckiser / Cushman & Wakefield / Soundboard Angel Fund / Red Clover / Synergy Events / Publicis / BrickHouse Security / Hollister / American Association of Colleges of Pharmacy (AACP) / Morgan Stanley / SoundBoard / Michael Kors / Disney / Aeropostale – NYC / Ann Taylor / TerraCycle / ADP / BASF / Anthropologie / USA Sports Group / Acosta / Wakefern Food Corp. / Flybar / City of Summit / Dallien Realty / Stonehall / Polestar Group / Kraus Marketing / Drive Action Digital / LC Equipment / Food Bank of NJ / Relax America / Financial Principles / Peformline and more.

Connections and Networking

The Silberman College of Business also organizes a yearly FDUPitch Competition. If you have been thinking of an idea, you can use your learned skills to make your pitch in the competition and compete for cash awards. The winner also will have the opportunity

to participate in the regional pitch competition, UPitch, where you will be competing with the students from other participating schools in NJ.

Throughout the entrepreneurship courses, you will have numerous opportunities to meet successful entrepreneurs through entrepreneur interviews, guest speaker sessions, and field assignments.

Requirements for the Degree

All students enrolled in the Bachelor of Science Degree program must complete the University and Business Core Curriculum in addition to the major requirements listed below. Any student interested in pursuing a minor in entrepreneurship should refer to the list of minors offered at the Silberman College of Business.

Entrepreneurship Major Requirements

The current degree program requires 21 credits of major specific courses listed below. Students with specific questions should contact their advisor on their home campus. Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Required Courses (five)

- ENTR3710 The Lean LaunchPad: From Idea to Launch
- ENTR4100 Financing in an Entrepreneurial Environment
- ENTR4600 Managing Growing Ventures
- MKTG3341 Professional Sales
- MGMT3620 Leadership and Personal Development or ENTR3941/ENTR4941 Internship in Entrepreneurial Studies

Elective Courses (select two)

Please note that elective courses are not offered every semester

- ENTR3101 Small Business Management
- ENTR3202 Family Business Management
- ENTR3300 E-Business for Entrepreneurs (online)
- ENTR3601 Women as Entrepreneurs (online)
- MGMT3400 Managing Sustainably in the Global Context

Environmental Studies BA

The Environmental Studies BA is based on a commitment to educating students and future global citizens about the complex intersections of the Earth's physical and biological processes with its myriad social and political systems. The twenty-first century is replete with complex environmental challenges, and building a sustainable future is an interdisciplinary project requiring structural changes and political organizing built on sound scientific evidence. FDU's Environmental Studies major ensures that our graduates are active participants in this global problem-solving endeavor.

FDU graduates with a BA in Environmental Studies will be able to:

- Demonstrate knowledge and understanding of the major concepts in environmental studies and important connections and tensions at the intersection of the social and natural sciences.
- Identify, retrieve, understand, and critically scrutinize relevant issues within the environmental studies literature—including scholarship in the sciences, social sciences, and humanities—and apply this understanding to novel problems and contexts.
- Demonstrate proficiency in communicating environmental studies concepts both verbally and in writing.
- Demonstrate knowledge of fundamental and current scientific and visualization techniques as applied in environmental studies.
- Apply the scientific method to generate hypotheses, collect data, design and conduct experiments, and analyze a broad range of environmental data.
- Develop and effectively use the critical thinking skills necessary to debate, deliberate, and challenge local, regional, national, and global climate policies and practices.

The Environmental Studies curriculum is designed to be flexible. It will provide every graduate the opportunity to build a strong common foundation across three disciplinary approaches: the sciences, the social sciences and humanities, and business. After building that base, students are encouraged to chart their own path through our course offerings. This adaptable structure accommodates students who want to work in a conservation lab just as easily as it meets the needs of those who want to do environmental policy work, work on community resource mapping, or focus on green technology development. Students who follow these diverse threads come back together in their senior year to work together on a capstone project.

Internships and Fieldwork

Taking advantage of the myriad professional and scholarly opportunities in New Jersey and the greater New York City metropolitan region, students graduating with a degree in Environmental Studies must compete either an approved internship or fieldwork/research apprenticeship. Given the growing centrality of climate-related issues in governance and business, these internship/fieldwork requirements will help students make vital connections and market themselves in a tight and competitive labor market.

Florham Campus

Major Requirements (40-49 credits) (2.0 GPA Required)

Required Courses (16 Credits)

- [BIOL1070](#)/[BIOL1071](#) Ecosystems & Environmental Sci. (4)
- [BIOL1180](#) Climate Change Biology (3)
- [GEOG2700](#) Environmental Geography (3)
- [MGMT3400](#) Management & Sustainability in Global Context
- [GEOG3001](#) Introduction to Geographic Info Systems (3)

Major Elective Courses (18-24 credits)

- Environmental Sciences (2 courses – one with lab, 6-8 credits)
- Culture and Humanities (3-6 credits)
- Social Sciences & Policy (3-6 credits)
- Methods Course (3 credits)

Upper-Level Requirements (6-9 credits)

- [ENVS3000](#) Fieldwork-based Research Assistantship (3)
- [ENVS3999](#) Environmental Studies Internship (0-3)
- [ENVS4001](#) Senior Research Seminar (3)

A minimum of 120 credits is required for graduation. Six credits from the minor may be applied toward the General Education requirements.

Metropolitan Campus

Major Requirements (40-49 credits)

Required Major Courses (16 credits)

- [BIOL1105](#)/[BIOL1115](#) The Human Environment (3) **or**
- [ENVR1001](#)/[ENVR1002](#) Intro to Environmental Sci, (3) **or**
- [BIOL4400](#) Selected Studies in the Environment (3)
- [ENVR2111](#)/[ENVR2112](#) Oceanography (4)
- [GEOG2700](#) Environmental Geography (3)
- [MGMT3400](#) Mgmt. & Sustain. In the Environment (3)
- [GEOG3001](#) Introduction to Geographic Info Systems (3)

Major Elective Courses (18-24 credits)

- Environmental Sciences (2 courses – one with lab, 6-8 credits)
- Culture and Humanities (3-6 credits)
- Social Sciences & Policy (3-6 credits)
- Methods Course (3 credits)

Upper-Level Requirements (6-9 credits)

- [ENVS3000](#) Fieldwork-based Research Assistantship (3)
- [ENVS3999](#) Environmental Studies Internship (0-3)
- [ENVS4001](#) Senior Research Seminar (3)

A minimum of 120 credits is required for graduation. Six credits from the minor may be applied toward the General Education requirements.

Career Outcomes

Graduates with a degree in Environmental Studies from FDU will be well-placed for professional futures employment in the following fields:

- Consultancies
- Data Analysis
- Education
- Environmental Think Tanks
- Green Technology Companies
- Journalism
- Legal and Policy Research
- Lobbying and Advocacy
- Management
- Natural Resources and Environmental Conservation
- Private Research Laboratories

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Film and Animation BA (animation concentrations)

Our Mission and Vision

The goal of the Animation program is to help students reach their creative potential through theoretical and hands-on practice. More importantly, the FDU Animation program challenges students to imagine bigger and engage in creative risk-taking under the direction of dedicated faculty and industry mentors. The world of animation beckons anyone who is interested in creating moving imagery for a broad variety of purposes and without limitations.

About the Degrees

Our undergraduate Animation program offers **three concentrations:** 3D Animation, 2D Animation, Video Game Animation. Upon entry, animation majors select one of these concentrations to be their area of focus. As they work their way through the curriculum students have the option to switch concentrations, should they decide to do so. Anyone interested in doing double concentrations should meet with the Program Director to determine if that is possible on an individual basis.

In addition to the credits required for each concentration shown below, students must fulfill the college general education requirements.

Student Learning Objectives

Students in the Animation Majors will be able to:

1. Develop and compose written conceptual materials effectively.
2. Convey information and ideas through visual imagery proficiently.
3. Engage actively in verbal critiques and discussions.
4. Create high-quality 2D and 3D character animations.

Industrial Application of Skills and Competencies:

Graduates of the program will be prepared to:

1. Utilize the principles of animation language as applied in the video game industry.
2. Write detailed character biographies, video game design proposals, treatments, and storylines effectively.
3. Apply animation knowledge specifically to the context of the video game industry.
4. Present animation and video game concepts, principles, and practices clearly in oral presentations.

Potential Career Paths*

The animation and video game industry is experiencing higher than average growth between 8% and 16% annually.

- Animators
- Special Effects Artists
- Video Game Designers
- Web Developer
- Digital Designer

*Statistics and information compiled by the United States Bureau of Labor Statistics

Special Admissions Instructions:

Undergraduate program applicants are not required to submit portfolios as part of the admissions process. At the undergraduate level, the university admits students based on the criteria set by the admissions department. However, if you have a portfolio, it is recommended that you submit it for review as it may strengthen your application.

Degree Requirements

Each degree and concentration below offer a different path for your learning. Please review the requirements and see what your journey might look like.

3D Animation Concentration

Theory and Production (30 Credits)

- [ANIM1500](#) Storyboarding
- [ANIM1750](#) Motion Graphics with After Effects

- [ANIM1850](#) 3D Computer Modeling
- [ANIM2270](#) ZBrush Digital Sculpting
- [ANIM2500](#) 3D Computer Animation
- [ANIM3330](#) 3D Environment Modeling
- [ANIM3331](#) Logo and Product Animation
- [ANIM3341](#) Character Animation using CAT
- [ANIM4500](#) Thesis I
- [ANIM4600](#) Thesis II

Major Electives (12-15 Credits)

- 4-5 ANIM1000-4000 Level Courses

Cognates (6 Credits)

- [CGD1313](#) Creative Imagery with Photoshop
- [SOAC4001](#) Professional Practice: Animation

2D Animation Concentration

Required Theory and Production (27 Credits)

- [ANIM1300](#) Writing for Animation
- [ANIM1400](#) Character Design
- [ANIM1500](#) Storyboarding
- [ANIM1750](#) Motion Graphics with After Effects
- [ANIM1501](#) Fundamentals of Animation Principles
- [ANIM1800](#) Vector Animation with Animate CC
- [ANIM2100](#) Tradigital Animation
- [ANIM4500](#) Thesis I
- [ANIM4600](#) Thesis II

Major Electives (15-18 Credits)

- 5-6 ANIM1000-4000 Level Courses

Cognates (15 Credits)

- [ART1201](#) Drawing I
- [CGD1313](#) Creative Imagery with Photoshop
- [CGD1314](#) Illustrator Graphics & Design
- [SOAC4001](#) Professional Practice: Animation

Select 1:

- [ART1202](#) Drawing II
- [ART3302](#) Life Drawing
- [ART1250](#) Art of the Graphic Novel

Video Game Animation Concentration

Theory and Production (30 Credits)

- [ANIM1650](#) Game Design
- [ANIM2240](#) Low Poly 3D Modeling
- [ANIM2270](#) ZBrush Digital Sculpting
- [ANIM2500](#) 3D Computer Animation
- [ANIM3330](#) 3D Environment Modeling
- [ANIM3341](#) Character Animation using CAT
- [ANIM3350](#) 3D Game Creation using Unreal
- [ANIM3450](#) 3D Game Creation using Unity
- [ANIM4500](#) Thesis I
- [ANIM4600](#) Thesis II

Major Electives (12-15 Credits)

- 4-5 ANIM1000-4000 Level Courses

Cognates (9 Credits)

- [ART1201](#) Drawing I
- [CGD1313](#) Creative Imagery with Photoshop
- [SOAC4001](#) Professional Practice: Animation

Other Animation Electives

- [ANIM1450](#) Drawing for Animation

- [ANIM2243](#) Advanced After Effects
- [ANIM2245](#) 3D Character Modeling
- [ANIM2280](#) 3D Printing
- [ANIM2285](#) 3D Asset Creation for Video Games
- [ANIM2300](#) Texturing for 3D Production
- [ANIM3000](#) Fundamentals of Animation II
- [ANIM3100](#) 2D animation with OpenToonz
- [ANIM3225](#) Vector Animation II
- [ANIM3250](#) 3D Particle Animation and Effects
- [ANIM3343](#) Advanced Character Animation
- [ANIM3345](#) Custom 3D Character Rigging & Animation
- [ANIM3420](#) 2D animation with Toon Boom
- [ANIM4100](#) Design & Development of Video Games
- [ANIM4422](#) Internship in Animation I
- [ANIM4423](#) Internship in Animation II
- [ANIM4800](#) Independent Study in Animation
- [ANIM4900](#) Faculty/Student Research
- [ANIM4901](#) Faculty/Student Research

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Request login information to our cloud to upload your portfolio.
Submit Portfolio

Film and Animation BA (film concentrations)

About the Program

The Film Major gives students a full overview of all the aspects of creating a moving image story as a movie, video, internet content, or TV episode. Students begin shooting with HD cameras their first year while taking both film history and film appreciation courses. The course of study continues with screenwriting, advance production, and post-production courses but then allows students to further explore their particular interests with a wide range of major electives. Internships and independent studies are also available.

Potential Career Paths

According to the U.S. Bureau of Labor Statistics, graduates with a BA in Film can pursue a variety of career paths including:

- Directing
- Cinematography
- Post-production
- Screen Writing
- Art Directing
- Media Research
- Media and Film Criticism

Program Learning Outcomes

- Technical Film Production: Graduates will be able to perform the technical skills required in film production and post-production environments.
- Film History: Graduates will be able to integrate historical and cultural knowledge with film production.
- Film Language: Graduates will be able to utilize the concepts of film language in their professional life.
- Screenwriting: Graduates will be able to apply effective screenwriting techniques and formatting skills.
- Knowledge of Business of TV/Film Industry: Graduates will be able to apply knowledge of business and industry practices to the development of works in television and film media.
- Present Orally: Graduates will be able to present film concepts, principles, and practices in oral form.

Major Requirements

The film major and all concentrations share 27 credits of FILM requirements, which means that students can commit to one of the concentrations as late as their junior year. In the last of the required courses, FILM4312, each student will work in the area of their concentration.

- FILM3350 Twentieth Century Cinema
- FILM1501 Cinematic Storytelling
- FILM1005 Filmmaking I: Basic Production
- FILM2208 Filmmaking II: The Professional Crew
- FILM2250 Screenwriting I
- FILM3210 Postproduction I
- FILM3209 Filmmaking III: Mastering the Art and Craft of Film Production
- FILM4311 Producing and Directing the Thesis Film
- FILM4312 Producing and Directing the Thesis Film II

Electives in the Film Major (15 to 18 credits)

Note: Three credits in an internship may be used to fulfill elective credits.

- FILM courses
- CINE courses

Directing Concentration

Students in the film directing concentration focus on all the various aspects that a director must consider and incorporate into their storytelling process. Besides learning how to break down and visually approach a film project, directing students will study how to work with and direct actors, the pre-production process, the importance of telling a story visually, and recognizing how their work may fit into the larger picture of culture and society.

Directing students work their entire senior year on making their senior thesis films, which receive an exciting and widely attended public screening at a local movie theater!

Requirements for the Directing concentration (9 credits)

- [CINE2350](#) The American Film Director
- [FILM3363](#) Film Directing
- [THEA1110](#) Basic Acting for non-majors (Any FILM survey or auteur course substitutes for this course)

Electives in the Directing concentration (6 to 9 credits)

Note: Three credits in an internship may be used to fulfill elective credits.

- FILM courses
- CINE courses

Editing & Post Production Concentration

The Editing and Post Production Concentration is a rigorous course of study for students who have a special interest in the art and science of editing the moving image. Whether working in Avid, Premiere, Final Cut or any other non-linear editing system, the concepts, concerns, and artistic approaches to achieving the final edit remain the same. The Core Major Requirements are the same as the standard Film Major, thus students may elect this concentration as late as their junior year. The Editing Concentration requirements, which are a mix of cross-discipline courses, educate students in the craft and practice of post-production, enabling them to work as editors on senior student film projects to build a reel and help start them on a future career working professionally in the post-production industry.

Requirements for the Editing & Post Production concentration (9 credits)

- [ANIM1750](#) Motion Graphics with After Effects

- [FILM3212](#) Postproduction II
- [FILM2214](#) Audio for Film and Video
- [FILM4465](#) Client Driven Production (as post-production) or
- [FILM3430](#) Reality TV Production (as post) or
- [FILM2255](#) TV News & Magazine production (as post)

Electives in the Editing & Post Production concentration (6 to 9 credits)

Note: Three credits in an internship may be used to fulfill elective credits.

- FILM courses
- CINE courses

Cinematography Concentration

The Cinematography Concentration at FDU is unique and one of the only ones offered in undergraduate programs. Our alumni work in the industry and have made our program highly regarded and recognized in the profession.

The Cinematography Concentration is a rigorous course of study for students who have a special interest in the art and science of photographing the moving image. Whether the capture medium is film, video or a new digital process, the concepts, concerns, and artistic approaches to achieving the right visual imagery are the same. The Core Major Requirements are the same as the standard Film Major, thus students may elect this concentration as late as their junior year. The Cinematography Concentration requirements, which are a mix of cross-discipline courses, educate students in the craft and practice of cinematography, enabling them to work as the Director of Photography on senior thesis film projects to build a camera reel and help start them on a future career working professionally in the camera and lighting industry.

Requirements for the Cinematography concentration (9 credits)

- [FILM3211](#) Cinematography: Lighting
- [FILM3214](#) Cinematography: Camerawork
- [FILM3430](#) Reality TV Production (as camera) or
- [FILM2255](#) TV News & Magazine production(as camera) or
- [FILM4465](#) Corporate Video Production I (as camera/lighting)
- [ART1191](#) Photography I

Electives in the Cinematography concentration (6 credits)

Note: Three credits in an internship may be used to fulfill elective credits.

- FILM courses
- CINE courses

Producing Concentration

The Producing concentration allows students to pursue the organizational and business skills required of the producer in the film industry. Available courses within the discipline now include the study of Producing for Film, Television, and Streaming Content, as well as Distribution in all media formats. The Producing concentration allows students to incorporate course work from Business and Communications, creating an interdisciplinary approach to those seeking to pursue this area of study.

Requirements for the Producing Concentration (6 credits)

- [FILM3426](#) Producing Movies
- [FILM3427](#) Distributing Movies and Media

Electives in the Producing Concentration (6 credits)

Note: Three credits in an internship may be used to fulfill elective credits.

- FILM courses
- CINE courses

Academic Advisor

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- M-MS1-02

Contact Information
Contact

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libovh@fdu.edu

Film and Animation BA, Animation MA: combined degree

Our Mission

Our combined BA-MA in Animation degree offers FDU students the option to **complete both the bachelor's and master's degrees** in Animation. This degree is designed for animation students seeking additional training at the graduate level that goes beyond their undergraduate education.

About the Degree

During the first three years, students in the combined BA-MA program take undergraduate classes that are required of students for the BA in Film and Animation with a concentration in 3D Animation, 2D Animation, or Video Game Animation. In the junior year of undergraduate studies, students in this program are required to submit a portfolio of their best work for review. In the senior year of undergraduate studies, students in this program take 12 graduate-level credits (**included in their undergraduate tuition**) as well as complete the remainder of their undergraduate courses.

Admissions Process

Students may apply for the combined degree at any time from their entry into the BA in Film and Animation program up until the beginning of the senior year of their undergraduate studies.

Transferring Credits

To transfer graduate credits completed in the undergraduate senior year into the MA program, a grade of B or better is required. Those credits will be applied to BOTH the undergraduate degree and the graduate degree.

Our Degrees

Each degree and concentration offers an opportunity to develop skills that will help you pursue your artistic and professional goals.

Student Learning Objectives

Students in the Animation Majors will be able to:

1. Develop and compose written conceptual materials effectively.
2. Convey information and ideas through visual imagery proficiently.
3. Engage actively in verbal critiques and discussions.
4. Create high-quality 2D and 3D character animations.

Industrial Application of Skills and Competencies

Graduates of the program will be prepared to:

1. Utilize the principles of animation language as applied in the video game industry.
2. Write detailed character biographies, video game design proposals, treatments, and storylines effectively.
3. Apply animation knowledge specifically to the context of the video game industry.
4. Present animation and video game concepts, principles, and practices clearly in oral presentations.

Potential Career Paths*

The animation and video game industry is experiencing higher than average growth between 8% and 16% annually.

- Animators

- Special Effects Artists
- Video Game Designers
- Web Developer
- Digital Designer

*Statistics and information compiled by the United States Bureau of Labor Statistics

BA: 3D Animation Concentration (Including 12 Dual Credits)

Theory and Production (30 Credits)

- [ANIM1500](#) Storyboarding
- [ANIM1750](#) Motion Graphics with After Effects
- [ANIM1850](#) 3D Computer Modeling
- [ANIM2270](#) ZBrush Digital Sculpting
- [ANIM2500](#) 3D Computer Animation
- [ANIM3330](#) 3D Environment Modeling
- [ANIM3331](#) Logo and Product Animation
- [ANIM3341](#) Character Animation using CAT
- [ANIM4500](#) Thesis I
- [ANIM4600](#) Thesis II

Major Electives (12-15 Credits)

- 4-5 ANIM1000-4000 Level Courses

Cognates (6 Credits)

- [CGD1313](#) Creative Imagery with Photoshop
- [SOAC4001](#) Professional Practice: Animation

Dual Courses Applied to BA and MA Degree (12 credits)

- 4 [ANIM5000](#) or Higher Level Courses

MA: 3D Character Animation Concentration (Including 12 Dual Credits)

Required Courses (18 Credits)

- [ANIM5300](#) Storytelling
- [ANIM5400](#) Character Design
- [ANIM6100](#) Digital Sculpting
- [ANIM6150](#) 3D Character Texturing
- [ANIM6300](#) 3D Character Animation
- [ANIM7000](#) Advanced 3D Character Animation

Major Electives (6 Credits)

- 2 [ANIM5000](#) or Higher Level Courses

BA: 3D Animation Concentration (Including 12 Dual Credits)

Theory and Production (30 Credits)

- [ANIM1500](#) Storyboarding
- [ANIM1750](#) Motion Graphics with After Effects
- [ANIM1850](#) 3D Computer Modeling
- [ANIM2270](#) ZBrush Digital Sculpting
- [ANIM2500](#) 3D Computer Animation
- [ANIM3330](#) 3D Environment Modeling
- [ANIM3331](#) Logo and Product Animation
- [ANIM3341](#) Character Animation using CAT
- [ANIM4500](#) Thesis I
- [ANIM4600](#) Thesis II

Major Electives (12-15 Credits)

- 4-5 ANIM1000-4000 Level Courses

Cognates (6 Credits)

- [CGD1313](#) Creative Imagery with Photoshop
- [SOAC4001](#) Professional Practice: Animation

Dual Courses Applied to BA and MA Degree (12 credits)

- 4 [ANIM5000](#) or Higher Level Courses

MA: Visual Effects Concentration (Including 12 Dual Credits)

Required Courses (18 Credits)

- ANIM5300 Storytelling
- ANIM5500 Digital 2D Animation
- ANIM5600 3D Layers in After Effects
- ANIM5700 Dynamic Effects and Particle Systems in After Effects
- ANIM5800 Compositing in After Effects
- ANIM6350 3D Particle Systems and Effects

Major Electives (6 Credits)

- 2 ANIM5000 or Higher Level Courses

BA: Video Game Animation Concentration

(Including 12 Dual Credits)

Theory and Production (30 Credits)

- ANIM1650 Game Design
- ANIM2240 Low Poly 3D Modeling
- ANIM2270 ZBrush Digital Sculpting
- ANIM2500 3D Computer Animation
- ANIM3330 3D Environment Modeling
- ANIM3341 Character Animation using CAT
- ANIM3350 3D Game Creation using Unreal
- ANIM3450 3D Game Creation using Unity
- ANIM4500 Senior Thesis I
- ANIM4600 Senior Thesis II

Major Electives (12-15 Credits)

- 4-5 ANIM1000-4000 Level Courses

Cognates (9 Credits)

- ART1201 Drawing I

- [CGD1313](#) Creative Imagery with Photoshop
- [SOAC4001](#) Professional Practice: Animation

Dual Courses Applied to BA and MA Degree (12 credits)

- 4 [ANIM5000](#) or Higher Level Courses

MA: Video Game Concentration (Including 12 Dual Credits)

Required Courses (18 Credits)

- [ANIM5400](#) Character Design
- [ANIM5500](#) Digital 2D Animation
- [ANIM6100](#) Digital Sculpting
- [ANIM6400](#) 3D Animation for Games
- [ANIM6600](#) Game Creation
- [ANIM7500](#) Advanced Game Creation

Major Electives (6 Credits)

- 2 [ANIM5000](#) or Higher Level Courses

Other Animation Electives

- [ANIM1450](#) Drawing for Animation
- [ANIM2243](#) Advanced After Effects
- [ANIM2245](#) 3D Character Modeling
- [ANIM2280](#) 3D Printing
- [ANIM2285](#) 3D Asset Creation for Video Games
- [ANIM2300](#) Texturing for 3D Production
- [ANIM3000](#) Fundamentals of Animation II
- [ANIM3100](#) 2D animation with OpenToonz
- [ANIM3225](#) Vector Animation II
- [ANIM3250](#) 3D Particle Animation and Effects
- [ANIM3343](#) Advanced Character Animation
- [ANIM3345](#) Custom 3D Character Rigging & Animation
- [ANIM3420](#) 2D animation with Toon Boom

- [ANIM4100](#) Design & Development of Video Games
- [ANIM4422](#) Internship in Animation I
- [ANIM4423](#) Internship in Animation II
- [ANIM4800](#) Independent Study in Animation
- [ANIM4900](#) Faculty/Student Research
- [ANIM4901](#) Faculty/Student Research
- [ANIM5100](#) History of Animation & Special Effects
- [ANIM5200](#) History of Video Games
- [ANIM5650](#) 3D Modeling
- [ANIM5750](#) 3D Character Modeling
- [ANIM5850](#) Advanced Digital 2D Animation
- [ANIM5900](#) Expressions and Scripting in After Effects
- [ANIM6200](#) Animation with Houdini
- [ANIM6700](#) Animating Fluids
- [ANIM6805](#) Motion Tracking
- [ANIM6900](#) Digital 2D Game Creation
- [ANIM7100](#) 3D Character Animation – Weight, Overlap and Follow through
- [ANIM7200](#) Character Animation – Emotion and Personality
- [ANIM7250](#) Lip-Syncing
- [ANIM7300](#) Animation with Hair/Fur
- [ANIM7400](#) Animation with Cloth
- [ANIM7425](#) Motion Capture
- [ANIM7525](#) Virtual Reality
- [ANIM7550](#) Internship I
- [ANIM7600](#) Video Game Team Project
- [ANIM7700](#) Faculty/Student Research I
- [ANIM7775](#) Internship II
- [ANIM7805](#) Faculty/Student Research II
- [ANIM7900](#) Animation Career Preparation

Academic Advisor

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Film and Animation BA, Animation MFA: combined degree

Our Mission

The MFA degree is the highest degree available in Animation. Our combined BA-MFA in Animation degree offers FDU students the option to **complete both the Bachelor and Master degrees in Animation**.

This program is designed for talented, highly motivated students seeking specialized training at the terminal degree level in addition to their undergraduate education in animation. The curriculum culminates in a major Thesis work, incorporates motion capture and virtual reality technology, and also promotes career readiness. Students

may apply to this program at any time from their entry into the BA in Film and Animation program up until the beginning of the senior year of their undergraduate studies.

About the Degree

During the first three years, students in the combined BA-MFA program take undergraduate classes that are required of students in the BA in Film and Animation program (3D Animation Concentration, 2D Animation Concentration, or Video Game Animation Concentration). In the junior year of undergraduate studies, students in this program are required to submit a portfolio of their best work for review. In the senior year of undergraduate studies, students in this program take 12 Master's level credits (**included in their undergraduate tuition**) as well as complete the remainder of their undergraduate courses.

Transferring Credits

To transfer graduate credits completed in the undergraduate senior year into the MFA program, a grade of B or better is required. Those credits will be applied to the undergraduate degree as well as the graduate degree.

Our Degrees

Each degree and concentration offers an opportunity to develop skills that will help you pursue your artistic and professional goals.

Student Learning Objectives

Students in the Animation Majors will be able to:

1. Develop and compose written conceptual materials effectively.
2. Convey information and ideas through visual imagery proficiently.
3. Engage actively in verbal critiques and discussions.
4. Create high-quality 2D and 3D character animations.

Industrial Application of Skills and Competencies:

Graduates of the program will be prepared to:

1. Utilize the principles of animation language as applied in the video game industry.

2. Write detailed character biographies, video game design proposals, treatments, and storylines effectively.
3. Apply animation knowledge specifically to the context of the video game industry.
4. Present animation and video game concepts, principles, and practices clearly in oral presentations.

Potential Career Paths*

The animation and video game industry is experiencing higher than average growth between 8% and 16% annually.

- Animators
- Special Effects Artists
- Video Game Designers
- Web Developer
- Digital Designer

*Statistics and information compiled by the United States Bureau of Labor Statistics

BA: 3D Animation Concentration

(Including 12 Dual Credits)

Theory and Production (30 Credits)

- [ANIM1500](#) Storyboarding
- [ANIM1750](#) Motion Graphics with After Effects
- [ANIM1850](#) 3D Computer Modeling
- [ANIM2270](#) ZBrush Digital Sculpting
- [ANIM2500](#) 3D Computer Animation
- [ANIM3330](#) 3D Environment Modeling
- [ANIM3331](#) Logo and Product Animation
- [ANIM3341](#) Character Animation using CAT
- [ANIM4500](#) Thesis I
- [ANIM4600](#) Thesis II

Major Electives (12-15 Credits)

- 4-5 ANIM1000-4000 Level Courses

Cognates (6 Credits)

- [CGD1313](#) Creative Imagery with Photoshop
- [SOAC4001](#) Professional Practice: Animation

Dual Courses Applied to BA and MFA Degree (12 credits)

- 4 [ANIM5000](#) or Higher Level Courses

MFA: 3D Character Animation Concentration

(Including 12 Dual Credits)

Required Courses (36 Credits)

- [ANIM5300](#) Storytelling
- [ANIM5400](#) Character Design
- [ANIM6100](#) Digital Sculpting
- [ANIM6150](#) 3D Character Texturing
- [ANIM6300](#) 3D Character Animation
- [ANIM7000](#) Advanced 3D Character Animation
- [ANIM7250](#) Lip-Syncing
- [ANIM7425](#) Motion Capture
- [ANIM7650](#) Thesis I
- [ANIM7750](#) Thesis II
- [ANIM7850](#) Thesis III
- [ANIM7900](#) Animation Career Preparation

Major Electives (12 Credits)

- 4 [ANIM5000](#) or Higher Level Courses

BA: 3D Animation Concentration (Including 12 Dual Credits)

Theory and Production (30 Credits)

- [ANIM1500](#) Storyboarding

- [ANIM1750](#) Motion Graphics with After Effects
- [ANIM1850](#) 3D Computer Modeling
- [ANIM2270](#) ZBrush Digital Sculpting
- [ANIM2500](#) 3D Computer Animation
- [ANIM3330](#) 3D Environment Modeling
- [ANIM3331](#) Logo and Product Animation
- [ANIM3341](#) Character Animation using CAT
- [ANIM4500](#) Thesis I
- [ANIM4600](#) Thesis II

Major Electives (12-15 Credits)

- 4-5 ANIM1000-4000 Level Courses

Cognates (3 Credits)

- [CGD1313](#) Creative Imagery with Photoshop
- [SOAC4001](#) Professional Practice: Animation

Dual Courses Applied to BA and MFA Degree (12 credits)

- 4 [ANIM5000](#) or Higher Level Courses

MFA: Visual Effects Concentration (Including 12 Dual Credits)

Required Courses (36 Credits)

- [ANIM5300](#) Storytelling
- [ANIM5500](#) Digital 2D Animation
- [ANIM5600](#) 3D Layers in After Effects
- [ANIM5700](#) Dynamic Effects and Particle Systems in After Effects
- [ANIM5800](#) Compositing in After Effects
- [ANIM6350](#) 3D Particle Systems and Effects
- [ANIM6700](#) Animating Fluids
- [ANIM6805](#) Motion Tracking
- [ANIM7650](#) Thesis I
- [ANIM7750](#) Thesis II

- ANIM7850 Thesis III
- ANIM7900 Animation Career Preparation

Major Electives (12 Credits)

- 4 ANIM5000 or Higher Level Courses

BA: Video Game Animation Concentration

(Including 12 Dual Credits)

Theory and Production (30 Credits)

- ANIM1650 Game Design
- ANIM2240 Low Poly 3D Modeling
- ANIM2270 ZBrush Digital Sculpting
- ANIM2500 3D Computer Animation
- ANIM3330 3D Environment Modeling
- ANIM3341 Character Animation using CAT
- ANIM3350 3D Game Creation using Unreal
- ANIM3450 3D Game Creation using Unity
- ANIM4500 Thesis I
- ANIM4600 Thesis II

Major Electives (12-15 Credits)

- 4-5 ANIM1000-4000 Level Courses

Cognates (9 Credits)

- ART1201 Drawing I
- CGD1313 Creative Imagery with Photoshop
- SOAC4001 Professional Practice: Animation

Dual Courses Applied to BA and MFA Degree (12 credits)

- 4 ANIM5000 or Higher Level Courses

MFA: Video Game Concentration

(Including 12 Dual Credits)

Required Courses (36 Credits)

- [ANIM5400](#) Character Design
- [ANIM5500](#) Digital 2D Animation
- [ANIM6100](#) Digital Sculpting
- [ANIM6400](#) 3D Animation for Games
- [ANIM6600](#) Game Creation
- [ANIM7500](#) Advanced Game Creation
- [ANIM7525](#) Virtual Reality
- [ANIM7600](#) Video Game Team Project
- [ANIM7650](#) Thesis I
- [ANIM7750](#) Thesis II
- [ANIM7850](#) Thesis III
- [ANIM7900](#) Animation Career Preparation

Major Electives (12 Credits)

- 4 [ANIM5000](#) or Higher Level Courses

Other Animation Electives

- [ANIM1450](#) Drawing for Animation
- [ANIM2243](#) Advanced After Effects
- [ANIM2245](#) 3D Character Modeling
- [ANIM2280](#) 3D Printing
- [ANIM2285](#) 3D Asset Creation for Video Games
- [ANIM2300](#) Texturing for 3D Production
- [ANIM3000](#) Fundamentals of Animation II
- [ANIM3100](#) 2D animation with OpenToonz
- [ANIM3225](#) Vector Animation II
- [ANIM3250](#) 3D Particle Animation and Effects
- [ANIM3343](#) Advanced Character Animation
- [ANIM3345](#) Custom 3D Character Rigging & Animation
- [ANIM3420](#) 2D animation with Toon Boom

- [ANIM4100](#) Design & Development of Video Games
- [ANIM4422](#) Internship in Animation I
- [ANIM4423](#) Internship in Animation II
- [ANIM4800](#) Independent Study in Animation
- [ANIM4900](#) Faculty/Student Research
- [ANIM4901](#) Faculty/Student Research
- [ANIM5100](#) History of Animation & Special Effects
- [ANIM5200](#) History of Video Games
- [ANIM5650](#) 3D Modeling
- [ANIM5750](#) 3D Character Modeling
- [ANIM5850](#) Advanced Digital 2D Animation
- [ANIM5900](#) Expressions and Scripting in After Effects
- ANIM6200 Animation with Houdini
- [ANIM6900](#) Digital 2D Game Creation
- [ANIM7100](#) 3D Character Animation – Weight, Overlap and Follow through
- [ANIM7200](#) Character Animation – Emotion and Personality
- [ANIM7300](#) Animation with Hair/Fur
- [ANIM7400](#) Animation with Cloth
- [ANIM7550](#) Internship I
- [ANIM7700](#) Faculty/Student Research I
- [ANIM7775](#) Internship II
- [ANIM7805](#) Faculty/Student Research II

[Back to Top](#)

Finance BS

The finance major at Fairleigh Dickinson provides you with an understanding of financial analysis, financial management, and financial systems. This program is offered through Fairleigh Dickinson's Silberman College of Business at both the Florham Campus and Metropolitan Campus locations. The College holds prestigious accreditation by AACSB which recognizes the quality of its faculty, academic programs and resources. Less than a third of all U.S. business schools hold AACSB recognition, adding value to your undergraduate business degree from Fairleigh Dickinson University.

The BS in finance is affiliated with the CFA organization. Upon completion of the curriculum students are eligible to take the CFA level 1 exam. Scholarships are available for this licensing exam which enhances the student's ability to attain a position in the investment banking industry. The CFA is an internationally recognized license and designation. Earning in significantly enhances one's career path.

A second path in finance is approved by the Certified Financial Planner (CFP) Standards Board. Upon completion of the degree, students are eligible to take the CFP licensing exam. A CFP license enhances ones opportunities in the wealth management industry. Internships and Co-op opportunities are available for students in both of these finance areas.

Silberman College also maintains a Student Managed Investment Fund where investment decisions are made by student participants. Students in finance may participate in the Quinnipiac Game Challenge, the Bloomberg Trading Challenge and the CFA research challenge competitions. Silberman College maintains 24 Bloomberg terminals for student use on both the Madison and Florham campus. Students at all three campuses may participate in the student managed investment fund.

Degree Requirements

All students enrolled in the Bachelor of Science Degree program in Finance must complete the University and Business Core Curriculum. The two finance courses in the core are:

- [FIN3250](#) Principles of Financial Analysis
- [FIN3310](#) Intermediate Financial Analysis

Additional major requirements are listed below. Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Finance Major Requirements

Required courses (12 credits)

- [FIN4341](#) Financial Markets and Institutions
- [FIN4343](#) Securities and Investments
- [FIN4405](#) Analytical Methods in Finance

Electives (Select three)

- [FIN3330](#) Personal Financial Management
- [FIN3421](#) Sports Finance
- [FIN4498](#) Internship in Finance Studies
- [FIN4221](#) Capital Budgeting and Value Creation
- [FIN4150](#) Working Capital Management
- [FIN4351](#) Portfolio Management
- [FIN4350](#) Derivatives
- Economics or Accounting course with permission of Economics and Finance Department Chair

NOTE: Students with specific questions about the major requirements should contact the advisor on their home campus.

Financial Planning and Wealth Management Concentration

Required courses (16 credits)

- [FIN4340](#) Financial Markets and Institutions
- [WMA4350](#) Investment Planning
- [WMA3335](#) Personal Financial Management OR
- [FIN3330](#) Personal Financial Management
- [WMA4375](#) Risk Management and Insurance
- [WMA4265](#) Personal Tax Planning

Major electives (required)

- [WMA4267](#) Retirement Planning
- [WMA4370](#) Personal Estate & Gift Planning
- [WMA4380](#) Client Psychology in Financial Planning
- [WMA4390](#) Financial Planning Capstone

Optional

- [WMA3941](WMA3941) Wealth Management Internship OR
  [FIN4941](FIN4941), [FIN4499](FIN4499), ACCT3941, or ACCT4941

[WMA3335](WMA3335) must be taken before [WMA3941](WMA3941); [WMA3941](WMA3941) cannot be substituted for another WMA course without the permission of the Chairperson.

[Back to Top](#)

Fine Arts BA: Studio Arts

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About the Program

Imagine. That is where the journey of many artists starts, and here at FDU, you will have the space and support to explore all that your imagination has to offer. The Fine Arts BA allows students to explore new techniques and materials. This major helps students refine their creativity, critical thinking, and expression through various media and formats.

The hands-on component of the major is merely the beginning: students in this major have an opportunity to study the world of art history and how art helped to shape culture. Combined, the two facets of this major prepare students to practice their craft while understanding how trends and art revolutions developed over time.

Calling All Artists

The Fine Arts BA is designed to allow all artists to study with peers and world-renowned artists. Anyone who is curious about art, wants to gain more experience or formal training, and any art lover is welcome to apply to the program.

Program Learning Outcomes

Upon completion of this program, students will be able to:

- Technical Studio Art Production: Graduates will be able to perform the Studio Art skills required in the production of visual arts.
- Art History: Graduates will be able to integrate historical and cultural knowledge from Art History with Studio Art practice.
- Studio Art Language: Graduates will be able to utilize the concepts of visual language, research and development as applied to Studio Arts.
- Writing for Studio Arts: Graduates will be able to express ideas and concepts utilizing professional Fine Art language.
- Knowledge of Professional Practices in Studio Art: Graduates will be able to apply knowledge of professional Studio Art practices in the creation and exhibition of artworks.
- Present Orally: Graduates will be able to express visual art concepts, principles and practices in oral form.

Professional Competencies

As a result of engaging in this major, students will gain a broad range of skills and competencies in major areas of their lives:

Procedural

- Gaining a broad exposure to various media and art formats
- Perfecting artistic approaches and techniques

Communication

- Communicating visually and verbally
- Providing and reacting to feedback as well as critique

Critical Thinking

- Working through constraints and limitations
- Understanding and adapting large quantities of information

Habits of Mind

- Working under pressure and meeting deadlines

- Problem-solving and adapting strategies

Possible Career Paths

The world of arts careers is vast and ever-changing. The U.S. Bureau of Labor Statistics points to several possible career paths graduates of this degree can pursue:

- Artist/art director
- Designer/ graphic designer
- Interior design/fashion
- Editor/content creator
- Photographer
- Technical writer/creative writer

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About the Major

The BA in Fine Arts combines includes General Education Requirements (42 credits), Major Requirements (42-45 credits), Cognate Requirements (6 credits), and Major Electives (18-18 credits). Each part of the degree is designed to ensure that you gain a broad base of knowledge that you can fine-tune through gradual specialization in an area of your choosing.

Major Requirements (42-45 credits plus 6 cognate credits)

Studio Arts (27 credits)

- [ART1201](): Drawing I (3 credits)
- [ART1202](): Drawing II (3 credits)

- [ART1225](): Painting I (3 credits)
- [ART1231](): 2-Dimensional Design (3 credits)
- [ART1235](): Sculpture I (3 credits)
- [ART1315](): Ceramics I (3 credits)
- [ART2233](): 3-Dimensional Design (3 credits)
- [ART2236](): Introduction to Color (3 credits)
- [ART2316](): Ceramics II (3 credits) **OR**
  [ART2336](): Sculpture II (3 credits)
- [ART3237](): Junior Portfolio Preparation I (0 credit)
- [ART4371](): Senior Portfolio Preparation (0 credit)

Cognate Requirements – Art History (6 credits)

- [ARTH1205](): Art History: Prehistoric – Medieval (3 credits)
- [ARTH1206](): Art History: Renaissance – Today (3 credits)

Major Electives (15-18 credits)

It is suggested that electives be taken in studio arts and/or art history. *See your adviser for the updated elective list.*

- [ART1157](): Printmaking I
- [ART1169](): Watercolor Painting I
- [ART1191](): Photography I
- [ART1250](): Art of the Graphic Novel
- [ART1260](): Ceramic Character Sculpture
- [ART2060](): Advanced Character Sculpture
- [ART2061](): Animal Sculpture
- [ART2269](): Watercolor Painting II
- [ART2316](): Ceramics II (3 credits)
- [ART2319](): Drawing III (3 credits)
- [ART2320](): Drawing IV (3 credits)
- [ART2326](): Painting II (3 credits)
- [ART2336](): Sculpture II (3 credits)
- [ART3302](): Life Drawing (3 credits)
- [ART3307](): Ceramics III (3 credits)

- [ART3308](#): Ceramics IV (3 credits)
- [ART3327](#): Painting III (3 credits)
- [ART3328](#): Painting IV (3 credits)
- [ART3337](#): Life Sculpture (3 credits)
- [ART3352](#): Ceramics V (3 credits)
- [ART4422](#): Internship I (3 credits)
- [ART4423](#): Internship II (3 credits)
- [ARTH2218](#): 20th-Century Art (3 credits)
- [ARTH3217](#): 19th-Century Art (3 credits)
- [ARTH3219](#): Art in America (3 credits)
- [ARTH3423](#): Women Artists (3 credits)
- [ARTH3803](#): Modern Art in the New York Museums (3 credits)
- [ARTH4402](#): Museums of NY (3 credits)

Contact Information

Program Directors
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George Cochrane

[Back to Top](#)

General Science AS

The **Associate of Science (AS) in General Science** is a 61-credit undergraduate degree offered in-person at both FDU's Metropolitan Campus in Teaneck and Florham Campus in Madison. It is designed for students, including adult learners, with no prior academic background in the sciences, providing them with a solid foundation in

scientific education. In particular, the AS degree offers an innovative learning opportunity to students who have expressed an interest in pursuing studies in STEM at the associate degree level.

Program highlights

- Offered at 50% less than standard FDU tuition, with additional aid available to eligible students from the Office of Veterans Services
- A seamless pathway to progress into FDU's bachelor's degree program in the Natural Sciences (biology and chemistry)
- Additionally provides a pathway to other educational opportunities in the sciences, technology or the medical sciences
- Flexible course schedules held on weekday nights and Saturdays
- Courses taught by experienced Petrocelli College faculty and faculty from FDU's School of Natural Sciences

Admissions Requirements

The AS is designed for those with few (up to 30) or no transfer credits and can eventually roll directly into the Bachelor of Arts Degree Completion Program.

- **Completed online application**. There is no fee to apply
- Proof of a high school diploma (official transcript) or GED
- Official transcripts from all previously attended colleges or universities (if applicable)
- No SAT or ACT scores required

Degree Requirements

Prerequisite skills in English and Mathematics are required. Revisions Approved November 2020

General Education Requirements (33 credits)

- WRIT1002 Comp I: Rhetoric and Inquiry
- WRIT1003 Comp II Research and Argument
- PHIL1102 Intro to Philosophy
- PSYC1201 General Psychology

- [COMM2099](#) Professional Communications
- [UNIV1001](#) Transition to University Life
- [UNIV1002](#) Preparation for Professional Life
- [UNIV2001](#) Cross-Cultural Perspectives
- [UNIV2002](#) Global Issues
- [MATH1105](#) College Algebra
- [MATH1107](#) Pre-Calculus
- **Free Elective** (Humanities course suggested for students not required to take credit-bearing developmental courses)

Required STEM Courses (28 credits)

- [BIOL1001](#) Principles of Modern Biology
- [CHEM1107](#), [CHEM1117](#) Chemistry for Health Sciences/Lab
- [BIOL1221](#), [BIOL1222](#) Biological Diversity/Lab
- [BIOL1233](#), [BIOL1234](#) Molecules, Cells & Genes/Lab
- [CHEM1201](#), [CHEM1203](#) General Chemistry I w/ Lab
- [MATH1201](#) Calculus I or [MATH1203](#) Calculus I
- [CSCI1145](#) Computer Science Fundamentals
- [BIOL3339](#) Bioethics

Program Learning Outcomes

A core element of the mission of Petrocelli College is to provide students with critical thinking skills and theoretical models and concepts central to an undergraduate program. The Associate of Science (AS) in General Science degree adheres to that mission while also focusing on more specific Learning Outcomes in the Quantitative and Scientific domains. The overarching emphasis is on ensuring that students who have never received a scientific education are provided a solid theoretical and laboratory foundation in Scientific and Quantitative disciplines.

Courses in the program have been designed to meet the following major learning outcomes:

- **Quantitative Literacy:**
    - The ability to work with equations including evaluation and solving a formula for any of the variables.

- o The ability to solve equations using various algebraic and trigonometric techniques.

- **Scientific Literacy:**
    - o The ability to understand the fundamental scientific concepts in Biology and Chemistry.
    - o The ability to apply these basic concepts to advanced courses in Biology and Chemistry, as students progress in their education.
    - o The ability to apply basic scientific concepts in a laboratory setting

- **Scientific Analysis:**
    - o The ability to formulate basic scientific hypotheses
    - o The ability to test a hypothesis in a theoretical and laboratory setting
    - o The ability to explain the results of the tests conducted using a lab report and all necessary data and diagrams.

- **Information Research Skills:**
    - o The ability to clearly understand the information research requirements of a research problem or project.
    - o Demonstrate the ability to conduct research in which the student can efficiently locate, accurately evaluate, effectively use, and clearly communicate information in various formats.
    - o The ability to correctly attribute and reference materials discovered during the Research process.

- **Critical Thinking Skills:**
    - o Demonstrate the ability to examine critically, information discovered through research, both in the laboratory and through the evaluation of pertinent scientific data and literature.
    - o Demonstrate the ability to clearly articulate the findings of such an evaluation in writing and using necessary data representations.

- **Quantitative Analysis:**
    - o Demonstrate the ability to use mathematical tools and methods to understand and explain events and situations, using researched data or data recorded during laboratory experiments.
    - o The ability to clearly articulate the results of calculations in writing and using appropriate data representations.

AS For High School Graduates

FDU is New Jersey's only private university to offer a comprehensive, full-time associate degree program for recent high school graduates. The AS degree is offered at 50% less than standard FDU tuition.

- Leading to the Associate of Science (AS) degree, this full-time program of study offers the personal support and attention of a smaller college environment.
- As an AS student, you can take full advantage of University resources and activities — academic, social, cultural and recreational — that are available to FDU undergraduates.
- Upon successful completion of the program,you can transfer seamlessly into many of the nearly 100 undergraduate majors and concentrations offered at the University's Metropolitan Campus (Teaneck, NJ) or Florham Campus (Madison, NJ).
- As a graduate of the program, you'll automatically receive an annually renewable **$4,000 Alumni Award** to continue your studies at FDU.

Contact Information

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Government and Politics BA

Students majoring in government and politics must complete 36 credits of major required courses. A minimum of 120 credits is required for graduation. Up to 6 credits from the major and 6 credits from the minor may be applied toward the General Education requirements. Government and Politics is favored by students preparing for law school. Government and law majors interested in a career in teaching may also be admitted to QUEST, the five-year accelerated preparation program for teaching certification. Students should see college requirements for details of the general education requirements.

Program Learning Objectives

At the conclusion of this program, graduates will:

- American Government and Politics: Demonstrate an understanding of the history, development and practices of American government, including, but not limited to, the three branches of the federal government, Courts, the Constitution and the elections.
- Global Government: Demonstrate an understanding of forms of government, elections and procedures found outside of the United States, including international relations, and be able to articulate the consequences of these differences, and use them to better understand the logics of governmental structures.
- Theory and Ethics: Demonstrate an understanding of the theories underlying US and global government and politics, as well as the development of these theories over time, and the ethical ramifications of these theories.
- Methodology: Evaluate the validity and ethics of social science research, including polls, surveys, experiments, and other studies.
- Application: Apply the information learned in other courses to current events and controversies in US and global government and politics.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Up to 6 credits from the MAJOR and up to 6 credits from the MINOR may be applied toward General Education Requirements. Minor is optional. Additional 15 credits of free electives will need to be taken in lieu of a minor.

Florham Campus

Required Major Courses (15 credits)

- [GOVT1000](#) American Government & Politics
- [GOVT1100](#) Global Politics
- [GOVT2400](#) Political Ethics
- [GOVT3500](#) Research Methods in Social Science
- [GOVT4802](#) Current Events Seminar

Major Elective Courses (21-30 credits)

Select from 2000, 3000 and 4000 level courses in GOVT. At least (9) credits from 3000 level or higher.

Global Politics Concentration (15-30 credits)

(Florham Campus Only)

Students majoring in government and politics with a concentration in global politics must complete 36-45 credits of course work in the area of government and law. The goal of the global politics concentration track is to prepare students for careers in international corporations, nongovernmental organizations (NGOs) and departments and agencies of the federal government which manage foreign affairs. In addition to the courses required of all government and politics majors, students in this track must take a minimum of 15 GOVT credits with a global politics emphasis at a 2000 or higher level.

Select a minimum of 15 GOVT credits with a Global politics emphasis at a 2000 or higher level designated 2100-2199, 3100-3199 or 4100-4199. At least 9 credits must be taken at the 3000 level or above.

Legal Studies Concentration (15-24 credits)

(Florham Campus Only)

Students majoring in government and politics with a concentration in legal studies must complete 36-45 credits of coursework in the area of government and law. The goal of the legal studies concentration is to prepare students for law school or to provide students with a basic overview of law and legal institutions to help them in a variety of careers in government service, public policy, or the private sector. In addition to the courses required of all government and law majors, students in this concentration shall take the following courses.

Required Legal Studies foundation courses (6 credits)

Choose at least two courses from the following:

- [GOVT1200](#) Introduction to Law
- [GOVT2030](#) The Supreme Court
- [GOVT2230](#) Judicial Process
- [GOVT3220](#) American Constitutional Law
- [GOVT3210](#) Civil Liberties and Civil Rights
- [GOVT3240](#) Law and Society
- [GOVT4200](#) The Constitution

Additional law courses (15-24 credits)

Take 15-24 credits from GOVT courses at 2000 level or above. At least 9 credits must be with a Law emphasis from the following list:

- [GOVT1200](#) Introduction to Law
- [GOVT2030](#) The Supreme Court
- [GOVT2216](#) Current Events
- [GOVT2230](#) Judicial Process
- [GOVT2281](#), [GOVT2282](#), [GOVT2283](#), [GOVT2284](#) Mock Trial
- [GOVT3200](#) American Constitutional Law
- [GOVT3210](#) Civil Rights & Civil Liberties
- [GOVT3320](#) Criminal La
- [GOVT3226](#) Criminal Procedure
- [GOVT3240](#) Law and Society
- [GOVT3245](#) School Law
- [GOVT4200](#) The Constitution

Metropolitan Campus

Required Major Courses (15 credits)

- [GOVT1000](#) American Government & Politics
- [GOVT2130](#) International Relations
- [GOVT2400](#) Political Ethics
- [GOVT2500](#) Social Analysis
- [GOVT3313](#) Problems in Politics

Major Elective Courses (21 credits)

Select from 2000, 3000, and 4000 level courses in GOVT. At least (9) credits from 3000 level or higher.

International Affairs Concentration (15 Credits)

(Metro campus Only)

The international affairs concentration offers students the opportunity to focus on how states and other actors, including non-governmental organizations (NGOs), interact in the global environment, and within the dynamics of globalization that shape policy outcomes affecting levels of cooperation and conflict. International affairs provides the student with analytical and foundational courses, and the flexibility to pursue individual career goals in government and private sectors, and in academics. In addition to the courses required of all government and politics majors, students in the international affairs concentration must take a minimum of 15 GOVT credits.

- [GOVT1101](#) Intro to Political Science
- [GOVT1102](#) Geography and World Issues
- [GOVT2211](#) International Organization
- [GOVT2212](#) International Law
- [GOVT2231](#) Comparative Government & Politics

[Back to Top](#)

Government and Politics BA, Criminal Justice MA: combined degree

The goal of the program is to prepare students for careers in international corporations, nongovernmental organizations (NGOs) and departments and agencies of the federal government which manage foreign affairs.

The combined BA in Government and Politics and MA in Criminal Justice is open to Government and Politics majors admitted to the university. After successful completion of 64 credits at the undergraduate level but no later than completion of 90 credits, students who have a minimum overall grade point average of 3.0 and 3.25 in their major, must declare their candidacy to continue in the combined degree program. This affords students the opportunity to collaborate with their adviser in the selection of undergraduate and graduate courses. Students in the combined degree program must maintain a minimum 3.00 GPA in the graduate program for which they have been approved.

Program Outcomes

Knowledge and Understanding: Consistent with and in addition to the criteria established by the Academy of Criminal Justices Sciences (ACJS), students will acquire a thorough knowledge and understanding of administration of justice; U.S. Constitution, U.S. government, political system, and public policy; corrections; criminological theory; law adjudication; law enforcement; and research and analytic methods.

Critical Thinking: Students will learn and demonstrate critical thinking, skeptical inquiry, and the scientific approach to problem solving by selecting and organizing information, identifying assumptions and causal relationships, distinguish between verifiable facts and value claims, determine the credibility of sources, distinguish between warranted or unwarranted reasons or conclusions, detect biases, and evaluate appropriate problem solving strategies, their feasibility and efficacy.

Effective Communication: Students will be able to communicate effectively, in writing and verbally, the conventions of the English language in a clear, concise, articulate, literate, and professional manner consistent with those of college writing and those specific to the discipline of law and criminal justice.

Information and Technological Literacy: Students will be able to demonstrate information literacy and technological competency utilizing the most current computer-based library computer systems and academic databases, governmental resources, and other bono-fide informational resources to facilitate the study of criminal justice and criminology.

Ethical and Professional Behavior: Students will learn to identify, evaluate, assess, and employ appropriate legal, ethical, and professional behaviors and practices within all aspects of their life, including, but not limited to an academic and criminal justice environment.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Required major courses (24 credits)

- GOVT1000 American Government & Politics
- GOVT2130   International Relations
- GOVT2216   Problems in Politics
- GOVT2400   Politics & Ethics
- GOVT2500   Rsrch Methods in the Social Sciences
- CRIM6000 Prof. Seminar Criminal Justice
- CRIM6005 Advanced Criminological Theory
- CRIM6025 Social Science Research Methods & Statistics

Major electives (21 credits)

Select from 2000, 3000 and 4000 level courses in GOVT. At least (6) credits from 3000 level or higher.

Master's degree courses (27 credits)

- CRIM6010 U.S. Constitution, Public Policy, & Crim Just
- CRIM8000 Critical Analysis of Criminal Justice (or)
- CRIM8050 Master's Research Project

Graduate Electives (21 credits)

- 21 credits of Graduate Electives may be selected from the following:
  CRIM6015, CRIM6020, CRIM7020, CRIM7025, CRIM7030, CRIM7060, CRIM7065, CRIM7070, CRIM7080, CRIM7081, CRIM7084, CRIM7085, CRIM7090, CRIM7800

- Professional Seminar in Criminal Justice ([CRIM6000](#)) must be taken within a student's first 6-9 credits of graduate courses.
- Statistics and Data Analysis ([CRIM6020](#)) serves as a prerequisite to Research Methods ([CRIM6015](#)).

[Back to Top](#)

Government and Politics BA, Political Science MA: combined degree

This program gives the students the opportunity and advantage to combine their undergraduate and graduate studies. With the approval of their academic advisor and the program director, students can take up to three (3) designated graduate courses that fulfill the requirements for both the undergraduate and graduate degrees, thus accelerating completion of their MA in Political Science in less time.

Students who would like to participate in this program during their junior year should meet with an advisor well in advance for approval of the appropriate courses taken during their undergraduate semesters. The program requires up to nine (9) graduate credits during the students' undergraduate career.

Program Learning Objectives:

- Research and Analytic Method: Quantitative-including statistics-and qualitative methods for conducting and analyzing political science and international studies research in a manner appropriate for graduate students.
- Critical Thinking: Students will learn and demonstrate critical thinking, skeptical inquiry, and the scientific approach to problem solving by selecting and organizing information, identifying assumptions and causal relationships, distinguish between verifiable facts and value claims, determine the credibility of sources, distinguish between warranted or unwarranted reasons

or conclusions, detect biases, and evaluate appropriate problem solving strategies, their feasibility and efficacy.

- Effective Communication: Students will be able to communicate effectively, in writing and verbally, the conventions of the English language in a clear, concise, articulate, literate, and professional manner consistent with those of college writing and those specific to the discipline international relations and political science.

- Information and Technological Literacy: Students will be able to demonstrate information literacy and technological competency utilizing the most current computer-based library computer systems and academic databases, governmental resources, and other bona-fide informational resources to facilitate the study of political science.

- Ethical and Professional Behavior: Students will learne to identify, evaluate, assess, and employ appropriate legal, ethical, and professional behaviors and practices within all aspects of their life, including, but not limited to an academic and political science environment.

Degree Plan

All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Require major courses (15 credits)

- GOVT1000   American Government & Politics
- GOVT2130   International Relations
- GOVT2216   Problems in Politics
- GOVT2400   Politics & Ethics
- GOVT2500   Research Methods in the Social Sciences
- CRIM6025   Social Science Research Methods & Statistics
- GOVT7820   Models of Political Systems
- GOVT7826   Politics of Public Policy

Major electives (21 credits)

Select from 2000, 3000 and 4000 level courses in GOVT. At least (6) credits from 3000 level or higher.

Master's degree courses (24 credits)

- [POLS6800](#) Graduate Independent Study
- GOVT____ Graduate Electives (3 credits)
- POLS____ Graduate Electives (18 credits)

21 credits of Graduate Electives may be selected from the following: [CRIM6010](#), [CRIM6015](#), [CRIM7020](#), [CRIM7025](#), [CRIM7030](#), [CRIM7080](#), [CRIM7084](#), [CRIM7085](#), [HIST6714](#), [HIST7712](#), [POLS6682](#), [POLS6711](#), [POLS6753](#), [POLS6871](#), [POLS7810](#), [POLS7815](#), [POLS7820](#), [POLS7821](#), [POLS7822](#), [POLS7825](#), [POLS7830](#), [POLS7831](#), [POLS7832](#), [POLS7833](#), [POLS7834](#), [POLS7835](#), [POLS7851](#), [POLS7853](#), [POLS7854](#), [POLS7863](#), [POLS7867](#), [POLS7868](#), [POLS7871](#), [POLS7874](#), [POLS7875](#)

A minimum of 120 credits is required for the BA degree and a minimum of 144 credits is required for the combined BA/MA degrees. Up to 6 credits from the major and 6 credits from the minor may be applied toward the General Education requirements.

[Back to Top](#)

Graphic Design BA

About the Program

The graphic design major provides individuals with the opportunity to learn the skills, principles, and latest industry-standard tools needed to prepare for a wide variety of careers in the graphic design industry. The courses focus on the art of communication and problem-solving through the use of type, space, visual imagery, and computer software.

Admissions

Admission decisions are made in accordance with criteria, policies, and procedures established by FDU. Students must maintain a grade point ratio of 2.00 in their courses at FDU subsequent to admission.

Professional Competencies

As a result of engaging in this major, students will gain a broad range of skills and competencies in major areas of their lives:

Procedural

- Gaining a broad exposure to various media and design formats
- Perfecting artistic approaches and techniques

Communication

- Communicating visually and verbally
- Providing and reacting to feedback as well as critique

Critical Thinking

- Working through constraints and limitations
- Understanding and adapting large quantities of information

Habits of Mind

- Working under pressure and meeting deadlines
- Problem-solving and adapting strategies

Possible Career Paths

The world of arts careers is vast and ever-changing. The U.S. Bureau of Labor Statistics points to several possible career paths graduates of this degree can pursue:

- Artist/art director
- Designer/ graphic designer
- Interior design/fashion
- Editor/content creator
- Photographer

- Technical writer/creative writer

About our Major

This rigorous curriculum merges creative visual aesthetics with modern technology, which is necessary for mastering print, illustration or web media production. Completion of this program will result in a Bachelor of Arts in graphic design with a concentration in illustration, print design, or web design awarded by Fairleigh Dickinson University.

Concentrations

We offer three areas of concentration:

- **Print Design Concentration** places a strong emphasis on concept development, technical skills, and aesthetics, in problem-solving.
- **Web Design Concentration** blends technical skills with design expertise, preparing students for a variety of careers in the interactive industry.
- **Illustration Concentration** allows students to focus on developing a personal style while practicing their craft. Imagination and experimentation are encouraged, as students learn techniques in traditional and digital media.

Academic Advisor

Klemme,Michelle M.

Academic Advisor
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- M-MS1-03

Experiential Learning Curriculum

All programs emphasize individual discovery, as students work on collaborative projects that are showcased in a variety of exhibits and displays at the University. Career and freelance skills are taught in upper-level classes. No matter which concentration is chosen, all three instill the creative, technological, and philosophical skills necessary to

be competitive in today's market. Creativity and concept are key in the FDU Design Programs.

Student Learning Outcomes

After completing this major, students will:

1. Demonstrate critical thinking and research techniques as a part of the visual problem solving method of creativity
2. Understand the principles and elements of design and demonstrate the ability of specific areas of design, layout, typography, pre-press, and printing
3. Demonstrate the ability to use the appropriate computer technology in the creation of design projects
4. Demonstrate the ability to articulate concept intention and construction of meaningful images through written or oral communication
5. Understand relevant and ethical practices as they apply to the graphic design profession

Illustration Concentration

Illustration allows for a personal style, giving students a competitive edge in their design careers. The illustration concentration gives students the opportunity to develop their abilities in a wide range of marketing, advertising, and editorial art arenas, through the development of critical-thinking skills in visual communication. Students will learn a variety of digital and real-media techniques, with an emphasis on design principles and concept development.

Required Theory and Production (33 credits)

- [CGD1212](#) Intro to Graphic Design
- [CGD1313](#) Creative Imagery with Photoshop
- [CGD1314](#) Illustrator Graphics and Design
- [CGD1552](#) The Digital Children's Book
- [CGDH2020](#) History of Graphic Design
- [CGD2212](#) Typography I
- [CGD2213](#) Visual Principles in Design
- [CGD3355](#) Package Design
- [CGD3305](#) Dynamic Design
- [CGD3351](#) Illustration Design

- CGD4420 Thesis
- CGD4500 Portfolio Preparation

Concentration Electives

Choose three courses (9 credits) from other CGD and/or CGDH courses not listed in your concentration as required. Check with your adviser as to the availability of elective courses as they vary by semester.

NOTE: Six credits in Graphic Design Internship may be used to fulfill concentration electives.

Required Cognates (9 credits)

- ART1201 Drawing I
- SOAC4005 Professional Practice: Graphic Design
  Any ANIM, ART, ARTH, or SOAC
  Recommended: ART3350

Print Design Concentration

The print design concentration teaches the creative process of producing visual communications and presentations in order to convey a specific message to a targeted audience, specifically intended for printing. The most common types of print-design products are publications, brochures, business cards, posters, product labels, and packaging.

Required (33 credits)

- CGD1212 Intro to Graphic Design
- CGD1313 Creative Imagery with Photoshop
- CGD1314 Illustrator Graphics and Design
- CGDH2020 History of Graphic Design
- CGD2212 Typography I
- CGD2213 Visual Principles in Design
- CGD2370 Print Layout
- CGD3352 Typography II
- CGD3355 Package Design
- CGD3215 Editorial Design

- CGD4420 Thesis
- CGD4500 Portfolio Preparation

Concentration Electives

Choose three courses (9 credits) from other CGD and/or CGDH courses not listed in your concentration as required. Check with your adviser as to the availability of elective courses as they vary by semester.

NOTE: Six credits in Graphic Design Internship may be used to fulfill concentration electives.

Required Cognates (6 credits)

- ART1201 Drawing I
- SOAC4005 Professional Practice: Graphic Design
  Any ANIM, ART, ARTH, or SOAC

Web Design Concentration

The web design concentration encompasses a variety of skills in the design and production of websites and other internet products including interface design, authoring, and coding through the use of proprietary software. Students study how websites work in order to produce the front-end user interface as well as develop the functionality, navigation, and interactivity of web-based products.

Required (33 credits)

- CGD1212 Intro to Graphic Design
- CGD1313 Creative Imagery with Photoshop
- CGD1314 Illustrator Graphics and Design
- CGD2212 Typography I
- CGD2213 Visual Principles in Design
- CGD3305 Dynamic Design
- CGDH2020 History of Graphic Design
- CGD3303 Web Design
- CGD3315 WordPress
- CGD3377 Web Design II
- CGD4420 Thesis

- CGD4500 Portfolio Preparation

Concentration Electives

Choose three courses (9 credits) from other CGD and/or CGDH courses not listed in your concentration as required. Check with your adviser as to the availability of elective courses as they vary by semester.

NOTE: Six credits in Graphic Design Internship may be used to fulfill concentration electives.

Required Cognates (9 credits)

- ART1201 Drawing I
- SOAC4005 Professional Practice: Graphic Design
  Any ANIM, ART, ARTH, or SOAC

Electives

- CGD1050 Creative Concept Drawing
- CGD1552 The Digital Children's Book
- CGDH2021 Aesthetics for Designers
- CGD2170 Branding Design
- CGD2213 Visual Principles in Design
- CGD2214 Digital Prepress
- CGD2215 Editorial Design and Illustration
- CGDH2216 Design for Social Responsibility
- CGD2217 Motion Graphics for Designers
- CGD2243 Children's Book Publishing
- CGD2370 Print Layout
- CGD2800 Graphic Design Independent Study
- CGD2810 Ui/Ux an Intro to Digital Product Design
- CGD3047 Literary Publishing
- CGD3215 Editorial Design
- CGD3300 Illustration: Special Topics
- CGD3303 Web Design
- CGD3305 Dynamic Design

- [CGD3315](#) WordPress
- [CGD3351](#) Illustration Design
- [CGD3352](#) Typography 2
- [CGD3353](#) Content Marketing for Designer
- [CGD3355](#) Package Design
- [CGD3361](#) Mobile Web Design
- [CGD3362](#) Mobile App Design
- [CGD3363](#) Interactive Publishing
- [CGD3361](#) Mobile Web Design
- [CGD3362](#) Mobile App Design
- [CGD3369](#) Motion on the Web
- [CGD3371](#) Sell Your Design Online
- [CGD3375](#) Fashion Illustration
- [CGD3377](#) Web Design II
- [CGD3380](#) Social Media Marketing Design
- [CGD3500](#) Cartooning-Intro, Techniques & App
- [CGD3800](#) Junior Independent Study
- [CGD3890](#) Junior Independent Study
- [CGD4422](#) Graphic Design Internship I
- [CGD4423](#) Graphic Design Internship II
- [CGD4800](#) Computer Graphics Independent Study
- [CGD4891](#) Computer Graphics Independent Study
- [CGD4900](#) Faculty/Student Research I
- [CGD4901](#) Faculty/Student Research II

Contact Information

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Janet O'Neil

Health Information Management BS

Health Information professionals are members of the health care team who are responsible for management of health information that is consistent with medical, administrative, ethical and legal requirements. Health information professionals collect, analyze and utilize data to provide information critical to the health care industry. One type of Health Information professional – the Registered Record Administrator (RHIA) – collects data from a variety of sources, monitors the integrity of the data, and manages the analysis and use of this data.

The **Bachelor of Science (BS) in Health Information Management (HIM)** program is awarded jointly between FDU and Rutgers University School of Health Professions. The program is designed as a "2+2" program with the first two years spent at FDU and the last two years spent at Rutgers University School of Health Professions. Students must complete 67 pre-professional credits during their first two years at FDU before applying for acceptance to the professional component at Rutgers University School of Health Professions for their last two years. The Rutgers HIM Program is independent of FDU (i.e., requires separate application). Tuition is paid directly to Rutgers during this phase of study. Students will consult with their FDU advisor during their first year of study to review the Rutgers HIM program requirements and plan for application in fall of their second year of study.

Admission Requirements

- Graduates from an accredited secondary school with a record indicating the potential to succeed in college will be considered for admission to the FDU BS in Health Information Management Program.
- Completion of the following high school studies:
    - 4 units of English
    - 1 unit of Chemistry + Lab
    - 2 units of History
    - 1 unit of Biology + Lab
    - 2 units of college preparatory Mathematics

- At least 16 high school academic units
- Secondary school GPA of 2.0 or higher

Admission to Rutgers School of Health Professions

- Students will submit a separate application in the fall semester of their sophomore year (second semester of year 2 at FDU).
- Admission decisions to Rutgers are made in accordance with criteria, policies and procedures established by a joint committee and cannot be guaranteed by FDU.
- Students generally **need to demonstrate at least a 2.75 GPA** in major and prerequisite courses at FDU to be considered for admission to the Rutgers HIM program.

Curriculum

BS in HIM General Education Requirements (40 credits)

- **Written & Oral Communication (9 credits)**
  - [WRIT1002](#) Composition I: Rhetoric and Inquiry
  - [WRIT1003](#) Composition II: Research and Argument
  - Oral Communication: Select from GenEd options

- **Information and Technological Literacy (3 credits)**
  - [MEDT2217](#) Info Systems and Applications in Health Care

- **Ethical Reasoning (3 credits)**
  - [MEDT1130](#) Bioethics

- **Global and Cultural Understanding (3 credits)**
  - [UNIV2001](#) Cross-cultural Perspectives

- **Scientific and Quantitative Analysis (8 credits)**
  - [BIOL2203](#)/[BIOL2223](#) Anatomy and Physiology I + Lab
  - Select from: [MATH1105](#) College Algebra; *OR* [MATH1107](#) Precalculus; *OR* [MATH1201](#) Calculus I; *OR* [MATH1203](#) Calculus I

- **Social and Behavioral Analysis (6 credits)**
  - Social Science: Select from GenEd options
  - Behavioral Science: Select from GenEd options

- **Inquiry in the Arts & Humanities (6 credits)**
  - Creative & Expressive Arts: Select from GenEd options
  - Humanities: Select from GenEd options

- **University Core (2 credits)**
  - UNIV1001 Transitioning to University Life
  - UNIV1002 Preparing for Professional Life

BS in HIM Major Requirements (22 credits)

- BIOL2204/BIOL2224 Anatomy and Physiology II and Lab
- ACCT2021 Accounting Principles I
- STATISTICS: Select either MATH1133 Applied Statistics *OR* PSYC2210 Psychological Statistics
- MEDT4301 American Health Care
- MEDT3208 Health Care Economics
- MEDT4302 Health Care Law and Policy
- MEDT2006 Medical Terminology

After completion of 62 credits at FDU, the program is completed at Rutgers University School of Health Professions (61 credits). With successful completion of the program at Rutgers University, the student will earn the BS in Health Information Management.

A minimum of 123 credits is required for graduation.

Contact Information
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Back to Top

Health Studies BS

The **Bachelor of Science in Health Studies** Program is designed to prepare graduates with an understanding of a wide range of health-related concepts with a strong emphasis on problem-solving skills and critical thinking. The comprehensive curriculum provides a solid foundation of general education, health-related science and in-depth perspectives in health and healthcare delivery.

The program offers four concentrations – Science, General, Exercise Science, and Global Health – which are differentiated by several curricular elements. The "major" courses are identical across the concentrations, as are the Admission Requirements. (Please note that not all program concentrations appear on the Common App. Please inquire at myapp@fdu.edu on enrolling in a major/concentration if you do not see it listed on your application.)

Curriculum Comparison

Concentration	Brief Description	Typical Student…	Curriculum (after 43 cr. GenEd requirements)
SCIENCE	**Health Studies SCIENCE Concentration** includes more intensive science prerequisites, for students who plan to go on for graduate studies in Medicine, Dentistry, Physical Therapy, Occupational Therapy, Physician Assistant, Health Administration, or other	…is seeking graduate degree in a medical/healthcare profession.	31+44 major credits 0 major elective credits 2 free elective credits

	graduate programs in FDU Health fields.		
GENERAL	The **Health Studies GENERAL Concentration** is for students who plan to work in a healthcare field and has additional free electives that make it possible to add Study Abroad or to have a minor. Students who have completed requirements and meet admission criteria may be eligible to transfer to the 4-year Bachelor of Science in Nursing program in their sophomore year. Graduates are also well-positioned to apply for the Accelerated BSN or MSN Entry-to-Practice nursing programs.	…is pre-nursing or may still be deciding between nursing and allied health; or considering a graduate degree in health-related field.	31+22 major credits 15 major elective credits 9 free elective credits
EXERCISE SCIENCE	The **Health Studies EXERCISE SCIENCE Concentration** is for students who may have an athletic/sports orientation and who plan to work in a health-related (but not healthcare) field. Additional free electives provide scheduling flexibility to support co-curricular interests, such as sports, clubs, or study abroad.	…is considering a career in health (but not caring for patients); or considering a graduate program in nutrition or exercise-related field.	31+15 major credits 15 major elective credits 16 free elective credits
GLOBAL HEALTH	The **Health Studies GLOBAL HEALTH**	…has AS degree and seeking BS degree; or	31+15 major credits

	SCIENCE Concentration is for students who want more of an "independent studies" feel. This concentration lines up very well for Associate degree-prepared students who seek a Bachelor degree. Graduates are well-positioned to apply for the FDU Master of Public Health program.	change of major within FDU to a health-related concentration.	15 major elective credits 16 free elective credits

Admission Notes

- Applicants who are graduates from an accredited secondary school with a record indicating potential to succeed in college will be considered for admission.
- Students with an associate degree can transfer up to 60 credits toward the degree per the criteria stated in the Undergraduate Studies Bulletin.

Curriculum

Accuplacer reading/writing scores and math assessment scores will determine which reading/writing and math courses first time, first year students will take. Those with reading/writing placement scores below the standards must complete courses in prerequisite skills (e.g., WRIT1000, WRIT1001, READ1000). Those with math placement scores below the standards must complete courses in prerequisite skills (e.g., MATH0298, MATH1100). These credits are applied toward free electives or are non-credit-bearing. **This requirement applies to all first time, first year students, even if they have been accepted into a Health Studies Program Track.

Health Studies General Education Requirements (43 credits)

- **Written & Oral Communication (9 credits)**
  - WRIT1002 Composition I: Rhetoric and Inquiry
  - WRIT1003 Composition II: Research and Argument
  - Oral Communication: Select from GenEd options

- **Information and Technological Literacy (3 credits)**

- o [MEDT2217](#) Information Systems and Applications in Healthcare

- **Ethical Reasoning (3 credits)**
  - o [MEDT1130](#) Bioethics

- **Global and Cultural Understanding (6 credits)**
  - o [UNIV2001](#) Cross-cultural Perspectives
  - o [UNIV2002](#) Global Issues

- **Scientific and Quantitative Analysis (8 credits)**
  - o [BIOL2203](#)/[BIOL2223](#) Anatomy and Physiology I + Lab
  - o Select from: [MATH1105](#) College Algebra; *OR* [MATH1107](#) Precalculus; *OR* [MATH1201](#) Calculus I; *OR* [MATH1203](#) Calculus I (SCIENCE Concentration must take [MATH1201](#) *OR* [MATH1203](#))

- **Social and Behavioral Analysis (6 credits)**
  - o Social Science: Select from GenEd options ([SOCI1201](#) may be prerequisite to some graduate schools)
  - o Behavioral Science: Select from GenEd options ([PSYC1201](#) General Psychology may be prerequisite to some graduate schools)

- **Inquiry in the Arts & Humanities (6 credits)**
  - o Creative & Expressive Arts: Select from GenEd options
  - o Humanities: Select from GenEd options

- **University Core (2 credits)**
  - o [UNIV1001](#) Transitioning to University Life
  - o [UNIV1002](#) Preparing for Professional Life

Health Studies Major Requirements (31 credits)

- [BIOL2204](#)/[BIOL2224](#) Anatomy and Physiology II + Lab
- [MEDT3351](#) Epidemiology in Healthcare
- [MEDT2006](#) Medical Terminology
- [MEDT4430](#) Utilization of Healthcare Research
- [MEDT3204](#) Social Determinants of Health
- [MEDT4302](#) Health Care Law and Policy
- [MEDT4304](#) Population Health

- MEDT3208 Introduction to Healthcare Economics
- STATISTICS: Select either MATH1133 Applied Statistics *OR* PSYC2210 Psychological Statistics
- MGMT2600 Organizational Behavior

Additional Requirements – SCIENCE CONCENTRATION

- BIOL1221/BIOL1222 Biological Diversity + Lab; BIOL1223 Biological Diversity Recitation
- BIOL1233/BIOL1234 Molecules, Cells and Genes + Lab; BIOL1235 Molecules, Cells and Genes Recitation
- BIOL3225/BIOL3226 Microbiology + Lab
- BIOL4240/BIOL4241 Molecular Cell Biology + Lab
- BIOL3100/BIOL3101 Genetics + Lab
- CHEM1201/CHEM1203 General Chemistry I + Lab; CHEM1211 General Chemistry Recitation
- CHEM1202/CHEM1204 General Chemistry II + Lab; CHEM1212 General Chemistry II Recitation
- CHEM2261/CHEM2263 Organic Chemistry I + Lab
- CHEM2262/CHEM2264 Organic Chemistry II + Lab
- PHYS2201/PHYS2203 Physics Laboratory I + Lab
- PHYS2202 /PHYS2204 Physics Laboratory II + Lab
- Free electives (2 credits) (CHEM3281/CHEM3389 Biochemistry +Lab may be prerequisite to some graduate schools and taken in lieu of elective)

Additional Requirements – GENERAL CONCENTRATION

- BIOL1221/BIOL1222 Biological Diversity + Lab; BIOL1223 Biological Diversity Recitation
- BIOL1233/BIOL1234 Molecules, Cells and Genes + Lab; BIOL1235 Molecules, Cells and Genes Recitation
- BIOL2125/BIOL2126 Microbiology for Health Sciences + Lab
- CHEM1107/CHEM1117 Chemistry for Health Sciences + Lab
- MEDT2210 Pathophysiology
- MEDT4307 Health Studies Practicum
- Electives in the major (15 credits – select from NURS or MEDT courses)

- Free electives (9 credits)

Additional Requirements – EXERCISE SCIENCE CONCENTRATION

- SPAD3002 Human Kinesiology
- SPAD2021 Strength and Conditioning
- MEDT3353 Introduction to Normal and Therapeutic Nutrition
- MEDT4308 Management Principles for Healthcare
- MEDT4307 Health Studies Practicum
- Electives in the major (15 credits – select from NURS or MEDT courses)
- Free electives (16 credits)

Additional Requirements – GLOBAL HEALTH CONCENTRATION

- MEDT4303 Introduction to Global Health
- MEDT4301 American Healthcare
- MEDT4308 Management Principles for Healthcare
- MEDT3353 Introduction to Normal and Therapeutic Nutrition
- MEDT4307 Health Studies Practicum
- Electives in the major (15 credits – select from NURS or MEDT courses)
- Free electives (16 credits)

Contact Information

Undergraduate Admissions and FDU Application Assistance
admissions@fdu.edu
800-338-8803
myapp@fdu.edu

Back to Top

History BA

History is the study of the human past from a wide variety of methodological perspectives and is an ongoing process of learning and discovery. Investigating history requires students to search out, critically analyze and lucidly present information in order to make sense of complex situations. These are the skills that decision-making in government, law, business, journalism and other fields requires.

The major is designed to provide students with a nuanced understanding of the past in a wide variety of geographical and chronological settings, and to equip them with the tools and skills necessary to become effective critical thinkers, researchers and writers. History majors interested in a career in teaching may also be admitted to QUEST, the five-year accelerated preparation program for teaching certification.

Why Study History at FDU?

History students at Fairleigh Dickinson University:

- learn in small classes emphasizing student participation (average class size is 20, with upper division classes averaging 12);
- develop close working relationships with their teachers through independent studies, student-faculty research, activities outside of class, and individual mentoring and advising;
- prepare for life after graduation through internships, coursework relevant to a range of fields, and by developing the critical reading, writing, and analytic skills strongly desired by employers;
- go on to careers in government, law, teaching, research, writing and journalism, and archival and museum work, among many other fields;
- study diverse subjects including such courses as Crime and Punishment in Southern Africa, The U.S. as a Global Power, The Indian Ocean, The History of Sexuality in the United States, and Medieval History in Film;
- work with faculty who have been recognized by their students and peers as extraordinary teachers whose research spans the globe, including studies of missionaries in Africa, imperialism in the Philippines, the role of religion in reform movements, and medieval warfare.

Program Learning Outcomes

At the conclusion of this program, graduates will be able to:

- Attain mastery of raw facts relating to the subject matter.
- Explain how and why historians tell different stories about the past.
- Interpret primary sources in a sophisticated manner.
- Write papers that are largely free of grammatical and mechanical errors, and that exhibit appropriate style.
- Form and support arguments including a clear thesis that is supported by evidence.

Degree Plan

NOTE: All NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

History majors must complete 33-42 credits plus 3 cognate credits in the discipline including World History I and II, and Historical Methods. They must also study at least one historical area organized around the world's great waterways. History students also complete a 4000-level seminar and take elective courses distributed between western and non-western history.

Major requirements (33-42 credits plus 3 cognate credits)

6 credits from the MAJOR may be applied toward General Education Requirements

Required History Courses (15 credits)

- HIST1150 World History to 1500
- HIST1151 World History from 1500
- HIST3802 Historical Methods

Choose at least one of the following four courses

- HIST2400 Indian Ocean
- HIST2401 Pacific Worlds

- [HIST2402](#) Atlantic Worlds
- [HIST2403](#) Mediterranean Worlds

Choose at least one from the 4000 level seminar (Note: Prerequisite [HIST3802](#) Historical methods)

Major elective courses (18-27 credits)

Note: select three credits from each of the following areas (from 1-4). At least six credits of major electives must be at the 3000-level.

- Africa & Asia
- Europe
- Latin America
- United States

Cognate requirements (3 credits)

- [GEOG1102](#) Geography & World issues

6 credits from the MINOR may be applied toward General Education Requirements

Internships

Every semester we offer a three-credit internship in history. Students, together with their instructors, identify appropriate internship sites and opportunities, and earn regular course credit for work in public history. Students work at a historical site each week and conduct historical research. In short, they *do* history. Interns complete hands-on projects, supplementing their classroom experiences with pragmatic and intriguing learning environments.

Contact Information
Dr. Gary Darden
973-443-8727
darden@fdu.edu

Hospitality & Tourism Management BA, Hospitality Management Studies MHMS: combined degree

"We are what we repeatedly do. Excellence then, is not a single act, but a habit. "
— Aristotle
The International School of Hospitality and Tourism Management offers a 5-year BA in Hotel and Restaurant Management/Master of Hospitality Management Studies program.

Admission requirements

This program is available to select students who want to pursue both degrees simultaneously and have fulfilled the following requirements:

- Must have a GPA of 3.00 or better while entering the program and also maintain a minimum GPA of 3.00 or better throughout the BA/MHMS program. In addition, must earn a GPA of 3.00 in each of the 3 core curriculum classes.
- 2 letters of recommendation or verbal recommendations, choosing either Option 1 or 2 below.
  - Option 1: One recommendation from Internship Director and one from Hospitality Faculty
  - Option 2: Two recommendations from Hospitality Faculty
- Interview with the Director of Graduate Studies.

Hospitality and Tourism Management BA

The New York City metropolitan area is one of the nation's most popular tourism destinations, rich with career opportunities. You can earn the educational credentials they need for a satisfying career in the hospitality industry through a special program offered by Fairleigh Dickinson University's International School of Hospitality and Tourism Management — the region's premier hospitality management program.

FDU's BA in Hospitality & Tourism Management offers a variety of ways to meet University requirements for an undergraduate degree grounded in the liberal arts. It is ideal for the student that brings a variety of traditional course work completed over a period of years at a number of institutions and a history of work and life experiences that can be equated with credit-bearing courses.

Program Highlights

- Small classes taught by industry professionals
- Variety of field trips and international experiences are available to students that are interested
- Generous transfer credit policies for previously earned college credits graduates
- Full- or part-time options

Degree Plan

FDU's BA degree in Hospitality and Tourism Management requires completion of only 120 credits. Our program allows you to earn your bachelor's degree faster than you ever thought possible.

The minimum requirements for the baccalaureate degree are as follows:

- completion of a minimum of 120 credits
- cumulative grade point ratio of 2.00

- cumulative grade point ratio of 2.00 in the upper-level courses completed at FDU
- a grade of C or better in all nine HRTM Major courses
- at least 30 credits, normally the last 30, must be completed at FDU, at least 24 of these credits must be at the 2000-level or above
- residency requirement/time limit on degree completion as explained below

A transfer student may transfer credit achieved through either formal course work or through proficiency examination to the extent that the credits transferred do not circumvent existing university policy requiring a minimum of 30 credits in residence, including at least 50 percent of the credits required for upper-level course selections to be taken at Fairleigh Dickinson University.

Any course work completed more than ten years before the projected date of awarding the degree (including work for which credit is transferred from another college) shall be evaluated for its currency by the department. Where it is deemed appropriate, the department will recommend courses to familiarize the student with more recent developments.

Curriculum

The Bachelor of Arts in Hospitality & Tourism Management is a 120-credit baccalaureate degree program.

- General Education Requirements, including University Core: 42 Credits
    - General Education: 34 credits
    - University Core: 8 credits

- Major Requirements: 40 Credits
    - Major courses: 27 credits
    - Required Upper Division Professional Development Series Courses: 13 credits

- Electives: 38 Credits
    - At least 21 credits in Hospitality
    - Other Electives: 0 – 17 Credits

General Education Requirements, including University Core: 42 Credits (15 Courses)

- Written Communication: 6 credits (2 courses) Any combination of freshman writing and advanced-level writing courses or their equivalents at other institutions. At least one advanced-level writing course must be taken at FDU. (Courses labeled Fundamentals of Composition are considered pre-college level and do not count toward meeting degree requirements.)

- Speech/Oral/Professional Communication: 3 credits (1 course) Three credits in a course substantially concerned with public speaking, oral, written and/or professional communication/presentations.

- Ethics and Moral Analysis Reasoning: 3 credits (1 course) Three credits in a course from any discipline that is substantially concerned with ethical theories and questions such as a course in philosophy, religion, or a course with "ethics" in its title.

- Information and Technological Literacy: 3 credits (1 course) Three credits in MIS.

- Scientific Analysis and Quantitative Analysis 7 credits (2 courses)
    - Scientific Analysis: 4 credits (1 course)
      Four credits scientific analysis, including courses with prefix BIOL, CHEM, PHYS, ENVR, or MBIOL. Course must have a laboratory requirement.

    - Quantitative Analysis: 3 credits (1 course) Three credits must be in a college-level mathematics course.

- Inquiry in the Arts & Humanities: 6 credits (2 courses)
    - Creative and Expressive Arts: 3 credits (1 course)
      Three credits in creative and expressive arts, including courses with prefix ANIM, ANIMH, ART, ARTH, CGD, CDHH, CINE, CREW, FILM, THEA, or THEAH.

    - Humanities: 3 credits (1 course)
      Three credits in humanities, including courses with prefix ENGL, HIST, HUMN, LITS, PHIL, AFAM, or RELI.

- Social and Behavioral Sciences: 6 credits (2 courses)
    - Social Sciences: 3 credits (1 course)
      Three credits in social sciences, including courses with prefix ANTH, ECON, GEOG, GOVT, COMM, SOCI, SUST, or ENVS.

    - Behavioral Sciences: 3 credits (1 course)
      Three credits in behavioral sciences, including courses with prefix CMLGY, CRIM, and PSYC

- University Core Requirement: 8 Credits (4 Courses)
  Fairleigh Dickinson University requires all students to complete a common University Core curriculum. Eight credits of University Core courses are required:
    - UNIV1001: 1 credit – Transitioning to College Life [Waived for transfer students with 30 or more credits (plus 2 additional FE transfer credits if room)]
    - UNIV1002: 1 credit – Preparing for Professional Life [Waived for transfer students with 45 or more credits (plus 2 additional FE transfer credits if room)]
    - UNIV2001: 3 credits – Cross-Cultural Perspectives o UNIV2002: 3 credits – Global Issues OR HRTM2235: Sustainability & Ecotourism

Major Requirements: 40 Credits

- Major Courses: 27 credits (9 courses)
    - HRTM2214 Sales & Marketing Management
    - HRTM2215 Deciphering Accounting in Hospitality Business
    - HRTM2223 Heads In Beds
    - HRTM3200 Food & Beverage Bus., Complexities & Innovations.
    - HRTM3217 Lodging Data Analytics
    - HRTM3218 Hotel Asset Management
    - HRTM3219 Managing Talent Acquisition, Retention, & Motivation
    - HRTM4119 Analyzing & Developing Accommodation Business
    - HRTM4205 Build & Manage Your Hotel

- Required Upper Division Professional Development Series Courses: 13 credits (8 courses)
    - HRTM3105 Managerial Challenges (PDS 5)
    - HRTM2505 PDS 5 Lab
    - HRTM3106 Manager and the Group (PDS 6)
    - HRTM2506 PDS 6 Lab
    - HRTM4107 Concepts of Travel and Transportation (PDS 7)
    - HRTM2507 PDS 7 Lab
      Note: For transfer students, HRTM3250 Club Management may substitute for HRTM4107 and HRTM2507)
    - HRTM4108 Global Issues in Hospitality Management (PDS 8)

- o [HRTM2508](#) PDS 8 Lab
- o Note: For transfer students, [HRTM4280](#) Domestic and International Tourism may substitute for [HRTM4108](#) and [HRTM2508](#))
- o [HRTM3129](#) Capstone Work Experience

Free Electives (38 credits)

- Free electives: Minimum of 21 credits in Hospitality
  Note: Strongly recommended Lower Division Professional Development Series HRTM courses (14 Credits)
  Note: It is expected that first year freshman will take all electives listed below.
    - o [HRTM1105](#) Jump into the Unknown (PDS 1)
    - o [HRTM2501](#) PDS Lab 1
    - o [HRTM1102](#) Professional Development (PDS 2)
    - o [HRTM2502](#) PDS Lab 2
    - o [HRTM2102](#) Ethical Leadership and Sustainability (PDS 3)
    - o [HRTM2503](#) PDS Lab 3
    - o [HRTM2106](#) Legal Aspects of the Business Globally (PDS 4)
    - o [HRTM2504](#) PDS Lab 4
    - o [HRTM1104](#) Operational Work Experience
    - o [HRTM2101](#) Supervisory Work Experience

- Other Free electives: 0-17 credits

[Back to Top](#)

Hospitality and Tourism Management BA (Immersion Studies)

This program offers students an immersive education that combines a structured work experience with a distinctive academic program from a top ten hotel management school.

Exchanging the college lifestyle for a luxurious work environment in exclusive resorts in iconic tourism destinations is a choice in itself but it speaks to the preparedness, maturity, and focus of a graduate which distinguishes our students from the "ordinary" college graduate.

Furthermore, the program's experiential learning focus is an attractive alternative for students whose learning style is suited to the action and doing that will prepare them with real life management and leadership skills.

From a parent's perspective, the program offers a secure alternative to the college experience in that all resort partners are vetted, trained, and committed to the program. It is in their interest that the student/intern experience is rewarding since the partners are seeking a long-term relationship with the students and the program. This program reduces the overall cost of going to college. Students are paid during their time of employment; their earnings can offset their board and lodging, provide pocket money. and cover some of the tuition costs that are not covered by grants and scholarships.

For the employer, the elite luxury resorts have a talent gap and need to constitute a "bench" from which they can recruit their future management. This partnership of FDU and partner resorts allows them to develop a source of well-prepared, motivated trainee staff who can gradually build up the skills, knowledge, and talent they aspire to recruit longer-term.

The process

FDU has considerable experience operating structured internships and online offsite programs to students working in resorts. Based on this experience the process will include several steps to ensure success focused admission, strong academic and professional support while students are engaged in the program, proactive career and professional advisement and extracurricular activities that enhance and promote a sense of student communities within the program and their work locations.

- **Success focused admission**
  The admission process begins with an information session to all admits that explains the steps they will need to take to be admitted onto this program. Essentially students will need to pass two admissions "hurdles". The first is

academic admission into FDU and the program and the second is professional admission into the work experience.

- o FDU will manage the academic admission to the program.
- o Our partner resorts will manage the "professional admission" to the program.

The admission process will seek to create small cohorts of minimum 12 to 15 students in order to create a sense of community among the students. The total resort size will determine the number of cohorts it can absorb.

- **Academic and professional support**
  The program will be managed by an Academic Program Director and a Professional Experience Director within each resort. These two roles and their tight collaborative work (while respecting FERPA) are the key to monitoring and supporting the students' successful pathway to graduation. The student/employee must meet both the program's standards set by both the resorts (with respect to work obligations) and FDU (with respect to academic standing and other requirements of FDU students).

- **Career and professional advisement**
  The FDU Academic Program Director, in the role of academic advisor, will be expected to visit the resort twice per academic year (accommodation costs covered by the resort, travel and compensation covered by FDU). During these visits the FDU advisor will meet each student and meet the Professional Experience Director to discuss the program.

- **Extracurricular activities**
  It is important to provide the student/employee participating in this program with organized extracurricular activities that will enhance their experience and widen their knowledge of the region, people, and resources. Activities such as the following will be organized and provided under pre-arranged agreements between the program leaders (Resort and Academic).
  - o Professional visits
  - o Sport
  - o Health and wellness
  - o Student driven initiatives

The 4-year academic plan will lead to a BA in Hospitality & Tourism Management.

- This academic program will be delivered mostly online asynchronously and adapted to the program's delivery method.

- This will be achieved by students completing 120 credits in four years. They will be enrolled full-time in spring and fall and part-time in summer. Each fall and spring semester 9 credits are "hard courses" i.e. ordinary college-level courses while the other 3 credits (to make it up to 12) are either work experience or portfolio type courses.

- These work experience/portfolio courses will be offered within our school's Professional Development Series (PDS) which has a proven successful track record. For this program, this series will be offered differently from the one offered on campus. The PDS track for this program will be offered as hybrid seminars (i.e. some online work accompanied with one or two in-person one-day sessions at the resorts) and form the backbone of a continued developmental approach to career building.

- In general, the program will be offered as a lockstep program; no choices will be given to students other than very few electives. This is important to create a sense of community among the students engaged in this program regardless of their location in terms of resort location.

- A variant of the 120-credit program will be structured as a 60-credit program (four semesters and two summers) and offered to exceptionally prepared associates degree graduates.

Humanities BA

The Humanities major offers a broadly-based liberal arts education and an integrated interdisciplinary experience that draws on Literature, History, Philosophy, the visual and performing arts, and culture courses in modern languages. Each discipline has its characteristic methods and interpretive moves, which are studied independently and which come together in an introductory methods course and a senior capstone seminar, which offer intensive interdisciplinary study of themes and historical periods.

This major would be magnificent preparation for a career in law (especially combined with FDU's own prelaw minor), or any other field that prizes rigorous yet flexible thinking, well-honed research skills, clear but sophisticated writing, and being able to take multiple perspectives on an issue. It is also strongly recommended for elementary education.

Program Learning Outcomes

At the conclusion of this program, graduates will be able to:

- Employ humanistic, critical methodologies, possibly including complementary quantitative or scientific methodologies, either drawing on two or more distinct disciplines, or working in an interdisciplinary way, or both.
- Analyze texts (broadly defined, to encompass works, artifacts, ideas, and discourses) and creators (authors, artists) in a way that demonstrates understanding of how they function in historical, social, cultural, political, philosophical, and other relevant contexts (including reception history, movements, times, and genres), with an awareness of diversity.
- Conduct research and write papers involving analysis of primary texts, supported by appropriately chosen secondary sources, appropriately documented.
- Write in an appropriate scholarly genre (holistic judgment of paper's suitability as academic discourse in the humanities).

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

The standard Bachelor's degree at FDU is 120 credits, including Gen Ed requirements and an optional 15-credit minor or 15 credits of free electives. 36 credits are required for the major:

Required major courses (9 credits)

- HUMN1100 Intro to Methods in the Humanities
- HUMN4001 Humanities Senior Capstone
- Any 3-credit course in Philosophy (PHIL) or Religion (RELI)

Elective courses (27 credits)

Choose nine more 3-credit courses from these disciplines:

- The Arts, including Art History (ARTH), Cinema Studies (CINE), Music (MUSI), and Theater Studies (THEAH). One 3-credit expressive or studio arts course in Art (ART), Creative Writing (CREW), Dance (DAN), Filmmaking (FILM) or Theater (THEA) can also count here.
- History (HIST)
- Humanities (HUMN)
- Language (LANG), i.e. culturally-specific courses taught in English
- Literature (LITS)
- Philosophy (PHIL)
- Religion (RELI)

HUMN courses are unlimited. Otherwise there's a maximum of three courses from the same discipline ("the Arts" being one discipline), and only one of those can be at the 1000-level.

Internship

3 credits of an approved internship in any Humanities discipline will count towards the major electives.

QUEST/MAT Options

- BA, Humanities/QUEST/Preschool – Grade 3
- BA, Humanities/QUEST/Elementary Education
- BA, Humanities/QUEST/Preschool – Grade 3 TSD
- BA, Humanities/QUEST/Elementary Education Special Education
- BA, Humanities/QUEST/English as a Second Language
- BA, Humanities/QUEST/Elementary Education ESL

The QUEST version of the major is expressly designed to give elementary-school teachers the skills to teach language arts, social studies, civics, and more. Again, there are 36 required credits:

Required major courses (6 credits)

- [HUMN1100](#) Intro to Methods in the Humanities
- [HUMN4001](#) Humanities Senior Capstone

Literature (15 credits)

- One course in American literature
- One course in world literature
- One course on Shakespeare
- [LITS3311](#) Children's Literature
- [LITS2030](#) English Grammar, or [LITS2031](#) The English Language

History (9 credits)

- One course in world history
- One course in American history
- One course in geography

Government and Politics (3 credits)

- One course in American government or politics

Elective (3 credits)

- One additional course in Art (ART), Art History (ARTH), Cinema Studies (CINE), Creative Writing (CREW), Dance (DAN), Filmmaking (FILM), History (HIST), Humanities (HUMN), Literature (LITS), Music (MUSI), Philosophy (PHIL), Religion (RELI), Theater (THEA), or Theater Studies (THEAH).

[Back to Top](#)

Individualized Studies BA (Hospitality and Tourism Management specialization, Vancouver)

A Powerful Education: A program for you to earn the credentials you will need to begin or advance in your career in the world's fastest-growing industry.

The Vancouver area is one of Canada's most popular tourism destinations and as a result a location rich with career opportunities for people seeking employment in the hospitality and tourism industry. At FDU Vancouver, you can earn the educational credentials needed for a rewarding career in the hospitality industry through this specialized program offered by the university's International School of Hospitality, Sports, and Tourism Management.

Program Highlights

Students completing the requirements for the Bachelor of Arts in Individualized Studies degree will be required to demonstrate proficiency in a number of subject areas and related skills. They include the following:

- The use of basic intellectual and critical thinking skills, specifically to communicate effectively, both orally and in writing; to use mathematical reasoning; and to comprehend the nature, techniques and limits of the humanities, natural or physical sciences and the social and behavioral sciences.
- The ability to learn and apply learning to the graduate's career and life experience, requiring the capability to define problems; to use information resources such as libraries, online research tools and computers; and to analyze, synthesize and integrate knowledge, perspectives and techniques.
- The ability to be customer focused, analytical and independent.
- An understanding of the historic and global context of events and achievements over time as treated in subjects such as history, the arts and the humanities.
- Mastery of a considerable body of knowledge in one subject area or a group of related subjects.

Fairleigh Dickinson University's BA in Individualized Studies (BAIS) program offers a variety of ways to meet university requirements for an undergraduate degree grounded in the liberal arts. In addition to completing a traditional four year program, the BAIS with

Specialization in Hospitality and Tourism Management program is also ideal for the student who brings a variety of traditional course work completed over a period of years at a number of institutions and a history of work and life experiences that can be equated with credit-bearing courses.

Fairleigh Dickinson University's **BA in Individualized Studies** degree requires a completion of **120 credits**. Through Pathway programs with partner colleges and transfer credit options, our program allows you to earn your bachelor's degree faster than you ever thought possible by offering:

- Small classes taught by academic and industry professionals
- Field trips and International study abroad experiences for students that are interested
- Generous transfer credit policies for previously earned college credits graduates
- Practical work experience opportunities
- Pathway opportunities into FDU Vancouver's Master of Hospitality Management Studies degree

Post Graduation Work Permit (PGWP) eligibility: Yes

For international students, if you submit your study permit application on or after November 1, 2024, you must also meet the new requirements that apply to your situation to be eligible to apply for a PGWP.

- If you graduate from a university bachelor's degree, master's degree or doctoral degree program:
  - Field of study requirement: All fields of study are eligible. There is no additional field of study requirement.

As a university, graduates from all current FDU Vancouver programs, including the Bachelor of Arts in Individualized Studies-Hospitality and Tourism Management, are eligible to apply for PGWP. There is no field of study requirement.

Immigration, Refugees and Citizenship Canada regulations regarding PGWP are subject to change. Please visit the IRCC website for latest details.

Graduation Requirements

The Bachelor of Arts in Individualized Studies degree is a baccalaureate degree program structured to meet the educational needs of learners. It includes a broad general education requirement which provides a foundation in learning, communication, and the development of critical thinking skills. In addition, students complete a required course specialization component to develop the learner's knowledge base in the area of hospitality tourism industry management; and students are able to broaden their understanding in both hospitality and tourism industry and other areas through a selection of free elective options.

The minimum requirements for the baccalaureate degree are as follows:

- completion of a minimum of 120 credits
- cumulative grade point ratio of 2.00
- cumulative grade point ratio of 2.00 in the upper-level courses completed at FDU
- upper-level credit courses: of the courses completed at FDU 24 credits (eight courses) must be upper-level
- a grade of C or better in all seven HRTM Specialization courses
- at least 30 credits, normally the last 30, must be completed at FDU
- residency requirement/time limit on degree completion as explained below

A transfer student may transfer credit achieved through either formal course work or through proficiency examination to the extent that the credits transferred do not circumvent existing university policy requiring a minimum of 30 credits in residence, including at least 50 percent of the credits required for upper-level course selections to be taken at Fairleigh Dickinson University.

Any course work completed more than ten years before the projected date of awarding the degree (including work for which credit is transferred from another college) shall be evaluated for its currency by the appropriate department. Where it is deemed appropriate, the department will recommend courses to familiarize the student with more recent developments.

Curriculum

The Bachelor of Arts in Individualized Studies degree is a 120-credit baccalaureate degree program.

General Education Requirements

1. Written and Oral Communication: 9 Credits
2. Information and Technological Literacy: 3 Credits
3. Ethical Reasoning: 3 credits
4. Global and Cultural Understanding: 6 credits
5. Scientific and Quantitative Analysis: 7 credits
6. Social and Behavioral Scientific Analysis: 6 credits
7. Inquiry in the Arts and Humanities: 6 credits
8. First Year Seminar courses: 2 credits
9. International Perspectives: 3 credits
10. Advanced Writing: 3 credits

Major Requirements

1. International Perspective & Advanced Writing Requirement: 6 Credits
2. Hospitality and Tourism Specialized Studies Requirements: 21 Credits
3. Electives: 41 Credits

- Hospitality/Tourism Electives: at least 22 Credits
- Business Electives remainder: 0 – 21 Credits

I. General Education Requirements (48 credits)

1. Written and Oral Communication (9 credits)

FDU graduates will demonstrate the ability to:

- Research and write documents that evaluate information and opinion in a logical and analytical manner using appropriate style, grammar, and mechanics.
- Prepare and deliver effective oral presentations using relevant technology and rhetorical style.

Written Communication (6 credits)

This requirement consists of six credits in College Writing (WRIT1002 and WRIT1003). Based on placement exam scores, some students may be required to complete developmental course(s) WRIT1000 and/or WRIT1001 (credits earned are placed in the free elective area) to achieve prerequisite skills before enrolling in WRIT1002.

Oral/Professional Communication (3 credits)

Select SPCH1155, COMM2099, or other approved course. Please consult with your academic advisor when selecting a course to fulfill this requirement.

2. Information and Technological Literacy (3 credits)

FDU graduates will demonstrate the ability to:

- Identify and parse information sources in a variety of physical, print, digital, and online formats.
- Use this collected information to conduct research and analyze data for professional purposes.
- Please consult with your academic advisor when selecting a course to fulfill this requirement.

3. Ethical Reasoning (3 credits)

FDU graduates will demonstrate the ability to:

- Identify ethical issues in case-based scenarios.
- Analyze and interpret the processes by which various claims are made and reliable conclusions may be reached.
  Please consult with your academic advisor when selecting a course to fulfill this requirement.

4. Global and Cultural Understanding (6 credits)

FDU graduates will demonstrate the ability to:

- Analyze global issues from multiple viewpoints with an understanding of why and how these issues matter and interconnect.
- Recognize, appreciate, and mediate cultural differences.

Cross Cultural Understanding (3 credits)

Select UNIV2001

Cultural Understanding (3 credits)

Select UNIV2002

5. Scientific and Quantitative Analysis (7 credits)

FDU graduates will demonstrate the ability to:

- Use the scientific method of inquiry to explain the nature of the scientific enterprise specific to one natural sciences discipline.
- Apply mathematical methods to analyze and interpret quantitative information in solving problems and making decisions within their professions.

Lab Science (4 credits)

Choose one four credit course with a mandatory lab component from the following disciplines Biology (BIOL), Chemistry (CHEM), Environmental Science (ENVR), Marine Biology (MBIO), or Physics (PHYS).

College Math (3 credits)

Please consult with your advisor about recommended and/or approved options for this category.

6. Social and Behavioral Scientific Analysis (6 credits)

FDU graduates will demonstrate ability to:

- Comprehend and analyze human behavioral actions.
- Comprehend and analyze social relationships within human society.
- Interpret information with an awareness of how data is presented and identify potential bias.

Social Science (3 credits)

Take 3 credits from the following disciplines: Anthropology (ANTH), Communication Studies (COMM), Economics (ECON), Environmental Studies (ENVS), Geography (GEOG), Government and Politics (GOVT), Sociology (SOCI), or Sustainability (SUST).

Behavioral Science (3 credits)

Take 3 credits from the following disciplines: Criminal Justice (CRIM), Criminology (CMLGY), or Psychology (PSYC).

7. Inquiry in the Arts and Humanities (7 credits)

FDU graduates will demonstrate ability to:

Identify, describe, and appreciate aesthetic, linguistic, and/or literary materials produced by human thought and imagination.

Conduct critical inquiry, analysis, and interpretation of these materials.

Creative and Expressive Arts (3 credits)

Choose one course from the following disciplines: Animation (ANIM), Animation Humanities (ANIMH), Art (ART), Art History (ARTH), Graphic Design (CGD), Graphic Design Humanities (CGDH), Cinema Studies (CINE), Creative Writing (CREW), Dance (DAN), Dance Humanities (DANH), Filmmaking (FILM), Music (MUSIC), Music Humanities (MUSIH), Theater (THEA), or Theater Humanities (THEAH).

Humanities (3 credits)

Choose one course from the following disciplines: African American Studies (AFAM), English (ENGL) History (HIST), Humanities (HUMN), Literature (LITS), Philosophy (PHIL), or Religion (RELI).

First Year Seminar courses (2 credits)

- UNIV1001 Transitioning to University Life (1 credit)
- UNIV1002 Preparing for Professional Life (1 credit)

Transfer students entering the University with 30 or more credits will be exempted from taking Transitioning to University Life (UNIV1001). Transfer students entering the University with 45 or more credits will be exempted from taking Preparing for Professional Life (UNIV1002).

II. Major Requirements (27 credits)

International Perspective – 3 credits (1 course)

Courses for this requirement may come from a variety of disciplines. Please consult with your academic advisor to discuss appropriate and acceptable Course options for this requirement.

Advanced Writing – 3 credits (1 course)

In our interconnected world, mastery of advanced writing skills is essential for success in both professional and academic settings. This course focuses on enhancing your ability to craft clear, persuasive, and impactful written content.

This requirement must be met with a writing-intensive course at the 2000 level or above.

Specialized Studies Core Courses: 21 Credits

The Bachelor of Arts in Individualized Studies, in addition to providing certain skills and broad exposure to the major bodies of knowledge, also allows the opportunity to pursue a single area of study in-depth or any other combination of courses that fit into an individualized cohesive course of study, including appropriate certificate programs. The Hospitality and Tourism Management specialization requires the following 7 core courses.

- HRTM2214   Sales and Marketing Management 3 credits
- HRTM2215   Deciphering Accounting in Hospitality Business 3 credits
- HRTM3200   Food & Business, Complexities, & Innovation 3 credits
- HRTM3217   Lodging Data Analytics 3 credits
- HRTM3218   Hotel Asset Management 3 credits
- HRTM3219   Managing Talent, Acquisition, Retention & Motivation 3 credits
- HRTM4205   Build and Manage Your Hotel 3 credits

Electives: 41 Credits

Students in the BAIS Hospitality and Tourism Management Specialization must take a minimum of 41 free elective credits. At least half of these free elective credits (21) must be taken in HRTM courses. The remainder may be from courses in any other area.

Elective options may include the following courses. Not all options are available every semester and the below list is not exhaustive:

- ACCT2021 – Accounting Principles 3 credits
- ACCT2022 – Intro to Managerial Accounting 3 credits
- BUSI2450 – Business Dynamics   3 credits
- ECON2001 – Intro to Microeconomics   3 credits
- MGMT1110 – Business in a Global Society 3 credits
- MGMT2261 – Human Motivation & Behavior 3 credits
- MGMT2600 – Organizational Behaviour 3 credits
- MGMT3371 – Concepts of International Mgmt 3 credits
- MKTG3371 – Principles of International Mktg 3 credits

- [MKTG4365](#) – Marketing Communications 3 credits
- [HRTM2228](#) – Exploring Wines of the World 3credit
- [HRTM2229](#) – Sensory Exploration and Evaluation Applied to Food and Beverages 3 credits
- [HRTM2250](#) – Casino Management 3 credits
- [HRTM2260](#) – Events Management 3 credits
- [HRTM3262](#) – Service Business in the Next Millennium 3 credits
- [HRTM4241](#) – Digital Platforms and Marketplaces 3 credits

ISHSTM Newsletters

International School of Hospitality, Sports, and Tourism Management Vancouver Campus Monthly Newsletters

2024
October 2024

September 2024

May-June 2024

April 2024

March 2024

February 2024

January 2024

2023
December 2023

November 2023

October 2023

September 2023

Individualized Studies BA (Vancouver)

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Program Highlights

The Bachelor of Arts in Individualized Studies degree is a baccalaureate degree program structured to meet the general educational needs of learners in the liberal arts. For students with previous post-secondary education, the program affords students the

opportunity to receive up to 90 transfer credits. **It is important to note, however, some transferred credits may not count toward degree requirements.** Students may choose to pursue a single- or double-specialization, allowing them in-depth study in an area related to their career aspirations. The result is a degree program that suits the needs of students who desire a broad education experience and/or possess traditional course work experience that can be equated with credit-bearing courses.

Students completing the requirements for the Bachelor of Arts in Individualized Studies degree will be required to demonstrate proficiency in a number of subject areas and related skills such as the following:

1. The use of basic intellectual tools, specifically to communicate effectively, both orally and in writing; to use mathematical reasoning; and to comprehend the nature, techniques, and limits of the humanities, natural or physical sciences and the social and behavioral sciences.
2. The ability to learn and apply learning to the graduate's career and life experience, requiring the capability to define problems; to use information resources such as libraries and computers; and to analyze, synthesize and integrate knowledge, perspectives and techniques.
3. An understanding of the historic and global context of events and achievements over time as treated in subjects such as history, the arts and the humanities. Mastery of a considerable body of knowledge in one subject area or a group of related subjects.

The BA in Individualized Studies is offered by the Maxwell Becton College of Arts and Sciences, at the Vancouver Campus, British Columbia, Canada.

Post Graduation Work Permit (PGWP) eligibility: Yes

For international students, if you submit your study permit application on or after November 1, 2024, you must also meet the new requirements that apply to your situation to be eligible to apply for a PGWP.

- If you graduate from a university bachelor's degree, master's degree or doctoral degree program:
    - Field of study requirement: All fields of study are eligible. There is no additional field of study requirement.

As a university, graduates from all current FDU Vancouver programs, including the Bachelor of Arts in Individualized Studies, are eligible to apply for PGWP. There is no field of study requirement.

Immigration, Refugees and Citizenship Canada regulations regarding PGWP are subject to change. Please visit the IRCC website for latest details.

BAIS Graduation Requirements

The Bachelor of Arts in Individualized Studies degree consists of 120 credits (40 courses) in multiple disciplines. 42 of those 120 credits must be taken at the 3000 level or above. These disciplines and the course requirements are described below.
The ability to use the English language orally and in writing, the ability to understand and use basic mathematical symbols, and the mastery of basic computer skills are required of all students in the Bachelor of Arts in Individualized Studies program.

I. General Education Requirements

1. Written and Oral Communication (9 credits)

FDU graduates will demonstrate the ability to:

- Research and write documents that evaluate information and opinion in a logical and analytical manner using appropriate style, grammar, and mechanics.
- Prepare and deliver effective oral presentations using relevant technology and rhetorical style.

Written Communication (6 credits)

This requirement consists of six credits in College Writing (WRIT1002 and WRIT1003). Based on placement exam scores, some students may be required to complete developmental course(s) WRIT1000 and/or WRIT1001 (credits earned are placed in the free elective area) to achieve prerequisite skills before enrolling in WRIT1002.

Oral/Professional Communication (3 credits)

Select SPCH1155, COMM2099, or other approved courses. Please consult with your academic advisor when selecting a course to fulfill this requirement.

2. Information and Technological Literacy (3 credits)

FDU graduates will demonstrate the ability to:

- Identify and parse information sources in a variety of physical, print, digital, and online formats.

- Use this collected information to conduct research and analyze data for professional purposes.
- Please consult with your academic advisor when selecting a course to fulfill this requirement.

3. Ethical Reasoning (3 credits)

FDU graduates will demonstrate the ability to:

- Identify ethical issues in case-based scenarios.
- Analyze and interpret the processes by which various claims are made and reliable conclusions may be reached.
  Please consult with your academic advisor when selecting a course to fulfill this requirement.

4. Global and Cultural Understanding (6 credits)

FDU graduates will demonstrate the ability to:

- Analyze global issues from multiple viewpoints with an understanding of why and how these issues matter and interconnect.
- Recognize, appreciate, and mediate cultural differences.

Cross Cultural Understanding (3 credits)

Select UNIV2001

Global Understanding (3 credits)

Select UNIV2002

5. Scientific and Quantitative Analysis (11 credits)

FDU graduates will demonstrate the ability to:

- Use the scientific method of inquiry to explain the nature of the scientific enterprise specific to one natural sciences discipline.
- Apply mathematical methods to analyze and interpret quantitative information in solving problems and making decisions within their professions.

Lab Science (8 credits)

Choose one four-credit course with a mandatory lab component from the following disciplines Biology (BIOL), Chemistry (CHEM), Environmental Science (ENVR), Marine Biology (MBIO), or Physics (PHYS).

College Math (3 credits)

Take 3 credits from among the following course options: MATH1101, MATH1105, MATH1107, MATH1126, MATH1128, MATH1201, or MATH1203. The course selected will depend on the home campus, Accuplacer test scores, and program of study. Those with placement scores below the standards for these courses must complete courses to improve prerequisite skills. These include MATH1000 and/or MATH1100 (credits placed in the free elective area).

6. Social and Behavioral Scientific Analysis (6 credits)

FDU graduates will demonstrate the ability to:

- Comprehend and analyze human behavioral actions.
- Comprehend and analyze social relationships within human society.
- Interpret information with an awareness of how data is presented and identify potential bias.

Social Science (3 credits)

Take 3 credits from the following disciplines: Anthropology (ANTH), Communication Studies (COMM), Economics (ECON), Environmental Studies (ENVS), Geography (GEOG), Government and Politics (GOVT), Sociology (SOCI), or Sustainability (SUST).

Behavioral Science (3 credits)

Take 3 credits from the following disciplines: Criminal Justice (CRIM), Criminology (CMLGY), or Psychology (PSYC).

7. Inquiry in the Arts and Humanities (12 credits)

FDU graduates will demonstrate ability to:

- Identify, describe, and appreciate aesthetic, linguistic, and/or literary materials produced by human thought and imagination.
- Conduct critical inquiry, analysis, and interpretation of these materials.

Creative and Expressive Arts (6 credits)

Choose one course from the following disciplines: Animation (ANIM), Animation Humanities (ANIMH), Art (ART), Art History (ARTH), Graphic Design (CGD), Graphic Design Humanities (CGDH), Cinema Studies (CINE), Creative Writing (CREW), Dance (DAN), Dance Humanities (DANH), Filmmaking (FILM), Music (MUSIC), Music Humanities (MUSIH), Theater (THEA), or Theater Humanities (THEAH).

Humanities (6 credits)

Choose one course from the following disciplines: African American Studies (AFAM), English (ENGL) History (HIST), Humanities (HUMN), Literature (LITS), Philosophy (PHIL), or Religion (RELI).

First Year Seminar courses (2 credits)

1. [UNIV1001](#) Transitioning to University Life (1 credit)
2. [UNIV1002](#) Preparing for Professional Life (1 credit)

Transfer students entering the University with 30 or more credits will be exempted from taking Transitioning to University Life ([UNIV1001](#)). Transfer students entering the University with 45 or more credits will be exempted from taking Preparing for Professional Life ([UNIV1002](#)).

II. Major Requirements (24 credits)

International Perspective – 3 credits (1 course)

Increasingly, economic, political and cultural interdependence define our global landscape. Being able to situate your values, belief and culture in this global context is essential.

This requirement may be met through one of a variety of designated courses from anthropology, business, economics, literature, fine arts, history, music, philosophy, political science or sociology.

Advanced Writing – 3 credits (1 course)

In our interconnected world, mastery of advanced writing skills is essential for success in both professional and academic settings. This course focuses on enhancing your ability to craft clear, persuasive, and impactful written content.

This requirement must be met with a writing-intensive course at the 2000 level or above.

III. Specialized Studies: 18 Credits

In addition to providing liberal arts skills and broad exposure to the major bodies of knowledge, the BA individualized studies program also allows students the opportunity to pursue a **single or double area of study in depth**. A minimum of 18 credits must be completed in each discipline or recognized specialization. Certain limitations apply, including a restriction on the number of courses offered by the Silberman College of Business that can be completed and applied toward the degree.

Specialization Areas(non-exclusive)

Applied Technology – suitable for students interested in pursuing careers in:

- Computer programming
- Software development
- Computer systems analyst
- Technological support
- Webmaster or maintenance

Business – suitable for students interested in pursuing careers in:

- Accounting/Finance
- Human resources
- Entrepreneurship
- Marketing
- Management

Communications – suitable for students interested in pursuing careers in:

- Business
- Marketing communications
- Public relations
- Digital media
- Training/Education

Hospitality & Tourism – suitable for students interested in pursuing careers in:

- Catering

- Events organization
- Tourism
- Hotel management
- Restaurant management

International Relations – suitable for students interested in pursuing careers in:

- Government
- Politics
- United Nations/Ambassadorship
- Non-governmental organizations
- International business

Humanities – suitable for students interested in pursuing careers in:

- Government
- Nonprofit organizations
- Teaching
- Media & technical writing
- Publishing & editing

IV. Free Electives (44 credits)

It is recommended that interdisciplinary electives be chosen to support the area of specialization.

BAIS Completion Requirements

[Back to Top](#)

Information Technology BS (Metro)

The Gildart Haase School of Computer Sciences and Engineering offers a Bachelor of Science (BS) in Information Technology (IT) program that provides students with the comprehensive knowledge, skills and training needed to pursue careers as IT professionals in one of the most dynamic areas of modern technology.

Program Claims

- Emphasizes the practical applications of information technology.
- The IT core courses emphasize user needs based system design, networking, and cybersecurity.
- The mathematics, science and programming courses provide students with a strong analytical and scientific foundation.
- Liberal arts courses prepare students to become global citizens.
- Oral and written communication skills are emphasized throughout the curriculum.
- Students can avail themselves of a cooperative education experience.
- Specialization in Web Development Technology and/or Network and System Administration and/or Security and Forensics is available.
- The BS in Information Technology degree program with a concentration in Security and Forensics fully meets the NSA and DHS CAE-CDE requirements.

Concentrations

The BS in Information Technology degree program allows students sufficient flexibility to concentrate in **Web Development Technology** and/or **Network and System Administration** and/or **Security and Forensics** or a second discipline of interest (a minor).

The National Security Agency (NSA) and the Department of Homeland Security (DHS) have designated Fairleigh Dickinson University as a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) through the academic year 2020. The BS in Information Technology degree program with a concentration in **Security and Forensics** fully meets the CAE-CDE requirements. Students completing this

concentration will help the information technology majors learn the use of cyber-defense techniques and tools in the systems, networks, and database administration tasks. It has the further strength of learning computer forensics from courses offered by the School of Criminal Justice, Political Science, and International Studies.

Degree Plan

1st Semester (14 credits)

- CSCI1105 Survey of Computers & Computer Software
- WRIT1002 Composition I: Rhetoric & Inquiry
- INFO1101 Computer Concepts & Technology
- MATH1105 College Algebra
- UNIV1001 Transitioning to University Life

2nd Semester (14 credits)

- WRIT1003 Composition II: Research & Argument
- INFO1201 Information Technology
- MATH1107 Pre-calculus
- UNIV1002 Preparing for Professional Life
- CGD1177 Introduction to Digital Media

3rd Semester (16 credits)

- EGTG2210 Technical Communication
- INFO2101 Computer Programming for Information Technologies I
- INFO2105 Internet & Web Applications
- Laboratory Science Elective
- UNIV2001 Cross-cultural Perspectives

4th Semester (16 credits)

- ENGR2286 Digital Systems Design
- INFO2102 Computer Programming for Information Technologies II
- INFO2106 Web Site Design and Management
- Laboratory Science Elective

- UNIV2002 Global Issues

5th Semester (15 credits)

- CSCI2234 Data Structures and Algorithms
- ENGR3000 Modern Tech: Principles Applications and Impact
- MATH2337 Applied Statistics I
- INFO3201 Human Computer Interface
- Minor or Concentration Course or IT elective (3 credits)

6th Semester (15 credits)

- CSCI3268 Database Systems
- INFO3205 Digital Media Publishing
- INFO4278 Operating systems or Minor or Concentration Course or IT elective
- CSCI3274 Linux Systems Administration
- UNIV2002 Global Issues

7th Semester (15 credits)

- EGTG4269 Management & Engineering Economics
- INFO4101 Data Communication & Computer Networks I
- MATH2255 Discrete Structures
- Minor or Concentration Course or IT elective OR INFO4844 Programming for the Internet (3 credits)
- Minor or concentration course or IT elective (3 credits)

8th Semester (15 credits)

- INFO4205 Capstone Project
- INFO4410 Foundations of Cybersecurity
- Minor or Concentration Course or IT elective
- Minor or Concentration Course or IT elective
- INFO4201 IT Needs, Assessment Mgmt

Information Technology Elective

Six credits must be selected from the Information Technology approved list of Technical Electives, which can be obtained from the School of Computer Sciences and Engineering. The courses must be approved by an academic advisor. Students can elect to participate in a cooperative educational experience and earn up to six credits.

Information Technology Concentrations

Students can select one of the two concentration areas—Web Development Technology or Network and System Administration. Web Development Technology requires students to take INFO4844: Programming for the Internet in their 7th semester and Network and System Administration requires students to enroll in INFO4278: Operating Systems in their 6th semester.

Minor or Concentration

Students must either concentrate in a particular area of information technology or undertake a minor other than information technology. Any concentration area or minor undertaken by the students must be approved first by an adviser. A minimum of 15 credits (from various department approved lists of courses) is required for an area of concentration or a minor.

Science Electives

Students are required to complete one full-year laboratory science sequence totaling eight (8) credits from the following courses:

- PHYS2101, PHYS2102 General Physics I & II and PHYS2201, PHYS2202 Physics Laboratory I & II
- CHEM1201, CHEM1202 General Chemistry I & II and CHEM1203, CHEM1204 General Chemistry Laboratory I & II
- BIOL1221, BIOL1222 Biological Diversity Lecture & Lab and BIOL1233 & BIOL1234 Molecules, Cells, & Genes Lecture & Lab

Security & Forensics Concentration

Required Concentration Courses (15 credits)

- CRIM2218 Computer Technologies and Cyber Crime
- CRIM3327 File System Forensic Analysis and Investigation
- CRIM4010 Computer Forensic, Software and Hardware Applications

- [CSCI2235](#) Survey of Computing Security
- [CSCI3783](#) Information Security

Web Development Technology Concentration

Required IT Elective Course (3 credits)

[INFO4844](#) Programming for the Internet

Network & System Administration Concentration

Required IT Elective Course (3 credits)

[INFO4278](#) Operating systems

Special Information

- The U.S. Bureau of Labor Statistics (BLS) projects an employment growth of higher than average 11 – 28 percent from 2016 to 2026.
- The Metropolitan Campus computer labs offer over 250 state-of- the art Internet-connected computing platforms with multiple operating systems (Windows, Linux, VMWare, etc.) for student use.
- Software packages for programming, multimedia applications, website design, database management, big data analytics, computer gaming, networking, and security are installed on the lab computers.
- Servers running Netlab+ allow students practice lab exercises virtually preparing for the CompTIA A+, Network+, Security+, Linux+ and other certifications.
- All requisite routers, switches, firewalls, servers, wireless access points, etc. and software pertaining to a CISCO Academy are available.
- Credit-card sized Beaglebone Black and Raspberry-PI computers are available for embedded systems programming and IoT development.
- Specialized workstations for digital forensics are available for forensic analysis.
- A Cybersecurity and Digital Forensics lab is under development.
- MSDN Academic Alliance program provides access to Microsoft software at no cost.

- Students pursuing the BSIT degree program with the Concentration in Security and Forensics are eligible to apply for the prestigious Department of Defense (DoD) Cyber Scholarship Program (CySP).
- The program is undergoing national accreditation by the Computing Accreditation Commission (CAC-ABET).

Professional Accreditation

The BS in Information Technology program is accredited by the Computing Accreditation Commission of ABET, www.abet.org.

Educational Objectives

The BS in Information Technology program will produce graduates who:

- Enter, advance, and lead in the profession of information technology, management information systems, business administration, or other related fields.
- Continue their education by obtaining professional certificates or advanced degrees in information technology, management information systems, business administration, or other related fields.
- Continue to conduct themselves as both responsible professionals and global citizens, who are aware of ethical issues and societal needs and problems.

Student Outcomes

The BS in Information Technology program has adopted the Student Outcomes of the Computing Accreditation Commission (CAC) of ABET as its own learning outcomes, which define the attributes, skills, and knowledge that the graduates are expected to possess upon or before graduation. Each Information Technology graduate will demonstrate the following attributes and achievements as required by the CAC of ABET by the time of graduation:

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.

- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals. [IT]

Career Opportunities

Information technology is credited with being a major factor in increased productivity and the driving force behind the new global economy. The U.S. Bureau of Labor Statistics (BLS) reports that computer support specialists held 565,700 jobs in 2008; computer network, systems and database administrators, 961,200 jobs. BLS also projects an employment growth of 14 percent for the former job category and 30 percent for the latter one from 2008 to 2018.

The two growth rates are higher than the average rate for all occupations. Other IT and computer-related jobs are expected to grow at a faster rate as well. The great demand for IT professionals, not only in the New York and New Jersey areas but throughout the country and the world, ensures graduates of strong employment opportunities following completion of the program.

Program Enrollment and Degree Data:

The official fall term enrollment figures (head count) of the BS in Information Technology program for the last five academic years and the number of degrees conferred during each of those years.

Academic Year		Enrollment Year				Total	Degrees Awarded
		1st	2nd	3rd	4th		
2018 -2019	FT	14	11	7	5	37	Not yet available
	PT	2	1	2	2	7	
2017 -2018	FT	9	8	12	5	34	11
	PT		1		1	2	
2016 -2017	FT	5	12	5	9	31	10

	PT			1	1	2	
2015 -2016	FT	9	12	8	5	34	10
	PT		1	1	2	4	
2014-2015	FT	11	9	3	6	29	8
	PT			1	1	2	

FT- full time, PT- part time

[Back to Top](#)

Information Technology BS (Vancouver)

Program Highlights

- Students in this program receive a dual degree: major in Information Technology and minor in Business Administration.
- The program serves as an ideal launch pad for a management career in any technology-oriented company that is heavily dependent upon Information Technology.
- Courses from different fields of engineering are included: Computer Hardware, Software Programming, Web Design, Database Design, Networking Analysis, Digital Design, and Cyber Security.
- Courses have embedded content for industry certifications like CompTIA A+, CompTIA Network+ and CompTIA Security+.

Program Objectives

The main objective of the BS in Information Technology is to produce graduates who:

1. Enter into and advance in the profession of information technology, management information systems, business administration, or other related fields.
2. Continue their education by obtaining professional certificates or advanced degrees in information technology, management information systems, business administration, or other related fields.
3. Continue to conduct themselves as both responsible professionals and global citizens, who are aware of ethical issues and societal needs and problems.

The program objectives define the skills, knowledge, and attributes that graduates are expected to possess three to four years following graduation, and they fulfill the needs of our several University constituencies, including alumni, students, the Industrial Advisory Committee, the faculty, and employers. These objectives are consistent with the mission of Fairleigh Dickinson University "to educate and prepare students as world citizens through global education."

Student Outcomes

The BS in Information Technology program has adopted the Student Outcomes of the Computing Accreditation Commission (CAC) of ABET as its own learning outcomes, which define the attributes, skills, and knowledge that the graduates are expected to possess upon or before graduation. Each Information Technology graduate will demonstrate the following attributes and achievements as required by the CAC of ABET by the time of graduation:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing- based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.

Career Paths

Graduates of Fairleigh Dickinson University's BS in Information Technology program are qualified IT professionals who are prepared for careers in a wide-range of IT-related areas, as follows:

- Computer networking
- Network and systems administration
- Website development and management
- Digital media design
- Management information systems (MIS)
- Database management
- Software development

Skills Acquired

- Software skills: JAVA language through courses like [INFO2101](#) and [INFO2102](#).
- Database design skills: ORACLE DBMS through the course [CSCI3268](#).
- Digital design skills: VHDL language through the course [ENGR2286](#).
- Web programming skills: XHTML, .NET, .ASP, .PHP through the course [INFO4844](#).
- Web site design skills: Adobe Illustrator, Dreamweaver, InDesign, Photoshop through the courses [CGD1177](#), [INFO2105](#), [INFO2106](#) and [INFO3205](#).
- Tools skills: Eclipse through the course [INFO2101](#) and [INFO2102](#).

Post Graduation Work Permit (PGWP) eligibility: Yes

For international students, if you submit your study permit application on or after November 1, 2024, you must also meet the new requirements that apply to your situation to be eligible to apply for a PGWP.

- If you graduate from a university bachelor's degree, master's degree or doctoral degree program:
    - Field of study requirement: All fields of study are eligible. There is no additional field of study requirement.

As a university, graduates from all current FDU Vancouver programs, including the Bachelor of Science in Information Technology, are eligible to apply for PGWP. There is no field of study requirement.

Immigration, Refugees and Citizenship Canada regulations regarding PGWP are subject to change. Please visit the IRCC website for latest details.

BSIT Graduation Requirements

Students in Bachelor of science in Information Technology program must complete a minimum of 122 credit hours of course work. The credit work is distributed as:

- IT Core Requirements — 60 credits
- Mathematics and Programming Requirements — 15 credits
- General Education Requirements — 17 credits
- Minor or Concentrations or Electives — 18 credits
- Science Requirements — 12 credits

Curriculum

Mathematics, Science, and Programming Requirements: 27 credits

- MATH2337 Applied Statistics
- MATH2255 Discrete Structures
- EGTG2201 Applied Calculus
- INFO2101 Computer Programming I for IT
- INFO2102 Computer Programming II for IT
- ENVR1101 Physical Geology (Lec)
- ENVR1102 Physical Geology (Lab)
- BIOL1105 The Human Environment (Lec)
- BIOL1115 The Human Environment (Lab)
- PHYS2101 General Physics 1 (Lec)
- PHYS2201 General Physics 1 (Lab)

Liberal Arts Requirements: 17 credits

- WRIT1002 Comp I: Rhetoric and Inquiry

- [WRIT1003](#) Comp II: Research and Argument
- [EGTG2210](#) Technical Communication
- [UNIV1001](#) Transitioning to University Life (1 credit)
- [UNIV1002](#) Preparing for Professional Life (1 credit)
- [UNIV2001](#) Cross Cultural Perspectives
- [UNIV2002](#) Global Issues

IT Core Requirements: 60 credits

* By completing the IT core requirements, students automatically fulfill the requirements for the Network & System Administration concentration ([CSCI4274](#), [INFO2101](#), [INFO4101](#), [INFO4201](#), [INFO4410](#), [INFO4278](#)) and the Web Development Technology concentration ([CGD1177](#), [INFO2105](#), [INFO2106](#), [INFO3201](#), [INFO3205](#), [INFO4844](#)).

- [CGD1177](#) Introduction to Digital Media
- [INFO1101](#) Computer Concepts & Technology
- [INFO2105](#) Internet & Web Applications
- [INFO2106](#) Web Site Design & Management
- [INFO3201](#) Human Computer Interface
- [INFO3205](#) Digital media Publishing
- [INFO4101](#) Data Communication & Computer Networks I
- [INFO4102](#) Data Communication & Computer Networks II
- [INFO4201](#) Info tech Needs & Assessment Management
- [INFO4205](#) IT Capstone Project
- [INFO4278](#) Operating Systems
- [INFO4410](#) Foundations of Cybersecurity
- [INFO4497](#) Internship in Information Technology
- [INFO4844](#) Programming for the Internet
- [CSCI2234](#) Data Structures and Algorithms
- [CSCI3268](#) Database Systems
- [CSCI3274](#) Linux System Administration
- [ENGR2286](#) Digital System Design
- [ENGR3000](#) Modern Tech: Principle, Application & Impact
- [ENGR4210](#) Management & Engineering Economics

Business Minor Requirements: 18 credits

- [ACCT2021](#) Introduction to Financial Accounting
- [ECON2001](#) Introduction to Microeconomics
- [MKTG2120](#) Principles of Marketing
- [MGMT2600](#) Organizational Behavior
- [FIN3250](#) Principles of Financial Analysis
- [LAW2276](#) Business and the Law

BSIT Completion Requirements

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[Back to Top](#)

Information Technology BS, Applied Computer Science MS: combined degree

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a five-year combined-degree program at the Vancouver Campus, Vancouver, British Columbia, Canada. It allows qualified students to obtain a Bachelor of Science (BS) in information technology and a Master of Science (MS) in applied computer science with a combined course load that is 9 credits less than that of the separate degrees, enabling students to save time and money. In particular, three graduate courses: [CSCI6623](#) Database Systems (3 credits), [CSCI6638](#) Operating Systems (3 credits) and [CSCI6844](#) Programming for the Internet (3 credits) or [CSCI7783](#) Information Security (but not both) when successfully completed under the combined-degree program, can be credited toward both the BS and MS degrees.

The program features an integrated **undergraduate business minor** and allows a **graduate specialization in either advanced computer programming or database administration**.

Students must register for this program upon completing at least 45 credits and must have achieved a cumulative grade point ratio (CGPR) of at least 2.75. A minimum of 122 credits is required for the BS in information technology, and a minimum of 143 of credits is required for the combined BS in information technology/MS in applied computer science degrees. In addition, for degree completion, the BS in information technology requires a minimum CGPR of 2.00 and the MS in applied computer science requires a minimum CGPR of 2.75.

Degree Plan

The total degree requirement for the combined degree program is 143 credits. The course distribution is provided below.

Information Technology Core Requirements (57 credits)

- [CGD1177](#) Introduction to Digital Media (3 credits)
- [CSCI2234](#) Data Structures and Algorithms (3 credits)>
- [CSCI6623](#) Database Systems (3 credits)
- [CSCI6638](#) Operating Systems (3 credits)
- [ENGR2286](#) Digital System Design (3 credits)
- [ENGR4210](#) Managerial and Engineering Economic Analysis (3 credits)
- [INFO1101](#) Computer Concepts and Technology (3 credits)
- [INFO1105](#) Software Application in Business and Technology (3 credits)
- [INFO1201](#) Information Technology (3 credits)
- [INFO2105](#) Internet and Web Applications (3 credits)<
- [INFO2106](#) Website Design and Management (3 credits)
- [INFO3201](#) Human Computer Interface (3 credits)
- [INFO3205](#) Digital Media Publishing (3 credits)
- [INFO4101](#) Data Communication and Computer Networks I (3 credits)
- [INFO4102](#) Data Communication and Computer Networks II (3 credits)
- [INFO4201](#) Information Technology Needs Assessment and Management (3 credits)
- [INFO4205](#) Information Technology Capstone Project (3 credits)

- INFO4410 Foundations of Cybersecurity or
  CSCI7783 Information Security (3 credits)
- INFO4844 Programming for the Internet or
  CSCI6844 Programming for the Internet (3 credits)

Mathematics and Programming Requirements (15 credits)

- EGTG2201 Applied Calculus I (3 credits)
- INFO2101 Computer Programming for Information Technologists I (3 credits)
- INFO2102 Computer Programming for Information Technologists II (3 credits)
- MATH2255 Discrete Structures (3 credits)
- MATH2337 Applied Statistics I (3 credits)>

Business Minor Requirements (18 credits)

- ACCT2021 Introductory Financial Accounting (3 credits)
- ECON2001 Introduction to Microeconomics (3 credits)
- FIN3250 Principles of Financial Analysis (3 credits)
- LAW2276 Business and the Law (3 credits)
- MGMT2600 Organizational Behavior (3 credits)
- MKTG2120 Principles of Marketing (3 credits)

Liberal Arts Requirements (9 credits)

- EGTG2210 Technical Communications (3 credits)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)
- WRIT1003 Composition II Research and Argument (3 credits)

Science Requirements (6 credits)

- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- Lab Elective (3 credits)

University Core Requirements (8 credits)

- [UNIV1001](#) Transitioning to University Life (1 credit)
- [UNIV1002](#) Preparing for Professional Life (1 credit)
- [UNIV2001](#) Cross Cultural Perspectives (3 credits)
- [UNIV2002](#) Global Issues (3 credits)

Free Electives (9 credits)

- Free Elective 1 (3 credits)
- Free Elective 2 (3 credits)
- Free Elective 3 (3 credits)
- Take [CSCI2247](#) Assembly Language Programming to fulfill a prerequisite for the MS in applied computer science program.<

Applied Computer Science Core Requirements (remaining 12 credits)

- [CSCI6620](#) Software Engineering (3 credits)
- [CSCI6806](#) Computer Science Graduate Capstone Project (3 credits)
- [CSCI6836](#) Computer Algorithms (3 credits)
- [CSCI7645](#) Systems Programming (3 credits)

Graduate Elective Courses (9 credits)

Students take 9 credits of graduate elective courses from one of the two specializations listed below. To pursue the advanced computer programming specialization, students must also complete [CSCI6844](#) Programming for the Internet (3 credits) during their undergraduate degree program. Likewise, to pursue the database administration specialization, they must complete [CSCI7783](#) Information Security (3 credits) instead of [CSCI6844](#).

Advanced Computer Programming Specialization Requirements (9 credits)

- [CSCI6617](#) Computer Game Programming (3 credits)
- [CSCI6809](#) Advanced Applications Development (3 credits)
- [CSCI7873](#) Shell Programming (3 credits)

Database Administration Specialization (9 credits)

- [CSCI6882](#) Data Warehouse and Data Mining (3 credits)
- [CSCI7741](#) Disaster Recovery (3 credits)
- [CSCI7781](#) Advanced Database Systems (3 credits)

For Information

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[Back to Top](#)

Information Technology BS, Computer Engineering MS: combined degree

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program that allows qualified students to obtain a Bachelor of Science (BS) in information technology (IT) and a with a pathway to the Master of Science (MS) in computer engineering. This 4 Plus 1 program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey. In particular, three graduate courses: [CSCI6623](#) Database Systems (3 credits), [CSCI6638](#) Operating Systems (3 credits) and [CSCI6731](#) Computer Networks (3 credits) when successfully completed under the 4 Plus 1 program, can be credited toward both the BS and MS degrees.

Students must have achieved a cumulative grade point ratio (CGPR) of at least 2.75. A minimum of 120 credits is required for the BS in information technology. In addition, for

degree completion, the BS in information technology degree requires a minimum CGPR of 2.00, while the MS in computer engineering degree requires a minimum CGPR of 2.75.

Professional Accreditation and Other Designation

The BS in information technology program is accredited by the Computing Accreditation Commission of ABET. This accreditation applies only to the BS in information technology program offered by the GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

Students completing the BS in information technology program with a concentration in security and forensics are eligible to receive a Certificate of Completion of a National Security Agency (NSA) and Department of Homeland Security (DHS)-designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA). CAE-CDE denotes the Center for Academic Excellence for Cyber Defense Education.

Cooperative Education Option

Students in the BS in information technology program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives.

Degree Plan

The total degree requirement for the combined degree program is 141 credits. The course distribution is provided below.

1st Semester (14 credits)

- CSCI1105 Survey of Computers and Computer Software (3 credits)
- INFO1101 Computer Concepts and Technology (3 credits)
- MATH1105 College Algebra (4 credits)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

2nd Semester (14 credits)

- CGD1177 Introduction to Digital Media (3 credits)
- INFO1201 Information Technology (3 credits)
- MATH1107 Precalculus (4 credits)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

3rd Semester (16 credits)

- EGTG2210 Technical Communications (3 credits)
- INFO2101 Computer Programming for Information Technologists I (3 credits)
- INFO2105 Internet and Web Applications (3 credits)
- UNIV2001 Cross Cultural Perspectives (3 credits)
- First course of the Laboratory Science Sequence Elective (4 credits)

Students are required to complete one full-year laboratory science sequence totaling 8 credits. They select the first course of the sequence from the following courses:

- BIOL1221 Biological Diversity Lecture (3 credits) and
  BIOL1222 Biological Diversity Lab (1 credit)
  or
- CHEM1201 General Chemistry I Lecture (3 credits) and
  CHEM1203 General Chemistry Laboratory (1 credit)
  or
- PHYS2101 General Physics I Lecture (3 credits) and
  PHYS2201 Physics I Laboratory (1 credit)

4th Semester (16 credits)

- CSCI2235 Survey of Computing Security (3 credits)
- EGTG2286 Digital System Design (3 credits)
- INFO2102 Computer Programming for Information Technologists II (3 credits)
- INFO2106 Website Design and Management (3 credits)
- Second course of the Laboratory Science Sequence Elective (4 credits)

Select the second course of the sequence in the same science discipline from the following courses:

- [BIOL1233](#) Molecules, Cells and Genes Lecture (3 credits) and [BIOL1234](#) Lab: Molecules, Cells and Genes (1 credit)
  or
- [CHEM1202](#) General Chemistry II Lecture (3 credits) and [CHEM1204](#) Lab: General Chemistry II (1 credit)
  or
- [PHYS2102](#) General Physics II Lecture (3 credits) and [PHYS2202](#) Physics II Laboratory (1 credit)

5th Semester (15 credits)

- [CSCI2234](#) Data Structures and Algorithms (3 credits)
- [EGTE2287](#) Microprocessor System Design I (3 credits)
- [ENGR3000](#) Modern Technologies: Principles, Applications and Impacts (3 credits)
- [MATH2337](#) Applied Statistics I (3 credits)
- Concentration or Minor or IT Elective Course (3 credits)

6th Semester (15 credits)

- [CSCI3274](#) Linux System Administration (3 credits)
- [CSCI6623](#) Database Systems (3 credits)
- [CSCI6638](#) Operating Systems (3 credits)
- [INFO3205](#) Digital Media Publishing (3 credits)
- [UNIV2002](#) Global Issues (3 credits)

7th Semester (15 credits)

- [CSCI6731](#) Computer Networks (3 credits)
- [EGTG4269](#) Management and Engineering Economics (3 credits)
- [INFO3201](#) Human Computer interface (3 credits)
- [INFO4844](#) Programming for the Internet or Concentration or Minor or IT Elective Course (3 credits)
- [MATH2255](#) Discrete Structures (3 credits)

8th Semester (15 credits)

- [INFO4201](#) Information Technology Needs Assessment and Management (3 credits)
- [INFO4205](#) Information Technology Capstone Project (3 credits)
- [INFO4410](#) Foundations of Cybersecurity (3 credits)
- Concentration or Minor or IT Elective Courses (6 credits)

Concentration or Minor or IT Elective Requirements (12 credits)

The program offers three in-demand concentration areas: **network and system administration**, **security and forensics** and **web-development technology**. Each concentration is 15 credits. The program also offers a 15-credit minor in computer forensics. The courses for the three concentrations are listed below.

Network and System Administration Concentration

- [CSCI3274](#) Linux System Administration (3 credits)
- [CSCI6638](#) Operating Systems (3 credits)
- [CSCI6731](#) Computer Networks (3 credits)
- [INFO2101](#) Computer Programming for Information Technologists I (3 credits)
- [INFO4410](#) Foundations of Cybersecurity (3 credits)

Security and Forensics Concentration

- [CRIM2218](#) Computer Technologies and Cyber Crime (3 credits)
- [CRIM3327](#) File System Forensic Analysis and Investigation (3 credits)
- [CRIM4010](#) Computer Forensic, Software and Hardware Applications (3 credits)
- [CSCI3783](#) Information Security (3 credits)
- [CSCI6638](#) Operating Systems (3 credits)

Web-development Technology Concentration

- [CGD1177](#) Introduction to Digital Media (3 credits)
- [INFO2105](#) Internet and Web Applications (3 credits)
- [INFO2106](#) Website Design and Management (3 credits)

- INFO3201 Human Computer Interface (3 credits)
- INFO4844 Programming for the Internet (3 credits)

All five required courses in the network and system administration are already included in the IT core requirements, so students automatically fulfill this concentration. Four out of the five courses in the web-development technology concentration are also included in the IT core requirements, so students just need to take INFO4844 Programming for the Internet (3 credits) to complete this concentration. Moreover, one of the five required courses in the security and forensics concentration is also part of the IT core requirements, so students must take the remaining four courses if they want to complete this concentration.

The 15-credit minor in computer forensics consists of 12 credits of four required courses and a 3-credit elective to be selected between two courses. Two of the required courses and one of the two elective courses are already included in the IT core requirements. Thus, IT majors only need to take the two remaining required courses, CRIM2218 Computer Technologies and Cyber Crime (3 credits) and CRIM3327 File System Forensic Analysis and Investigation (3 credits) in order to pursue the minor in computer forensics .

Students can do one of the following to complete the remaining four courses (12 credits):

- Take the remaining four courses in the security and forensics concentration to complete this concentration and the minor in computer forensics .
- Take INFO4844 Programming for the Internet to fulfill the web-development technology concentration and either
- Three 3-credit IT electives or
- CRIM2218 Computer Technologies and Cyber Crime and CRIM3327 File System Forensic Analysis and Investigation, the two remaining required courses — completing the minor in computer forensics — and one 3-credit IT elective course.
- Take CRIM2218 Computer Technologies and Cyber Crime and CRIM3327 File System Forensic Analysis and Investigation — completing the minor in computer forensics — and two 3-credit IT elective courses.
- Take four 3-credit IT electives.

Students must obtain prior approval from the GHSCSE academic adviser for any course selection. The required courses in the three concentrations are listed above. To take any course in the concentration, a student must meet all the prerequisites for that

course. They must complete 15 credits of the required courses in the concentration to be eligible for a certificate in that area.

Information Technology Electives

A list of recommended IT electives is provided below. Prerequisites for any courses selected must be met.

- COMM2215 Photoshop for Advertisement and Illustration (3 credits)
- COMM2648, COMM2649 Basic Video Editing Lecture and Laboratory (3 credits)
- CSCI3314 Mobile Application Development (3 credits)
- CSCI3317 Computer Game Programming (3 credits)
- CSCI3331 Advanced Database (3 credits)
- CSCI3345 Firewalls and Intrusion Detection Systems (3 credits)
- CSCI3380 UNIX Shell Programming (3 credits)
- CSCI3420 Cryptography (3 credits)
- CSCI3461 Data Mining and Applications
- CSCI3485 Big Data Analytics (3 credits)
- CSCI4380 Systems Development with Java (3 credits)
- EGTE3288 Microprocessor System Design II (3 credits)

For Information

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Information Technology BS, Computer Science MS: combined degree

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus1 program that allows qualified students to obtain a Bachelor of Science (BS) in information technology (IT) with a pathway to the Master of Science (MS) in computer science. In particular, three graduate courses: [CSCI6623](#) Database Systems (3 credits), [CSCI6638](#) Operating Systems (3 credits), and [CSCI6731](#) Computer Networks (3 credits), when successfully completed under the 4 Plus 1 program, can be credited toward both the BS and the MS degrees. Students can take one or more of the three concentrations: **network and system administration**, **security and forensics** and **web-development technology** in the BS in information technology program. This combined-degree program is offered by the GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

Students must have achieved a cumulative grade point ratio (CGPR) of at least 2.75. A minimum of 120 credits is required for the BS in information technology. In addition, for degree completion, the BS in information technology degree requires a minimum CGPR of 2.00, while the MS in computer science degree requires a minimum CGPR of 2.75.

Professional Accreditation and Other Designation

The BS in information technology program is accredited by the Computing Accreditation Commission of ABET- https://www.abet.org.

 This accreditation applies only to the BS in information technology program offered by the GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

Students completing the BS in information technology program with a concentration in security and forensics are eligible to receive a Certificate of Completion of a National Security Agency (NSA) and Department of Homeland Security (DHS)-designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA). CAE-CDE denotes the Center for Academic Excellence for Cyber Defense Education.

Cooperative Education Option

Students in the BS in information technology program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives

Scholarship – DoD CySP

Students pursuing the BSIT degree program with the Concentration in Security and Forensics are eligible to apply for the prestigious Department of Defense (DoD) Cyber Scholarship Program (CySP). Apart from paying for the full tuition and fees, the Cyber Scholars receive a lucrative $25,000 a year stipend until graduation, guaranteed paid summer internship at the DoD Agency and a job offer on graduation.

Degree Plan

1st Semester (14 credits)

- CSCI1105 Computers & Computer Software
- WRIT1002 Composition I: Rhetoric & Inquiry
- INFO1101 Computer Concepts & Tech
- MATH1105 College Algebra
- UNIV1001 Transitioning to University Life

2nd Semester (14 credits)

- CGD1177 Intro to Digital Media
- WRIT1003 Composition II: Research & Argument
- INFO1201 Information Technology
- MATH1107 Pre-calculus
- UNIV1002 Preparing for Professional Life

3rd Semester (16 credits)

- [EGTG2210](#) Technical Communication
- [INFO2101](#) Computer Programming for Information Technologists I
- [INFO2105](#) Internet & Web Applications
- [UNIV2001](#) Cross-cultural Perspectives
- Laboratory Science Elective: Students are required to complete one full-year laboratory science sequence totaling eight (8) credits from the following courses: [PHYS2101](#), [PHYS2102](#) General Physics I & II and [PHYS2201](#), [PHYS2202](#) Physics Laboratory I & II; [CHEM1201](#), [CHEM1202](#) General Chemistry I & II and [CHEM1203](#), [CHEM1204](#) General Chemistry Laboratory I & II; or [BIOL1251](#), [BIOL1252](#) General Biology I & II and [BIOL1253](#), [BIOL1254](#) General Biology Laboratory I & II.

4th Semester (16 credits)

- [ENGR2286](#) Digital Systems Design
- [INFO2102](#) for Information Technologists II (or)
- [INFO2106](#) Web Site Design & Management
- Laboratory Science Elective: See 3rd Semester
- [UNIV2002](#) Global Issues

5th Semester (15 credits)

- [CSCI2234](#) Data Structures and Algorithms
- [CSCI2247](#) Assembly Lang Programming (or)
- [EENG2287](#) Microprocessor System Design I
- [ENGR3000](#) Modern Technologies: Principles, Applications and Impacts
- [MATH2337](#) Applied Statistics I
- IT Technical Elective: Twelve credits must be selected from the approved list of Information Technology Technical Electives listed below. The courses must be approved by the GHSCSE Director or their designee. Students can elect to participate in a cooperative educational experience.

6th Semester (15 credits)

- [CSCI6623](#) Database Systems

- CSCI6638 Operating Systems
- INFO3201 Human Computer Interface
- INFO3205 Digital Media Publishing
- IT Technical Elective: See Semester 5.

7th Semester (18 credits)

- CSCI3274 Linux System Administration
- CSCI6603 Computer Architecture
- ENGR4210 Management & Engineering Economics
- INFO4101 Data Communication & Computer Networks I
- MATH2255 Discrete Structures
- IT Technical Elective: See Semester 5.

8th Semester (15 credits)

- INFO4201 IT Needs Assessment & Management
- INFO4205 Capstone Project
- INFO4410 Foundations on Cybersecurity
- INFO4844 Programming for Internet
- IT Technical Elective: See Semester 5

Technical Electives

Prerequisites must be fulfilled for any course(s) selected.

- CGD2255 Basics of Computer Animation
- CGD2274 Computer 3-Dimensional Modeling
- COMM2215 Photoshop for Advertisement and Illustration
- COMM2648/COMM2649 Basic Video Editing
- CSCI3251 Design of Software Systems
- CSCI3315 Mobile Application Development
- CSCI3317 Computer Game Programming
- CSCI3331 Advanced Database
- CSCI3338 Advanced Oracle SQL Performance and Tuning
- CSCI3345 Firewalls and Intrusion Detection Systems

- [CSCI3380](#) UNIX Shell Programming
- [CSCI3420](#) Cryptography
- [CSCI3461](#) Data Mining Applications
- [CSCI4373](#) Distributed Database Systems
- [CSCI4380](#) Systems Development with Java
- [EGTE3288](#) Microprocessor System Design II

Information Technology BS, Cybersecurity and Information Assurance MS: combined degree

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program that allows qualified students to obtain a Bachelor of Science (BS) in information technology (IT) and a with a pathway to the Master of Science (MS) in Cybersecurity and Information Assurance. This 4 Plus 1 program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey. In particular, three graduate courses: [CSCI6638](#) Operating Systems (3 credits), [CSCI6731](#) Computer Networks and [CSCI6738](#) Cybersecurity, when successfully completed under the 4 Plus 1 program, can be credited toward both the BS and MS degrees.

Students must have achieved a cumulative grade point ratio (CGPR) of at least 2.75. A minimum of 120 credits is required for the BS in information technology. In addition, for degree completion, the BS in information technology degree requires a minimum CGPR of 2.00, while the MS in computer engineering degree requires a minimum CGPR of 2.75.

Professional Accreditation and Other Designation

The BS in information technology program is accredited by the Computing Accreditation Commission of ABET (https://www.abet.org). This accreditation applies only to the BS in information technology program offered by the GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

Students completing the BS in information technology program with a concentration in security and forensics are eligible to receive a Certificate of Completion of a National Security Agency (NSA) and Department of Homeland Security (DHS)-designated CAE-CDE program of study from FDU's Center for Cybersecurity and Information Assurance (CCIA). CAE-CDE denotes the Center for Academic Excellence for Cyber Defense Education.

Cooperative Education Option

Students in the BS in information technology program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives.

Degree Plan

The total degree requirement for the combined degree program is 120 credits. The course distribution is provided below.

1st Semester (14 credits)

- CSCI1105 Survey of Computers and Computer Software (3 credits)
- INFO1101 Computer Concepts and Technology (3 credits)
- MATH1105 College Algebra (4 credits)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

2nd Semester (14 credits)

- CGD1177 Introduction to Digital Media (3 credits)
- INFO1201 Information Technology (3 credits)
- MATH1107 Precalculus (4 credits)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

3rd Semester (16 credits)

- EGTG2210 Technical Communications (3 credits)
- INFO2101 Computer Programming for Information Technologists I (3 credits)
- INFO2105 Internet and Web Applications (3 credits)
- UNIV2001 Cross Cultural Perspectives (3 credits)
- First course of the Laboratory Science Sequence Elective (4 credits)

Students are required to complete one full-year laboratory science sequence totaling 8 credits. They select the first course of the sequence from the following courses:

- BIOL1221 Biological Diversity Lecture (3 credits) and
  BIOL1222 Biological Diversity Lab (1 credit)
  or
- CHEM1201 General Chemistry I Lecture (3 credits) and
  CHEM1203 General Chemistry Laboratory (1 credit)
  or
- PHYS2101 General Physics I Lecture (3 credits) and
  PHYS2201 Physics I Laboratory (1 credit)

4th Semester (16 credits)

- CSCI2235 Survey of Computing Security (3 credits)
- EGTG2286 Digital System Design (3 credits)
- INFO2102 Computer Programming for Information Technologists II (3 credits)
- INFO2106 Website Design and Management (3 credits)
- Second course of the Laboratory Science Sequence Elective (4 credits)

Select the second course of the sequence in the same science discipline from the following courses:

- BIOL1233 Molecules, Cells and Genes Lecture (3 credits) and
  BIOL1234 Lab: Molecules, Cells and Genes (1 credit)
  or

- CHEM1202 General Chemistry II Lecture (3 credits) and
  CHEM1204 Lab: General Chemistry II (1 credit)
  or
- PHYS2102 General Physics II Lecture (3 credits) and
  PHYS2202 Physics II Laboratory (1 credit)

5th Semester (15 credits)

- CSCI2234 Data Structures and Algorithms (3 credits)
- CSCI2247 Assembly Language Programming (3 credits)
- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- MATH2337 Applied Statistics I (3 credits)
- Concentration or Minor or IT Elective Course (3 credits)

6th Semester (15 credits)

- CSCI3268 Database Systems (3 credits)
- CSCI3274 Linux System Administration (3 credits)
- CSCI6638 Operating Systems (3 credits)
- INFO3205 Digital Media Publishing (3 credits)
- UNIV2002 Global Issues (3 credits)

7th Semester (15 credits)

- CSCI6731 Computer Networks (3 credits)
- EGTG4269 Management and Engineering Economics (3 credits)
- INFO3201 Human Computer interface (3 credits)
- INFO4844 Programming for the Internet or
  Concentration or Minor or IT Elective Course (3 credits)
- MATH2255 Discrete Structures (3 credits)

8th Semester (15 credits)

- CSCI6738 Cybersecurity (3 credits)
- INFO4201 Information Technology Needs Assessment and Management (3 credits)

- INFO4205 Information Technology Capstone Project (3 credits)
- Concentration or Minor or IT Elective Courses (6 credits)

Concentration or Minor or IT Elective Requirements (12 credits)

The program offers three in-demand concentration areas: **network and system administration**, **security and forensics** and **web-development technology**. Each concentration is 15 credits. The program also offers a **minor in computer forensics**. The courses for the three concentrations and the minor are listed below.

Network and System Administration Concentration

- CSCI3274 Linux System Administration (3 credits)
- CSCI6638 Operating Systems (3 credits)
- CSCI6731 Computer Networks (3 credits)
- CSCI6738 Cybersecurity (3 credits)
- INFO2101 Computer Programming for Information Technologists I (3 credits)

Security and Forensics Concentration

- CRIM2218 Computer Technologies and Cyber Crime (3 credits)
- CRIM3327 File System Forensic Analysis and Investigation (3 credits)
- CRIM4010 Computer Forensic, Software and Hardware Applications (3 credits)
- CSCI3783 Information Security (3 credits)
- CSCI6638 Operating Systems (3 credits)

Web-development Technology Concentration

- CGD1177 Introduction to Digital Media (3 credits)
- INFO2105 Internet and Web Applications (3 credits)
- INFO2106 Website Design and Management (3 credits)
- INFO3201 Human Computer Interface (3 credits)
- INFO4844 Programming for the Internet (3 credits)

Computer Forensics Minor for Information Technology BS, Cybersecurity MS students

Required Courses (12 credits)

- [CRIM2218](#) Computer Technologies and Cyber Crime (3 credits)
- [CRIM3327](#) File System Forensic Analysis and Investigation (3 credits)
- [INFO1101](#) Computer Concepts and Technology (3 credits)
- [CSCI6731](#) Computer Networks

Elective Course (3 credits)

- [CRIM4010](#) Computer Forensic, Software and Hardware Applications (3 credits)
  or
  [CSCI6738](#) Cybersecurity (3 credits)

All five required courses in the network and system administration are already included in the IT core requirements, so students automatically fulfill this concentration. Four out of the five courses in the web-development technology concentration are also included in the IT core requirements, so students just need to take [INFO4844](#) Programming for the Internet (3 credits) to complete this concentration. Moreover, one of the five required courses in the security and forensics concentration is also part of the IT core requirements, so students must take the remaining four courses if they want to complete this concentration.

The 15-credit minor in computer forensics consists of 12 credits of four required courses and a 3-credit elective to be selected between two courses. Two of the required courses and one of the two elective courses are already included in the IT core requirements. Thus, IT majors only need to take the two remaining required courses, [CRIM2218](#) Computer Technologies and Cyber Crime (3 credits) and [CRIM3327](#) File System Forensic Analysis and Investigation (3 credits) in order to pursue the minor in computer forensics.

Students can do one of the following to complete the remaining four courses (12 credits):

- Take the remaining four courses in the security and forensics concentration to complete this concentration and the minor in computer forensics.
- Take [INFO4844](#) Programming for the Internet to fulfill the web-development technology concentration and either
- Three 3-credit IT electives or
  [CRIM2218](#) Computer Technologies and Cyber Crime and [CRIM3327](#) File System Forensic Analysis and Investigation, the two remaining required

courses — completing the minor in computer forensics — and one 3-credit IT elective course.

- Take [CRIM2218](#) Computer Technologies and Cyber Crime and [CRIM3327](#) File System Forensic Analysis and Investigation — completing the minor in computer forensics — and two 3-credit IT elective courses.
- Take four 3-credit IT electives.

Students must obtain prior approval from the GHSCSE academic adviser for any course selection. The required courses in the three concentrations are listed above. To take any course in the concentration, a student must meet all the prerequisites for that course. They must complete 15 credits of the required courses in the concentration to be eligible for a certificate in that area.

Information Technology Electives

A list of recommended IT electives is provided below. Prerequisites for any courses selected must be met.

- [COMM2215](#) Photoshop for Advertisement and Illustration (3 credits)
- [COMM2648](#), [COMM2649](#) Basic Video Editing Lecture and Laboratory (3 credits)
- [CSCI3314](#) Mobile Application Development (3 credits)
- [CSCI3317](#) Computer Game Programming (3 credits)
- [CSCI3331](#) Advanced Database (3 credits)
- [CSCI3345](#) Firewalls and Intrusion Detection Systems (3 credits)
- [CSCI3380](#) UNIX Shell Programming (3 credits)
- [CSCI3420](#) Cryptography (3 credits)
- [CSCI3461](#) Data Mining and Applications
- [CSCI3485](#) Big Data Analytics (3 credits)
- [CSCI4380](#) Systems Development with Java (3 credits)
- [EGTE3288](#) Microprocessor System Design II (3 credits)

For Information

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Program Coordinator

Kalyan Mondal, Director of Center for Cybersecurity and Information Assurance,
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Latino Promise Program®

Academic Success for Latino Students

Whether you're planning to pursue an associate or bachelor's degree, Fairleigh Dickinson University's **Latino Promise Program** offers you personalized support and resources for academic success. We also connect you to FDU's growing and dynamic Latino community.

Since the Latino Promise began in 2007, hundreds of FDU Latino graduates have gone on to pursue graduate degrees and make their mark in professions like business, education, law, medicine, science, and communications.

FDU is a member of the Hispanic Association of Colleges and Universities (HACU).

Here are four ways the Latino Promise Program can make a difference for you:

Personalized Learning: Our classes are deliberately small for maximum learning — but you'll have access to all of FDU's resources as a major, nationally ranked university. We provide one-on-one advising, tutoring and counseling, career development support, Latino leadership opportunities and much more!

People and Resources: You will study with and be supported by bilingual professors and staff members who are committed to helping you the right major, take the best courses, and receive the support to succeed academically and personally at FDU.

Access and Affordability: FDU is ranked among the nation's Best Colleges for Your Money by Money magazine and ranked a Best Value College in the North by U.S. News and World Report (along with distinctions in five more categories!).

We Support Your Family, Too: Our bilingual financial aid workshops, "College Knowledge" sessions for parents and guardians, and other programs help make your path to college a smooth one.

What You Need to Know

Pathways to Your Degree
Latino Promise students may pursue a two-year, 60-credit Associate of Arts or Associate of Science degree, studying on FDU's Metropolitan Campus in Teaneck. Graduates can go on to earn a baccalaureate degree through FDU's Bachelor of Arts Degree Completion Program.

FDU's four-year, 120-credit bachelor's degree offers more than 60 academic majors in allied health and nursing, business, education, engineering, computer science, hotel and restaurant

management, and the liberal arts and sciences. Students enrolled in this program can live on campus in residence halls or commute to the University from home.

Latino Promise or HACER?
Latino Promise and HACER are sister programs, both designed for Latino students to receive a personalized approach to higher education. Latino Promise is for students

with English fluency while HACER is for English language learners and includes free ESL courses.

Admissions Requirements
To apply to Latino Promise, students need to submit:

- Completed application
- Official high school and/or college transcripts (for transfer students)

Letters of recommendation and standardized test scores like SAT or ACT are optional.

There is no application fee, and we have rolling admissions. Applying early is encouraged.

Information for School Counselors
At Latino Promise, we understand and appreciate how hard school counselors, teachers, and school administrators work to guide students through the college application process. We would like to aid in making that process smoother. To that end, we offer high schools the following:

- Presentation and On-site, which include presentations at high schools and instant decision during our on-site interviews.
- School Counselor Workshop and Luncheon to assist school counselors, teachers, and administrators a deeper understanding of the issues facing Latinos today, including social and financial obstacles that many students and their families must overcome to ensure academic success at the college level.
- Experience a Day At Latino Promise is an invitation to spend the day at FDU to learn what the life of a Latino Promise student is like.
- Bilingual Financial Aid Workshop for Latino students and their families to assist through the complex federal and state financial aid processes. These are done at the campus or can be done at the high school.
- Latino Promise Summer Program is a two-week intensive workshop to prepare students for their first year in college.

"Latino Promise has given my students the opportunity to be successful in college by offering them small personalized classes while giving personalized attention. Not only have these students earned their associate's degrees, but they took the skills and confidence learned with Latino Promise to earn their bachelor's and master's degrees and currently have successful careers in their fields."

FDU's Latino Promise and HACER programs have been named finalists for the 2022 Examples of Excelencia by Excelencia in Education.

Contact Information

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Liberal Arts AA

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The Associate of Arts (AA) in Liberal Arts degree is a 60-credit, undergraduate degree available at both the Metropolitan Campus in Teaneck and Florham Campus in Madison, as well as entirely online. The AA degree is ideally suited to students, including adult learners, with little or no previous college credit. The program offers a timely and cost-effective way to earn an associate's degree either as a terminal degree or as a stepping-stone to a bachelor's degree.

Program Highlights

- Offered fully online, as well as on-campus.
- Tuition for the AA program is discounted, with additional aid available from the Office of Veterans Services to eligible students.
- Rolling admissions and convenient year-round scheduling with online 8- and 10-week course options available.
- Students may transfer up to 30 credits of the 60 credit AA degree. Credits from other 2- and 4-year institutions, standardized exams (e.g. CLEP, TECEP, DANTES) will be considered, along with military/professional training evaluated by American Council on Education (ACE).
- Seamless transition to FDU's bachelor of arts degree completion program
- One-on-one support is available in the form of in-person and online tutoring.

Admissions Requirements

- There is no fee to apply
- Proof of a high school diploma (official transcript) or GED
- Official transcripts from all previously attended colleges or universities (if applicable)
- No SAT or ACT scores required

The AA is designed for those with few (up to 30) or no transfer credits and can eventually roll directly into the Bachelor of Arts Degree Completion Program.

Degree Requirements

The minimum requirements for the Associate of Arts in Liberal Arts degree are:

- Completion of 60 credits of acceptable college work; up to 64 credits can be earned in the AA program prior to transferring to an upper-division program.
- A cumulative grade point average of 2.00;
- Completion of 30 credits (normally the last 30) taken at FDU.

Curriculum

- Written and Oral Communication (6 credits)
    - WRIT1002 Composition I: Rhetoric and Inquiry
    - WRIT1003 Composition II: Research and Argument

- Technological and Information Literacy (3 credits)
- Global and Cultural Understanding (6 credits)
    - [UNIV2001](#) or approved substitution
    - [UNIV2002](#) or approved substitution

- Scientific and Quantitative Analysis (6 credits)
    - Science (3 credits)
    - College Math (3 credits)

- Social & Behavioral Scientific Analysis (6 credits)
    - Social Science (3 credits)
    - Behavioral Science (3 credits)

- Inquiry into the Arts & Humanities (18 credits)
    - With at least one course in each of the following:
        - Creative and Expressive Arts
        - History
        - Literature
        - Philosophy

- Free Electives (15 credits)

Contact Information

Jeffrey Teller, Director, Adult Online Education and Degree Completion
jteller@fdu.edu
201-692-7348

Contact Information

Irene Oujo, Executive Director, Hispanic Center
oujo@fdu.edu
201-692-2019

Liberal Arts AA: HACER (Titulo Asociado en Artes Liberales)

El siguiente texto se presenta primero en español y luego se repite en inglés. The text is presented first in Spanish and repeated below in English.

En Español

"Mi experiencia en HACER fue muy emocionante. Los profesores son muy dedicados en su trabajo y están dispuestos a ayudar a los estudiantes en todo lo que puedan. Aprendí muchas cosas nuevas y obtuve nuevas experiencias que me servirán en el futuro. Lo que más me gustaba de estar en HACER era mi clase de ESL. Aprendí muchas cosas con mi profesor que mejoraron mi inglés de muchas maneras ".

– Nicole Ortiz, HACER, 2019

El programa HACER de FDU (Hispanics Achieving College Education Recognition) ofrece a los estudiantes la oportunidad de aprender inglés con cursos gratuitos de ESL y de obtener créditos universitarios en el Metropolitan Campus de FDU en Teaneck. Al igual que otros programas de FDU que sirven a estudiantes latinos, HACER ofrece un enfoque personalizado a la educación universitaria para estudiantes de secundaria en busca de un título de asociado o licenciatura. Con el apoyo de un personal bilingüe y profesores comprometidos con el éxito de sus estudiantes, los estudiantes de HACER disfrutan de un programa adaptado a sus necesidades individuales mientras se benefician de los recursos de una gran universidad privada.

Aspectos a Destacar

- *Apoyo pre-universitario en el proceso de admisión*
- *Profesores y personal dedicado.*
- *Talleres bilingües de ayuda financiera*

- *Entrenamiento de liderazgo*
- *Excursiones educacionales*
- *Vida cultural vibrante en el campus*

Lo Que Necesitas Saber

Requisitos de Admisión

Para la admisión a HACER, los estudiantes deben presentar lo siguiente:

- *Completar solicitud (www.fdu.edu/hacer)*
- *Transcripciones oficiales de la escuela secundaria (y transcripciones de la universidad si corresponde)*

No hay tarifa de solicitud para los solicitantes al programa HACER. Las solicitudes se aceptan continuamente, pero se recomienda que aplique lo más pronto posible.

Opciones de Estudios

El Asociado de Artes de FDU es un programa de dos años y 60 créditos diseñado para estudiantes universitarios obtener un título universitario en un entorno de aprendizaje bilingüe y de apoyo. Los estudiantes reciben admisión en el programa de licenciatura de FDU al completar con éxito el título de asociado. Los estudiantes que aún necesitan apoyo de ESL después de obtener su título de Asociado tienen la opción de transferirse a Puerta Al Futuro, otro de los programas de licenciatura de FDU que se especializa en abordar las necesidades de los estudiantes bilingües que obtienen su título.

La licenciatura de cuatro años y 120 créditos deFDU ofrece más de 60 especializaciones académicas en salud y enfermería, negocios, educación, ingeniería, informática, administración de hoteles y restaurantes, y artes liberales y ciencias. Los estudiantes inscritos en este programa pueden vivir en el campus en residencias estudiantiles o viajar a la Universidad desde su hogar.

Programas Latino Promise y HACER

HACER y Latino Promise son programas hermanos, ambos diseñados para que los estudiantes hispanos reciban un enfoque personalizado en su educación universitaria. HACER es para estudiantes bilingüe e incluye cursos gratuitos de ESL, mientras que Latino Promise es para estudiantes que ingresan a FDU con fluidez en inglés.

FDU es miembro de Hispanic Association of Colleges and Universities (HACU).

Resultados de aprendizaje de los programas
Cada programa universitario ha identificado medidas de resultados que indican si los estudiantes tienen éxito en cumplir con los resultados específicos del programa. Las siguientes son medidas de resultado que serán evaluadas por el Hispanic Center y el Becton College of Arts and Sciences:

- ○ ***Comunicación:*** *en forma oral y escrita.*
- ○ ***Pensamiento crítico:*** *para comprender y resolver problemas.*
- ○ ***Comprensión analítica:*** *comprensión de herramientas y principios matemáticos básicos.*
- ○ ***Liderazgo:*** *conocimiento de habilidades fundamentales de liderazgo en situaciones personales y profesionales.*
- ○ ***ESL:*** *Un graduado de FDU demostrará dominio de las habilidades del idioma inglés.*

Program Information in English

"My experience in HACER was very exciting. The teachers are very dedicated in their work and willing to help students in any way they can. I learned many new things and gained new experiences that will serve me in the future. My favorite thing about being in HACER was my ESL class. I learned a lot of things with my professor that improved my English in many ways."

– Nicole Ortiz, HACER, 2019

FDU's HACER Program (Hispanics Achieving College Education Recognition) offers native Spanish speakers the opportunity to learn English with free ESL courses and to earn college credits on FDU's Metropolitan Campus in Teaneck. As with FDU's other programs that serve Latino students, HACER provides a personalized approach to higher education for high school students in pursuit of an Associate's or Bachelor's degree. With the support of a bilingual staff and professors who are committed to their students' success, HACER students enjoy a small program tailored to their individual needs while benefiting from the vast resources of a large, private university.

Program Highlights

- Pre-College support with transition specialists guiding students through the admissions process
- Dedicated faculty and staff providing personalized academic advisement and mentorship ensuring student success
- Bilingual financial aid workshops to navigate complex federal and state financial aid processes and receive maximum aid
- Leadership training in which students to meet Latino leaders in business and the community
- Field trips to storied institutions such as the New York Stock Exchange; New Jersey State Assembly and Governor's Mansion; the United Nations; Washington, DC; and much more
- Vibrant cultural life on campus with the option to live in residence halls at our Metropolitan Campus in Teaneck, NJ

What You Need to Know

Admissions Requirements
For admission to HACER, students should submit the following:

- Completed application
- Official high school transcripts (and college transcripts if applicable

There is no application fee for applicants to the Associate of Arts degree program. Applications are accepted on a rolling admissions basis, but applying early is encouraged.

Degree Paths
FDU's Associate of Arts is a two-year, 60-credit program designed for college students to pursue a college degree in a bilingual, supportive learning environment. Students are offered admission into FDU's baccalaureate program upon successful completion of their associate's degree. Students who still need ESL support after they earn their Associate's degree have the option of transferring into Puerta Al Futuro, another of FDU's Bachelor's degree programs that specializes in addressing the needs of bilingual students earning their degree.

FDU's four-year, 120-credit Bachelor of Arts Degree offers more than 60 academic majors in allied health and nursing, business, education, engineering, computer science, hotel and restaurant management, and the liberal arts and sciences. Students

enrolled in this program can live on campus in residence halls or commute to the University from home.

HACER vs. Latino Promise Program

HACER and Latino Promise are sister programs, both designed for Hispanic students to receive a personalized approach to higher education. HACER is for English language learners and includes free ESL courses, while Latino Promise is for students entering FDU with English fluency.

FDU is a member of the Hispanic Association of Colleges and Universities (HACU).

Program Learning Outcomes

Each college program has identified outcome measures that indicate whether students are successful in meeting the specific outcomes for the program. The following are outcome measures that will be assessed by the Hispanic Center and the Becton College of Arts and Sciences for HACER students:

- **Communication**: to effectively communicate in oral and written form.
- **Critical Thinking**: to understand and solve problems from a variety of perspectives.
- **Analytic Understanding**: to understand basic mathematical tools and principles.
- **Leadership**: to be applied in personal and professional situations.
- **ESL**: become proficient in English language skills.

For School Counselors

We understand and appreciate how hard school counselors, teachers, and school administrators work to guide students through the college application process. We would like to aid in making that process smoother. To that end, we offer high schools the following:

- Presentation and On-site, which include presentations at high schools and instant decision during our on-site interviews.
- School Counselor Workshop and Luncheon to assist school counselors, teachers, and administrators a deeper understanding of the issues facing Latinos today, including social and financial obstacles that many students

and their families must overcome to ensure academic success at the college level.

- Experience a Day At HACER is an invitation to spend the day at FDU to learn what the life of a Latino Promise student is like.
- Bilingual Financial Aid Workshop for Latino students and their families to assist through the complex federal and state financial aid processes. These are done at the campus or can be done at the high school.
- HACER Summer Program is a two-week intensive workshop to prepare students for their first year in college.

Administration and Staff

HACER is led by a group of highly talented and motivated individuals who are passionate about ensuring that Latino students have the opportunity to reach their full potential at the college level:

- Teodoro Llallire, Director Hispanic Center, llallire@fdu.edu
- Hernando Rivera, Associate Director Latino Promise and HACER Programs, riverah@fdu.edu
- Ruth Soto, Administrative Assistant, rnsoto@fdu.edu
- Israel Delgado, Recruiter and Retention Specialist, israel@fdu.edu

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Literature BA

Perhaps the most important skills that the study of literature teaches are analytic and synthetic skills. In learning to read carefully and analytically, we learn to ask hard questions both of the work and of ourselves. And as we seek to discover the relationships between the ideas and images we uncover in a work, our ultimate goal is to see the whole — to see how the parts work together to make the piece what it is. In grappling with the complex and difficult ideas contained in literature, we learn to accept the multiple dimensions and ambiguity that are so often present in life.

Finally, the study of literature will also help develop our writing abilities as we come to value the written word and understand its power to communicate.

Program Learning Outcomes

At the conclusion of this program, graduates will be able to:

- Identify and describe formal, rhetorical, and aesthetic features of texts, and apply this understanding through "close reading" and cognate forms of literary reading.
- Produce engaging writing with the formal features and academic rigor expected in the field of literary studies. ("Formal features" include thesis, documentation of sources, discipline-specific terminology, evidence of sufficient revision and editing with an academic audience in mind. "Academic rigor" includes judicious selection of appropriate primary and/or secondary sources, explication of source material.)
- situate texts in space and time; analyze texts and authors in a way that demonstrates understanding of how they function in historical, social,

cultural,
political, philosophical, and other relevant contexts (including reception history,
movements, times, and genres), and an ethically aware engagement with issues of
human and nonhuman diversity.

- Demonstrate advanced writing skills, sustained argument, and use of appropriate literary sources.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Qualified students may complete part of their undergraduate degree requirements at Wroxton College in England.

Required Major Courses (18 credits)

- [LITS1100](#) Introduction to Literary Analysis
- [LITS4001](#) Senior Seminar

Choose 1 from each pair below, plus one additional (4 courses total)

- [LITS2101](#) British & European Literature I
- [LITS2102](#) British & European Literature II
- [LITS2201](#) World Literature I
- [LITS2202](#) World Literature II
- [LITS2301](#) American Literature I
- [LITS2302](#) American Literature II

Elective courses (21 credits)

At most, one 1000-level course can be counted here. HUMN or LANG courses may be appropriate to substitute with permission.

Minor is optional. Additional 15 credits of free electives will need to be taken in lieu of a minor.

QUEST/MAT Options

- BA, Literature/Quest/Preschool-Grade 3
- BA, Literature/Quest/Elementary Education
- BA, Literature/Quest/Secondary Education
- BA, Literature/Quest/Preschool-Grade 3 – TSD
- BA, Literature/Quest/Secondary Education – TSD
- BA, Literature/Quest/Elementary Special Education
- BA, Literature/Quest/English as a Second Language
- BA, Literature/Quest/Elementary Education/ESL
- BA, Literature/Quest/Secondary Education/ESL

The Degree Plan for QUEST is the same as above, except that instead of 21 credits of literature electives, the requirement is 15 credits of electives, plus:

- [LITS3311](#) Children's Literature (for Elementary Education) or one course on Shakespeare (for Secondary Education)
- [LITS2030](#) English Grammar, or [LITS2031](#) The English Language

Careers

Chances are, if you are an Literature major or if you have thought of becoming one, you've been asked, "So you want to teach?" While it is true that some Literature majors do end up becoming teachers and professors, the English degree is dynamic. By honing their communicative, creative, critical, and expressive skills, Literature majors are well-suited to pursue a wide variety of careers not just in the classroom, but also in business, politics, creative arts, and even sciences.

[Back to Top](#)

Management BS

The major in management is designed for students who wish to develop the interpersonal and management skills they can use starting with their first professional job, as well as developing a long-term perspective and value system which will serve them their entire careers.

Management department course offerings emphasize:

- An approach to classroom instruction that engages the student in the learning process
- Concentration on knowledge and skill sets that are practical and useable
- A global perspective that emphasizes ethics and long-term sustainable business practices
- The use of team-based teaching and learning

It is our goal that our management majors will:

- Receive solid conceptual grounding in management disciplines
- Develop competencies to become highly effective individually and with others
- Develop and demonstrate these competencies with hands-on learning, including work on real-world projects and service to the community
- Undergo rigorous assessment of their overall accomplishments
- Enter a fast track to successful and rewarding careers

Career and Internship Opportunities

- Our students concentrating in human resources have received great internship opportunities at Johnson & Johnson, Colgate-Palmolive, Pfizer, Bristol-Myers Squibb, Hilton Hotels, Movado Watches, Enterprise Rent-a-Car, and more
- Our recent human resources graduates have great human resources careers at Ralph Lauren, Dun & Bradstreet, Mars Chocolate, NBC Universal, MetLife, Wyndham, Celgene, Bloomberg, and more

- Our students concentrating in leadership intern and are employed in a wide variety of fields and organizations including Sony, Barclays, Merrill Lynch, Novartis, Goldman Sachs, Remx Staffing. U.S. Sports Institute, Prudential, PSEG, Urban League, Xerox and more

Degree Requirements

Students pursuing a BS in management will be required to choose a concentration in either human resources management or leadership. To attain a BS in management, students must take four required management courses in addition to three courses from either concentration.

All students enrolled in the Bachelor of Science Degree program must complete the University and Business Core Curriculum in addition to the major requirements listed below. Any student interested in pursuing a minor should refer to the list of minors offered at the Silberman College of Business. Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Required Management Courses

- [MGMT3100](#) Managerial Ethics
- [MGMT3371](#) International Management
- [MGMT3610](#) Leading Teams
- [MGMT3700](#) Human Resources Management

Leadership Concentration

Elevate your career

Leadership skills are **important in any industry.**

- Teamwork is the **number one skill employers want** (Forbes)
- Tech-related organizations are almost **twice as likely** to prioritize collaboration skills (Forbes)
- Teamwork and project management skills **are essential to job mobility and success** (Business-Higher Education Forum)
- Leadership skills are essential for career advancement-Lack of leadership skills is the most common reason why executives derail (Center for Creative Leadership)

- Motivate teams to develop innovative solutions.
- Lead teams to become more effective.
- Create blueprints for successful project using your project management skills.
- A major or minor in Leadership can bring your vision to life. Our Leadership program can help you get there.

A degree in management with a concentration in leadership provides fun, hands-on leadership skill training including project management experience and personal leadership development led by some of Silberman's best faculty. We offer a minor in Leadership for both Silberman College of Business students and those in other FDU colleges.

Required Leadership Course

- [MGMT4640](#) Managing Projects and Organizations

Select two of the following leadership courses

- [MGMT3620](#) Leadership and Personal Development
- [MGMT3400](#) Managing Sustainability in the Global Context
- [MGMT3941](#) Internship in Management

Human Resource Management Concentration

Imagine working in a field that is growing, in-demand, and is something every company in every industry needs.

- Glassdoor lists Human Resources Manager the #6 Best Job in the US, based on earnings and career advancement
- Entry-level human resources professionals earn above-average starting salaries, about $64,000, with fast salary growth (Salary.com)
- The demand for human resources management specialists is expected to grow 20 – 28% over the next decade (Bureau of Labor Statistics)

Imagine going to work every day with the chance to hire people, develop their skills, and design cutting-edge training, compensation and evaluation plans. Imagine working as a trusted advisor to business units and top management, designing programs to both increase productivity and enhance employees' work experiences.

Imagine being able to use your communication, creativity, problem-solving and leadership skills.

Pursuing a career in human resources management can make these a reality. Our human resources management program can help you get there. The program is a fun, challenging, practical project-based learning led by some of Silberman's best faculty complemented by a team of human resources professionals.

- Our human resources students are personally connected with professional human resources mentors from our executive and young alumni advisory boards who also visit class and find opportunities for students. Board members work at such companies as BASF, Novartis, ADP and Michael Kors. We have our own LinkedIn group for students, alumni, and mentors.
- All human resources juniors and seniors receive a complimentary student membership in The Society for Human Resource Management (SHRM) – the world's leading professional organization for human resources, providing access to exclusive seminars, networking opportunities and career search resources.
- All human resources graduates receive complimentary prep materials for the aPHR certification exam – an important credential for early career human resources professionals.

Human Resources Required Courses

- MGMT3710 Strategic Staffing
- MGMT3730 Promoting Employee Engagement and Wellness
- MGMT4730 Strategic Human Resource Management

The MGMT4941 Internship in Human Resources course may be used as a substitute for either MGMT3710 or MGMT3730.

Back to Top

Marine Biology BS

The marine biology curriculum fulfills basic requirements for admission into graduate and professional schools. It also may serve as a terminal degree, with which to enter the job market. The program includes a laboratory field experience. To participate in any field experience, a student must have earned a 2.25 in biology course work and be in good academic standing.

Admission requirements

For matriculation in the marine biology curriculum, successful completion of secondary school courses in elementary algebra and plane geometry and a year of sciences are required.

Program Learning Outcomes

Graduates of this program will:

- Be able to gain knowledge of biological concepts.
- Be able to use the scientific method.
- Be able to possess information literacy.
- Be able to write and communicate science.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements. [Florham Campus students are required to take SPCH1107 Fundamentals of Speech and PHIL1440 Bio-Medical Ethics as part of their general education requirements]

Semesters 1 and 2

- BIOL1221, BIOL1222 Biological Diversity and Laboratory
- BIOL1223 Biological Diversity Recitation
- BIOL1233, BIOL1234 Introduction to Molecules, Cells and Genes and Laboratory

- BIOL1235 Molecules, Cells & Genes Recitation

Semester 3 and 4

- MBIO2209, MBIO2219 Introduction to Marine Biology and Laboratory
- BIOL2300 Experimental Design
- BIOL3100, BIOL3101 Genetics and Laboratory
- ENVR2111/ENVR2112 Oceanography & Lab

Semesters 5 and 6

- BIOL3050, BIOL3051 Molecular Cell Biology & Laboratory
- MBIO3201   Aquatic Vegetation
- MBIO3401   Marine Invertebrates
- MBIO3701   Marine Ecology
- MBIO3901   Marine Vertebrates

Semesters 7 and 8

- MBIO3650/MBIO3651 Physiology Marine Animals
- BIOL4405 Ethics in Science
- BIOL4950 Biology Seminar
- BIOL3380/BIOL3381 Animal Behavior & Lab
- ENVR6706   Applied Principles of Geographic Information Systems
- CHEM3281   Biochemistry I

Ecology and Environmental Biology Concentration

Semesters 7 and 8

- BIOL3___/4___ Biology Elective I
- BIOL3___/4___ Biology Elective II
- BIOL4405 Ethics in Science
- BIOL3___/4___ Biology Elective III
- BIOL3___/4___ Biology Elective IV
- BIOL3___/4___ Biology Elective V

- [BIOL4950](#) Biology Seminar

Common Cognate Requirements

Semesters 1 and 2

- [CHEM1201](#), [CHEM1203](#) General Chemistry I and Laboratory
- [CHEM1202](#), [CHEM1204](#) General Chemistry II and Laboratory

Semesters 3 and 4

- [CHEM2261](#), [CHEM2263](#) Organic Chemistry I and Laboratory
- [CHEM2262](#), [CHEM2264](#) Organic Chemistry II and Laboratory

Semesters 7 and 8

- [PHYS2203](#) / [PHYS2201](#) University Physics I Lecture and Laboratory
- [PHYS2204](#) / [PHYS2202](#) University Physics II Lecture and Laboratory

A total of eighteen (15) marine biology credits are taken during the spring semester. A minimum of 120 credits is required for graduation.

[Back to Top](#)

Marketing BS

Marketing majors are exposed to interdisciplinary courses that develop a broad range of business skills. The marketing curriculum is designed to prepare students for careers in sales, retailing, advertising, product management, direct marketing and research. This preparation is accomplished through course offerings in basic marketing concepts and supplemented by career specific courses. The learning process is enhanced with projects, case studies and internships.

Degree Requirements

All students enrolled in the Bachelor of Science Degree program must complete the University and Business Core Curriculum in addition to the major requirements listed below. Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Required Courses

- MKTG3344 Marketing Research
- MKTG4272 Consumer Behavior
- MKTG4405 Advanced Marketing Management

Electives (Select four courses)

- MKTG3341 Professional Sales & Sales Management
- MKTG3360 Digital Marketing
- MKTG3371 Principles of International Marketing
- MKTG3383 Social Media Marketing
- MKTG3501 Marketing for a Sustainable World
- MKTG4344 Public Relations
- MKTG4345 Sports and Events Marketing
- MKTG4365 Marketing Communications
- MKTG4941 Internship in Marketing Studies

Digital Marketing Concentration

With so many advances in technology, today's marketing arena is more complex than ever before. Marketers are struggling to keep up with information being shared and used by their customers on a variety of platforms. Marketing success lies in being able to understand these digital and social platforms, and in being able to seamlessly integrate a range of new capabilities with some of the more traditional ones.

A bachelor's degree in Marketing with a concentration in Digital Marketing from Silberman College of Business will prepare you for a career in this dynamic field and will equip you with the knowledge and skills to plan, design and manage a well integrated marketing strategy.

Digital Marketing Concentration Requirements

The curriculum is designed to allow you to achieve more substantive learning about the emerging area of digital marketing. Students wishing to pursue this concentration will be required to complete a total of 21 credits, which includes the following six required courses followed by an internship in the field of Digital and/or Social Media Marketing.

- [MKTG4272](#) Consumer Behavior
- [MKTG3344](#) Marketing Research
- [MKTG4365](#) Marketing Communications
- [MKTG4405](#) Advanced Marketing Management
- [MKTG3360](#) Digital Marketing
- [MKTG3383](#) Social Media Marketing
- [MKTG3941](#) Marketing Internship in an area related to Digital and/or Social Media. Students must meet the College's criteria for internships.

Students with specific questions about the major requirements should contact their advisor on their home campus.

For More Information

If you are a prospective student and would like information about applying to Fairleigh Dickinson University, please contact the Office of Admissions.

If you would like information regarding the majors, courses or careers paths, please contact the Department Chair Omer Topaloglu.

[Back to Top](#)

Mathematics BA (Florham)

Math majors develop many skills including the ability to formulate and solve problems, logical and critical thinking, numerical computation, and quantitative skills. These skills are crucial in many fields. Career opportunities include working as a Mathematician, Computer Scientist, Statistician, Economist, Actuary, Cryptologist, Biostatistician, and College Professor.

Program Learning Outcomes

At the completion of the program students will:

- Have the ability to demonstrate an understanding of differentiation and integration techniques and how to use them in problem solving.
- Have the ability to demonstrate an understanding of concepts and techniques in discrete mathematics, including logic, induction, recursion, graphs and Boolean algebra.
- Have the ability to demonstrate an understanding of linear and Matrix Algebra and how to use them in solving problems which includes: Vector spaces and linear transformations; systems of linear equations, bases, matrix representations of linear transformations, matrix algebra, eigenvalues and eigenvectors, determinants, canonical forms, and inner product spaces.
- Have the ability to demonstrate an understanding of solving problems using probabilistic models.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

6 credits from the MAJOR may be applied toward General Education Requirements.

Required Mathematics (24 credits)

- MATH1203 Calculus I
- MATH2202 Calculus II
- MATH2203 Calculus III
- MATH2255 Discrete Structures
- MATH3220 Linear Algebra
- MATH3231 Introductory Analysis *(or)*

- [MATH3225](#) Abstract Algebra *(and)*
- [MATH3303](#) Probability and Statistics
- [MATH4999](#) Mathematics Assessment

Major Elective Courses (15 – 18 credits)

At least five courses to be selected from the mathematics offerings (MATH designation) above the level of [MATH2255](#), or with the permission of the department, from the graduate offerings in mathematics; up to 6 credits from the 2000 (or higher level) offerings in computer science (CSCI designation) may be substituted for mathematics electives.

NOTE: Three credits in Internship experience may be used to fulfill Major Elective requirements in addition to the 15 credits minimum requirement.

Cognate requirements (3 credits)

- [CSCI2215](#) Introduction to Computer Science

6 credits from the MINOR may be applied toward General Education Requirements.

Concentrations

The department offers three concentrations within the BA in Mathematics: Computer Science, Actuarial Science, and Financial Mathematics.

Actuarial Science

Actuarial Science is the discipline that assesses risk in insurance, finance as well as other industries using mathematical and statistical methods. The concentration prepares students by building a strong foundation in mathematics, statistics, and other areas of relevance to insurance and consulting industries.

Students planning to major in mathematics with a concentration in actuarial science should complete all requirements for the BA degree in mathematics with the selection of the following courses as electives in the major:

- [MATH3309](#) Numerical Analysis: Analysis
- MATH Elective (at least 2255 or above) *(or)*
- [MATH4498](#) Internship

To fulfill the general education requirements, they are required to take:

- ECON2001 Introduction to Microeconomics
- ECON2102 Introduction to Macroeconomics

Cognate requirements (12 credits)

- CSCI2215 Introduction to Computer Science
- ACCT2021 Accounting Principles I
- FIN3250 Principles of Financial Analysis
- FIN3310 Intermediate Financial Analysis

The above requirements will assist students in preparing for actuarial exams 1 and 2, which are jointly administered by the Society of Actuaries and the Casualty Actuarial Society.

Independent study courses are also available to further develop the fundamental mathematical/statistical concepts applicable to insurance problems. Specifically, the student may

- Study Mathematics of Finance to strengthen their preparation for exam 2 and/or
- Study Life Contingencies and Loss Models to begin preparation for exam 3.

Computer Science

Students should complete all requirements for the BA degree in mathematics with the selection of the following courses:

Required CS courses

- CSCI2215 Introduction to Computer Science I
- CSCI2216 Introduction to Computer Science II
- CSCI2233 Data Structures and Algorithms

Major Elective courses (15 credits)

Cognate courses (8 credits)

[PHYS2203](#)/[PHYS2201](#) General Physics with Calculus I and [PHYS2204](#)/[PHYS2202](#) General Physics with Calculus II.

Financial Mathematics

Financial Mathematics sometimes called Computational Finance or Financial Engineering is a relatively new area of mathematics that provides the necessary theory and tools for financial analysts who are also known in the financial industry as quants. Financial analysts work for financial institutions, pension funds, and insurance companies. They advise businesses and individuals on making investment decisions. They assess the performance of stocks, bonds, and other types of investments.

Students planning to major in mathematics with a concentration in financial mathematics should complete all requirements for the BA degree in mathematics with the selection of the following courses as electives in the major:

- [MATH3309](#) Numerical Analysis
- [MATH3307](#) Mathematics of Finance
- [MATH4007](#) Financial Math II

To fulfill the general education requirements, they are required to take:

- [ECON2001](#) Introduction to Microeconomics
- [ECON2102](#) Introduction to Macroeconomics

Additional cognate requirements include:

- [CSCI2215](#) Introduction to Computer Science I
- [ACCT2021](#) Introductory Accounting Principles
- [ACCT2022](#) Introductory Managerial Accounting
- [FIN3250](#) Principles of Financial Analysis
- [FIN3310](#) Intermediate Financial Analysis
- [FIN4343](#) Securities and Investments
- [FIN4405](#) Analytical Methods in Finance

QUEST Options Available

- BA in Mathematics/MAT, Elementary Ed Concentration
- BA in Mathematics/MAT, Secondary Ed Concentration

- BA in Mathematics/MAT, Elementary Ed, and Special Ed Concentration
- BA in Mathematics /MAT, Preschool Special Ed Certification
- BA in Mathematics /MAT, Secondary Ed, and ESL

Career Opportunities

According to The Bureau of Labor Statistics employment of financial analysts is expected to grow 23 percent from 2010 to 2020, faster than the average for all occupations. A growing range of financial products and increasing complexity of investment portfolios are expected to lead to strong employment growth. Additionally, newly emerging markets in developing regions are providing new investment opportunities, which in turn require expertise in geographic regions where those markets are located.

Contact Information

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Back to Top

Mathematics BA (Metro)

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The Bachelor of Arts in mathematics program prepares students to work in industry, government, business or education, as well as for graduate study in mathematics, education, business and other closely related STEM fields, particularly in the interdisciplinary areas of artificial intelligence, computer science, cybersecurity, data science and machine learning. Students may choose elective courses in mathematics and related subjects that focus on methods used to solve problems in quantitative fields of study, more theoretical elective courses that focus on strengthening their knowledge of mathematical fundamentals, or some combination of such electives. They are

encouraged to complete a minor in computer science, which they can easily accomplish through the electives. In all cases, students are exposed via a highly flexible curriculum to the kind of rigorous analysis, logic, and critical thinking that will help them to succeed in their chosen careers and/or advanced studies. Students meet with a school-based adviser to discuss their course sequence and electives based on their goals and interests. The program is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering at the Metropolitan Campus, Teaneck, New Jersey.

Students in the BA in mathematics program can also pursue one of the three accelerated combined 5-year bachelor's and master's degree programs, thereby saving time and money and expanding their career opportunities. The three accelerated programs are as follows:

- BA. in Mathematics/MA in Teaching Combined Degree Program (QUEST)
- BA. in Mathematics/MS in Computer Science Combined Degree Program
- BA. in Mathematics/MS in Cybersecurity and Information Assurance Combined Degree Program

GHSCSE also offers a Bachelor of Science in mathematics at the Metropolitan Campus. The educational objectives of the BA and BS in mathematics programs are fundamentally the same except that the BA in mathematics program is built on a liberal arts foundation. The non-mathematics requirements for the two programs are different.

The educational objectives of the BA in mathematics program define the skills, knowledge, and attributes that will be needed and achieved by the graduates for a successful career and professional accomplishments three to four years after graduation.

Educational Objectives

The educational objectives of the Bachelor of Arts in mathematics program define the skills, knowledge and attributes that will be needed and achieved by the graduates for a successful career and professional accomplishments three to four years after graduation. The program will produce graduates who:

1. Have an appropriate combination of theoretical knowledge and practical skills in mathematics to enter into and advance professionally in mathematics and related fields.

2. Have a well-rounded education that encourages and supports meaningful dialogue with individuals from other disciplines.
3. Are able to adapt to and succeed in a dynamic global environment.
4. Can engage effectively in oral, written and graphical communications in both interpersonal and public settings.
5. Are prepared to participate in life-long learning opportunities.
6. Are prepared to continue formal education and obtain advanced degrees in mathematics or related fields.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of our constituencies.

Cooperative Education Option

Students in the BA in Mathematics program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their electives. Note that these credits may not be substituted for any required course work. The co-op experience provides students a real-world grounding, linking theory and practice, academic and work experiences, and college education and lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and professional contacts and allows them to experience career fields before graduation. Employers benefit from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Degree Plan

The BA in Mathematics program requires the successful completion of 120 credits with a minimum cumulative grade point ratio of 2.00 as described below.

General Education Requirements (49 credits)

- **Written Communication (6 credits)**
    - WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)
    - WRIT1003 Composition II: Research and Argument (3 credits)

- **Speech/Professional Communication (3 credits)**
    - ENGR2210 Technical Communications (3 credits)

- **Quantitative Analysis (4 credits)**
    - MATH1201 Calculus I (4 credits)

- **Info and Tech Literacy (3 credits)**
    - CSCI1201 Computer Programming I (3 credits)

- **Ethical Reasoning (3 credits)**
    - ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)

- **Scientific Analysis (4 credits)**
    - PHYS2203 University Physics I (3 credits)
    - PHYS2201 University Physics Lab I (1)

Liberal Arts Distribution

- **Social and Behavioral Sciences (3 credits)**
    - Take ENGR4210 Managerial and Engineering Economic Analysis

- **Behavioral Science (3 credits)**
    - Take 3 credits from CRIM, CMLGY, or PSYC

- **Creative and Expressive Arts (6 credits)**
    - Take six credits from ANIM, ANIMH, ART, ARTH, CGD, CGDH, CINE, CREW, DAN, DANH, FILM, MUSIC, MUSIH, THEA, or THEAH.

- **Humanities (6 credits)**
    - Take six credits of coursework in AFAM, ENGL, HIST, HUMN, LITS, PHIL, RELI.

University Requirements (8 credits)

- UNIV1001 Transitioning to University Life (1 credit)
- UNIV1002 Preparing for Professional Life (1 credit)
- UNIV2001 Cross Cultural Perspectives (3 credits)
- UNIV2002 Global Issues (3 credits)

Major Requirements (41 credits)

Mathematics Requirements (31 Credits)

- MATH2202 Calculus II (4 credits)
- MATH2203 Calculus III (3 credits)
- MATH2210 Differential Equations (3 credits)
- MATH2255 Discrete Structures (3 credits)
- MATH3220 Linear Algebra (3 credits)
- MATH3225 Abstract Algebra (3 credits)
- MATH3230 Analysis (3 credits)
- MATH3237 Probability and Statistics I (3 credits)
- MATH3341 Advanced Engineering Mathematics (3 credits)
- Mathematics Elective (3 credits)
    - 3 credits to be chosen from courses numbered 3000 or higher, with the approval of an adviser.

Computer Science Requirements (6 credits)

- CSCI1202 Computer Programming II (3 credits)
- CSCI2234 Data Structures & Algorithms

Additional Science Requirements (4 credits)

- PHYS2204 University Physics II (3 credits)
- PHYS2202 Physics Laboratory II (1 credit)

Free Electives (15 credits)

Take 15 credits of free electives.

Minor Sequence in an Area Related to Mathematics (15 credits)

- A minor sequence of 15 credits is required in an area related to mathematics. An adviser will assist students in selecting the proper minor.

BA in Mathematics/MA in Teaching 4 Plus 1 Degree Program (QUEST)

GHSCSE offers a 4 Plus 1 program that allows qualified students to attain a Bachelor of Arts degree in mathematics with a pathway to the Master of Arts in teaching at early childhood, primary or secondary levels with different specializations. The 4 Plus 1 program has a course load that is about 15 credits less than that of the separate degrees. This 4 Plus 1 program is offered by GHSCSE in collaboration with Peter Sammartino School of Education through their QUEST programs.

BA in Mathematics/MS in Computer Science 4 Plus 1 Degree Program

GHSCSE offers a 4 Plus 1 program that allows qualified students to attain a Bachelor of Arts degree in mathematics with a pathway to the Master of Science degree in computer science with a load that is 9 credits less than that of the separate degrees. Students must have achieved a cumulative grade point ratio of at least 2.75.

BA in Mathematics/MS in Cybersecurity and Information Assurance 4 Plus 1 Degree Program

GHSCSE offers a 4 Plus 1 program that allows qualified students to attain a Bachelor of Arts degree in mathematics with a pathway to the Master of Science degree in cybersecurity and information assurance with a load that is 9 credits less than that of the separate degrees. Students must have achieved a cumulative grade point ratio of at least 2.75.

Contact Information
Stanley Ryan Huddy, PhD, Program Coordinator
srh@fdu.edu

Mathematics BA, Computer Science MS combined degree

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program that allows qualified students to earn a Bachelor of Arts (BA) degree in mathematics with a pathway to the Master of Science (MS) degree in computer science. In particular, three graduate courses: CSCI6603 Computer Architecture (3 credits), CSCI6623 Database Systems (3 credits) and CSCI6638 Operating Systems (3 credits), when successfully completed under the 4 Plus 1 program, can be credited toward both the BA and the MS degrees. This 4 Plus 1 program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

A minimum of 120 credits is required for the BA in mathematics degree. In addition, for degree completion, the BA in mathematics requires a minimum CGPR of 2.00 and the MS in computer science requires a CGPR of 2.75.

Cooperative Education Option

Students in the BA in mathematics program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives.

Degree Plan

The total degree requirement for the combined degree program is 141 credits. The course distribution is provided below.

General Education Requirements (49 credits)

- Written Communication (6 credits)
    - WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)
    - WRIT1003 Composition II: Research and Argument (3 credits)

- Speech/Professional Communication (3 credits)
    - ENGR2210 Technical Communications (3 credits)

- Quantitative Analysis (4 credits)
    - MATH1201 Calculus I (4 credits)

- Info and Tech Literacy (4 credits)
    - CSCI1201 Computer Programming I (3 credits)

- Ethical Reasoning (3 credits)
- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- Scientific Analysis (4 credits)
    - PHYS2203 University Physics I (3 credits)
    - PHYS2201 University Physics Lab I (1 credit)

Liberal Arts Distribution

- Social and Behavioral Sciences (3 credits)
    - Take ENGR4210 Managerial and Engineering Economic Analysis

- Behavioral Science (3 credits)
    - Take 3 credits from CRIM, CMLGY, or PSYC

- Creative and Expressive Arts (6 credits)

    - Take six credits from ANIM, ANIMH, ART, ARTH, CGD, CGDH, CINE, CREW, DAN, DANH, FILM, MUSIC, MUSIH, THEA, or THEAH.

- Humanities (6 credits)
    - Take six credits of coursework in AFAM, ENGL, HIST, HUMN, LITS, PHIL, RELI.

University Requirements

- UNIV1001 Transitioning to University Life (1 credit)
- UNIV1002 Preparing for Professional Life (1 credit)
- UNIV2001 Cross Cultural Perspectives (3 credits)
- UNIV2002 Global Issues (3 credits)

Major Requirements (41 credits)

Mathematics Requirements

- MATH2202 Calculus II (4 credits)

- [MATH2203](#) Calculus III (3 credits)
- [MATH2210](#) Differential Equations (3 credits)
- [MATH2255](#) Discrete Structures (3 credits)
- [MATH3220](#) Linear Algebra (3 credits)
- [MATH3225](#) Abstract Algebra (3 credits)
- [MATH3230](#) Analysis (3 credits)
- [MATH3237](#) Probability and Statistics I (3 credits)
- [MATH3341](#) Advanced Engineering Mathematics (3 credits)
- Mathematics Elective (3 credits)
  - 3 credits to be chosen from courses numbered 3000 or higher, with the approval of an adviser.

Computer Science Requirements

- [CSCI1202](#) Computer Programming II (3 credits)
- [CSCI2234](#) Data Structures & Algorithms (3 credits)

Additional Science Requirements

- [PHYS2204](#) University Physics II (3 credits)
- [PHYS2202](#) Physics Laboratory II (1 credit)

Free Electives (15 credits)

- Take [CSCI2247](#) Assembly Language

Minor Sequence in an Area Related to Mathematics (15 credits)

- [CSCI2215](#) Introduction to Computer Science (3 credits)
- [ENGR2286](#) Digital System Design (3 credits)
- [CSCI6603](#) Computer Architecture (3 credits)
- [CSCI6623](#) Database Systems (3 credits)
- [CSCI6638](#) Operating Systems (3 credits)

Additional Graduate Courses (21 credits)

Computer Science Graduate Core Courses

- [CSCI6620](#) Software Engineering (3 credits)

- [CSCI7645](#) Systems Programming (3 credits)

Computer Science Graduate Elective Courses

- Graduate elective courses in computer science are listed with CSCI-prefixed course numbers ranging from [CSCI6617](#) to [CSCI8891](#). Students may register for [CSCI8891](#) Internship/Work Experience (3 credits) only after completing the BS degree and 18 graduate credits. The internship will count as a one-course elective. Students may also take up to six credits of EENG-prefixed courses ([EENG6600](#) level or above). Any prerequisites for the electives must be fulfilled before the electives are taken. Students must consult an academic adviser for additional details regarding electives and their prerequisites, if any, or check the FDU Graduate Studies catalog.

For Information

Alfredo Tan, Director, Lee Gildart and Oswald Haase School of Computer Sciences and Engineering
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[Back to Top](#)

Mathematics BA, Cybersecurity and Information Assurance MS: combined degree

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program that allows qualified students to earn a Bachelor of Arts (BA) degree in mathematics with a pathway to the Master of Science (MS) degree in cybersecurity and information assurance. In particular, three graduate courses: [CSCI6731](#) Computer Networks (3 credits), [CSCI6738](#) Cybersecurity (3 credits) and [CSCI6747](#) Applied Cryptography (3 credits), when successfully completed under the 4 Plus 1 program, can be credited toward both the BA and the MS degrees. This combined-degree program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

A minimum of 120 credits is required for the BA in mathematics degree. In addition, for degree completion, the BA in mathematics requires a minimum CGPR of 2.00 and the MS in cybersecurity and information assurance requires a CGPR of 2.75.

Students in the BA in mathematics program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives.

Degree Plan

The total degree requirement for the combined degree program is 141 credits. The course distribution is provided below.

General Education Requirements (49 credits)

Written Communication (6 credits)

- [WRIT1002](#) Composition I: Rhetoric and Inquiry (3 credits)
- [WRIT1003](#) Composition II: Research and Argument (3 credits)

Speech/Professional Communication (3 credits)

- [ENGR2210](#) Technical Communications (3 credits)

Quantitative Analysis (4 credits)

- [MATH1201](#) Calculus I (4 credits)

Info and Tech Literacy (4 credits)

- [CSCI1201](#) Computer Programming I (3 credits)

Ethical Reasoning (3 credits)

- [ENGR3000](#) Modern Technologies: Principles, Applications and Impacts (3 credits)

Scientific Analysis (4 credits)

- [PHYS2203](#) University Physics I (3 credits)
- [PHYS2201](#) University Physics Lab I (1 credit)

Liberal Arts Distribution

Social and Behavioral Sciences (3 credits)

- Take [ENGR4210](#) Managerial and Engineering Economic Analysis

Behavioral Science (3 credits)

- Take 3 credits from CRIM, CMLGY, or PSYC

Creative and Expressive Arts (6 credits)

- Take six credits from ANIM, ANIMH, ART, ARTH, CGD, CGDH, CINE, CREW, DAN, DANH, FILM, MUSIC, MUSIH, THEA, or THEAH.

Humanities (6 credits)

- Take six credits of coursework in AFAM, ENGL, HIST, HUMN, LITS, PHIL, RELI.

University Requirements (8 credits)

- [UNIV1001](#) Transitioning to University Life (1 credit)
- [UNIV1002](#) Preparing for Professional Life (1 credit)
- [UNIV2001](#) Cross Cultural Perspectives (3 credits)
- [UNIV2002](#) Global Issues (3 credits)

Major Requirements (41 credits)

Mathematics Requirements

- [MATH2202](#) Calculus II (4 credits)
- [MATH2203](#) Calculus III (3 credits)
- [MATH2210](#) Differential Equations (3 credits)
- [MATH2255](#) Discrete Structures (3 credits)
- [MATH3220](#) Linear Algebra (3 credits)
- [MATH3225](#) Abstract Algebra (3 credits)
- [MATH3230](#) Analysis (3 credits)
- [MATH3237](#) Probability and Statistics I (3 credits)
- [MATH3341](#) Advanced Engineering Mathematics (3 credits)
- Mathematics Elective (3 credits)
  - 3 credits to be chosen from courses numbered 3000 or higher, with the approval of an adviser.

Computer Science Requirements (6 credits)

- [CSCI1202](#) Computer Programming II (3 credits)
- [CSCI2234](#) Data Structures & Algorithms

Additional Science Requirements

- [PHYS2204](#) University Physics II (3 credits)
- [PHYS2202](#) Physics Laboratory II (1 credit)

Free Electives (15 credits)

- [CSCI2235](#) Survey of Computing Security (3 credits)
- [CSCI2247](#) Assembly Language Programming (3 credits)
- [CSCI6731](#) Computer Networks (3 credits)
- [CSCI6738](#) Cybersecurity (3 credits)
- [CSCI6747](#) Applied Cryptography (3 credits)

Computer Science Minor (15 credits)

- [ENGR2286](#) Digital System Design
- [CSCI2215](#) Intro to Computer Science
- [CSCI3268](#) Database
- [CSCI1201](#) Computer Programming I
- [CSCI1202](#) Computer Programming II

Contact Information

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Stanley Ryan Huddy, Math Coordinator

Mathematics BS (Florham)

Math majors develop many skills including the ability to formulate and solve problems, logical and critical thinking, numerical computation, and quantitative skills. These skills are crucial in many fields.

Potential Career Paths:

- Mathematician
- Computer Scientist
- Statistician
- Economist
- Actuary
- Cryptologist
- Biostatistician
- College Professor.

Program Learning Outcomes

At the completion of the program students will:

- Have the ability to demonstrate an understanding of differentiation and integration techniques and how to use them in problem solving.
- Have the ability to demonstrate an understanding of concepts and techniques in discrete mathematics, including logic, induction, recursion, graphs and Boolean algebra.
- Have the ability to demonstrate an understanding of linear and Matrix Algebra and how to use them in solving problems which includes: Vector spaces and linear transformations; systems of linear equations, bases, matrix representations of linear transformations, matrix algebra, eigenvalues and eigenvectors, determinants, canonical forms, and inner product spaces.
- Have the ability to demonstrate an understanding of solving problems using probabilistic models.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

6 credits from the MAJOR may be applied toward General Education Requirements.

Required Mathematics (24 credits)

- [MATH1203](#) Calculus I
- [MATH2202](#) Calculus II
- [MATH2203](#) Calculus III
- [MATH3318](#) Differential equations
- [MATH2255](#) Discrete Structures
- [MATH3220](#) Linear Algebra
- [MATH3225](#) Abstract Algebra
- [MATH3231](#) Introductory Analysis
- [MATH3232](#) Multivariable Advanced Calculus
- [MATH3303](#) Probability and Statistics
- [MATH4999](#) Mathematics Assessment

Major Elective Courses (15 – 18 credits)

At least five courses to be selected from the mathematics offerings (MATH designation) above the level of MATH2255, or with the permission of the department, from the graduate offerings in mathematics; up to 6 credits from the 2000 (or higher level) offerings in computer science (CSCI designation) may be substituted for mathematics electives.

NOTE: At least one of the following pairs of courses must be completed:

- Pair I: MATH3231 Introductory Analysis; MATH3335 Complex Variables
- Pair II: MATH3318 Differential Equations; MATH3309 Numerical Analysis
- Pair II: MATH3210 Number Theory; MATH3225 Abstract Algebra
- Pair IV: MATH3371 Modeling and Simulation; MATH3318 Differential Equations
- Pair V: MATH2255 Discrete Structures; MATH3306 Combinatorics
- Pair VI: MATH3220 Linear Algebra; MATH3331 Higher Geometry
- Pair VII: MATH3303 Probability and Statistics; MATH3305 Advanced Probability and Statistics

NOTE: Three credits in Internship experience may be used to fulfill Major Elective requirements in additional to the 15 credits minimum requirement.

To fulfill the general education requirements, they are required to take:

PHYS2003, PHYS2013 and PHYS2004, PHYS2014 General Physics with Calculus I and II.

Cognate requirements (3 credits)

- CSCI2215 Introduction to Computer Science

6 credits from the MINOR may be applied toward General Education Requirements.

Mathematics BS (Metro)

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a BS in mathematics program at the Metropolitan Campus, Teaneck, New Jersey. The program has two concentrations:

- Applied Mathematics
- Pure Mathematics

Each concentration prepares students to work in industry, government, business or education, as well as for graduate study in mathematics, education, business and other closely related STEM fields, particularly in the interdisciplinary areas of artificial intelligence, computer science, cybersecurity, data science and machine learning. Students are encouraged to complete a minor in computer science, which they can easily accomplish through the electives.

Students who choose the applied mathematics concentration typically take elective courses in mathematics and related subjects, focusing on methods used to solve problems in quantitative fields of study. Those who choose the pure mathematics concentration typically take more theoretical elective courses which focus on strengthening their knowledge of mathematical fundamentals. In both the applied and pure mathematics concentrations, students are exposed via a highly flexible curriculum to the kind of rigorous analysis, logic, and critical thinking that will help them to succeed in their chosen careers and/or advanced studies. For these two concentrations, students meet with an academic adviser to discuss their course sequence and electives of the concentration based on their goals and interests.

Students in the BS in mathematics program can also pursue one of the three 4 Plus 1 programs. The three 4 Plus 1 programs are as follows:

- BS. in Mathematics/MA in Teaching Combined Degree Program (QUEST)
- BS. in Mathematics/MS in Computer Science Combined Degree Program
- BS. in Mathematics/MS in Cybersecurity and Information Assurance Combined Degree Program

GHSCSE also offers a Bachelor of Art in mathematics at the Metropolitan Campus. The educational objectives of the BA and BS in mathematics programs are fundamentally

the same except that the BA in mathematics program is built on a liberal arts foundation. The non-mathematics requirements for the two programs are different.

Educational Objectives

The educational objectives of the BS in mathematics program define the skills, knowledge and attributes that will be needed and achieved by the graduates for a successful career and professional accomplishments three to four years after graduation. The program will produce graduates who:

1. Have an appropriate combination of theoretical knowledge and practical skills in mathematics to enter into and advance professionally in mathematics and related fields.
2. Have a well-rounded education that encourages and supports meaningful dialogue with individuals from other disciplines.
3. Are able to adapt to and succeed in a dynamic global environment.
4. Can engage effectively in oral, written and graphical communications in both interpersonal and public settings.
5. Are prepared to participate in life-long learning opportunities.
6. Are prepared to continue formal education and obtain advanced degrees in mathematics or related fields.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of our constituencies.

Cooperative Education Option

Students in the BS in Mathematics program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their electives. Note that these credits may not be substituted for any required course work. The co-op experience provides students a real-world grounding, linking theory and practice, academic and work experiences, and college education and lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and professional contacts and allows them to experience career fields before graduation. Employers benefit from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Degree Plan

Students must choose a concentration in applied mathematics or pure mathematics. Regardless of the concentration, the BS in Mathematics program requires the successful completion of 120 credits with a minimum cumulative grade point ratio of 2.00 as described below.

Applied Mathematics or Pure Mathematics Concentration

The following is for a Bachelor of Science in mathematics with either an applied mathematics or pure mathematics concentration. Students must meet with their advisers to discuss the course sequence for either one of the two concentrations.

Mathematics Requirements (35 credits)

- [MATH1201](#) Calculus I (4 credits)
- [MATH2202](#) Calculus II (4 credits)
- [MATH2203](#) Calculus III (3 credits)
- [MATH2210](#) Differential Equations (3 credits)
- [MATH2255](#) Discrete Structures (3 credits)
- [MATH3220](#) Linear Algebra (3 credits)
- [MATH3225](#) Abstract Algebra (3 credits)
- [MATH3230](#) Analysis (3 credits)
- [MATH3237](#) Probability and Statistics I (3 credits)
- [MATH3341](#) Advanced Engineering Mathematics (3 credits)
- Mathematics Elective (3 credits)
  - A 3-credit course to be chosen from Mathematics courses numbered 3000 or higher, with the approval of an adviser.

Minor Sequence in an Area Related to Mathematics (15 credits)

- A minor sequence of 15 credits is required in an area related to mathematics. An adviser will assist students in selecting the proper courses.

Science Requirements (8 credits)

- [PHYS2201](#) Physics Laboratory I (1 credit)
- [PHYS2202](#) Physics II Laboratory II (1 credit)

- PHYS2203 University Physics I (3 credits)
- PHYS2204 University Physics II (3 credits)

Science Electives (12 credits)

The 12 credits of science electives are to be distributed as follows:

- Eight (8) credits of science electives must be a one-year sequence with laboratory:
  - Laboratory Science I (3 credits)
  - Laboratory Science I Lab (1 credit)
  - Laboratory Science II (3 credits)
  - Laboratory Science II Lab (1 credit)

- BIOL Science Elective (4 credits)

Computer Science Requirements (9 credits)

- CSCI1201 Computer Programming I (3 credits)
- CSCI1202 Computer Programming II (3 credits)
- CSCI2234 Data Structures and Algorithms (3 credits

General Education Requirements (18 credits)

- ENGR2210 Technical Communications (3 credits)
- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)
- WRIT1003 Composition II: Research and Argument (3 credits)
- Humanities Elective (3 credits)
  - Take three credits of coursework in ARTH, CINE, CGDH, DANH, HIST, HUMN, LANG (not foreign language), LITS, MUSIH, PHIL, RELI, or THEAH.

- Social and Behavioral Science Elective (3 credits)
  - Take ENGR4210 Managerial and Engineering Economic Analysis.

University Requirements (8 credits)

- [UNIV1001](#) Transitioning to University Life (1 credit)
- [UNIV1002](#) Preparing for Professional Life (1 credit)
- [UNIV2001](#) Cross Cultural Perspectives (3 credits)
- [UNIV2002](#) Global Issues (3 credits)

Technical Electives (15 credits)

- Students must take 15 credits of technical electives, which include courses in computer science, engineering, engineering technology, information technology and/or mathematics at appropriate levels based on their interests. Students must obtain prior approval from the Gildart Haase School of Computer Sciences and Engineering academic adviser for all course selections or substitutions.
    - Mathematics courses must be at the 3000- or higher level.
    - Also, a 3-credit course in a related discipline can be substituted for a 3-credit technical elective.
    - Internship credits and honors courses can be used as technical electives.

BS in Mathematics/MA in Teaching 4 Plus 1 Program (QUEST)

GHSCSE offers a 4 Plus 1 program that allows qualified students to attain a Bachelor of Science degree in mathematics with a pathway to the Master of Arts in teaching at early childhood, primary or secondary levels with different specializations. The 4 Plus 1 program has a course load that is about 15 credits less than that of the separate degrees. This 4 Plus 1 program is offered by GHSCSE in collaboration with Peter Sammartino School of Education through their QUEST programs.

BS in Mathematics/MS in Computer Science 4 Plus 1 Program

GHSCSE offers a 4 Plus 1 program that allows qualified students to attain a Bachelor of Science degree in mathematics with a pathway to the Master of Science degree in computer science with a load that is 9 credits less than that of the separate degrees.

BS in Mathematics/MS in Cybersecurity and Information Assurance 4 Plus 1 Program

GHSCSE offers a 4 Plus 1 program that allows qualified students to attain a Bachelor of Science degree in mathematics with a pathway to the Master of Science degree in cybersecurity and information assurance with a load that is 9 credits less than that of the separate degrees.

Contact Information

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Mathematics BS, Computer Science MS: combined degree

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program that allows qualified students to earn a Bachelor of Science (BS) degree in mathematics with a pathway to the Master of Science (MS) degree. In particular, three graduate courses: [CSCI6603](#) Computer Architecture (3 credits), [CSCI6623](#) Database Systems (3 credits) and [CSCI6638](#) Operating Systems (3 credits), when successfully completed under the 4 Plus 1 program, can be credited toward both the BS and the MS degrees. This combined dual-degree program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

Degree Plan

The BS in mathematics program has two concentrations: pure mathematics, applied mathematics .The curricula for the 4 Plus 1 program with the two concentrations are described below.

Applied or Pure Mathematics Concentrations

Mathematics Requirements (35 credits)

- [MATH1201](#) Calculus I (4 credits)
- [MATH2202](#) Calculus II (4 credits)

- [MATH2203](#) Calculus III (3 credits)
- [MATH2210](#) Differential Equations (3 credits)
- [MATH2255](#) Discrete Structures (3 credits)
- [MATH3220](#) Linear Algebra (3 credits)
- [MATH3225](#) Abstract Algebra (3 credits)
- [MATH3230](#) Analysis (3 credits)
- [MATH3237](#) Probability and Statistics I (3 credits)
- [MATH3341](#) Advanced Engineering Mathematics (3 credits)
- Mathematics Elective (3 credits)
  - A 3-credit course to be chosen from Mathematics courses numbered 3000 or higher, with the approval of an adviser.

Minor Sequence in an Area Related to Mathematics (15 credits)

- A minor sequence of 15 credits is required in an area related to mathematics. An adviser will assist students in selecting the proper courses.

Science Requirements (8 credits)

- [PHYS2201](#) Physics Laboratory I (1 credit)
- [PHYS2202](#) Physics II Laboratory II (1 credit)
- [PHYS2203](#) University Physics I (3 credits)
- [PHYS2204](#) University Physics II (3 credits)

Science and Engineering Electives (11 credits)

The 11 credits of science electives are to be distributed as follows:

- Eight (8) credits of science electives must be a one-year sequence with laboratory:
  - Laboratory Science I (3 credits)
  - Laboratory Science I Lab (1 credit)
  - Laboratory Science II (3 credits)
  - Laboratory Science II Lab (1 credit)

- [ENGR2286](#) Digital System Design (3 credits).

Computer Science Requirements (9 credits)

- [CSCI1201](#) Computer Programming I (3 credits)
- [CSCI1202](#) Computer Programming II (3 credits)
- [CSCI2234](#) Data Structures and Algorithms (3 credits

General Education Requirements (18 credits)

- [ENGR2210](#) Technical Communications (3 credits)
- [ENGR3000](#) Modern Technologies: Principles, Applications and Impacts (3 credits)
- [WRIT1002](#) Composition I: Rhetoric and Inquiry (3 credits)
- [WRIT1003](#) Composition II: Research and Argument (3 credits)
- Humanities Elective (3 credits)
    - Take three credits of coursework in ARTH, CINE, CGDH, DANH, HIST, HUMN, LANG (not foreign language), LITS, MUSIH, PHIL, RELI, or THEAH.
- Social and Behavioral Science Elective (3 credits)
    - [ENGR4210](#) Managerial and Engineering Economic Analysis.

University Requirements (8 credits)

- [UNIV1001](#) Transitioning to University Life (1 credit)
- [UNIV1002](#) Preparing for Professional Life (1 credit)
- [UNIV2001](#) Cross Cultural Perspectives (3 credits)
- [UNIV2002](#) Global Issues (3 credits)

Technical Electives (16 credits)

- [CSCI2215](#) Introduction to Computer Science (3 credits)
- [CSCI2247](#) Assembly Language Programming (3 credits)
- [CSCI6603](#) Computer Architecture (3 credits)
- [CSCI6623](#) Database Systems (3 credits)
- [CSCI6638](#) Operating Systems (3 credits)
- A 1-credit free elective can be substituted for the 1-credit technical elective.

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Mathematics BS, Cybersecurity and Information Assurance MS: combined degree

The Lee Gildart and Oswald Haase School of Computer Sciences and Engineering (GHSCSE) offers a 4 Plus 1 program that allows qualified students to earn a Bachelor of Science (BS) degree in mathematics with a pathway to the Master of Science (MS) degree in cybersecurity and information assurance. In particular, three graduate courses: [CSCI6731](#) Computer Networks (3 credits), [CSCI6738](#) Cybersecurity (3 credits) and [CSCI6747](#) Applied Cryptography (3 credits), when successfully completed under the 4 Plus 1 program, can be credited toward both the BS and the MS degrees. This 4 Plus 1 program is offered by GHSCSE at the Metropolitan Campus, Teaneck, New Jersey.

Degree Plan

The BS in mathematics program has two concentrations: pure mathematics and applied mathematics. The curricula for the combined dual-degree program with the two concentrations are described below.

Applied or Pure Mathematics Concentrations

Mathematics Requirements (35 credits)

- [MATH1201](#) Calculus I (4 credits)
- [MATH2202](#) Calculus II (4 credits)

- [MATH2203](#) Calculus III (3 credits)
- [MATH2210](#) Differential Equations (3 credits)
- [MATH2255](#) Discrete Structures (3 credits)
- [MATH3220](#) Linear Algebra (3 credits)
- [MATH3225](#) Abstract Algebra (3 credits)
- [MATH3230](#) Analysis (3 credits)
- [MATH3237](#) Probability and Statistics I (3 credits)
- [MATH3341](#) Advanced Engineering Mathematics (3 credits)
- Mathematics Elective (3 credits)
  - A 3-credit course to be chosen from Mathematics courses numbered 3000 or higher, with the approval of an adviser.

Minor Sequence in an Area Related to Mathematics (15 credits)

- A minor sequence of 15 credits is required in an area related to mathematics. An adviser will assist students in selecting the proper courses.

Science Requirements (8 credits)

- [PHYS2201](#) Physics Laboratory I (1 credit)
- [PHYS2202](#) Physics II Laboratory II (1 credit)
- [PHYS2203](#) University Physics I (3 credits)
- [PHYS2204](#) University Physics II (3 credits)

Science and Engineering Electives (11 credits)

The 11 credits of science electives are to be distributed as follows:

- Eight (8) credits of science electives must be a one-year sequence with laboratory:
  - Laboratory Science I (3 credits)
  - Laboratory Science I Lab (1 credit)
  - Laboratory Science II (3 credits)
  - Laboratory Science II Lab (1 credit)

- [ENGR2286](#) Digital System Design (3 credits).

Computer Science Requirements (9 credits)

- CSCI1201 Computer Programming I (3 credits)
- CSCI1202 Computer Programming II (3 credits)
- CSCI2234 Data Structures and Algorithms (3 credits

General Education Requirements (18 credits)

- ENGR2210 Technical Communications (3 credits)
- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)
- WRIT1003 Composition II: Research and Argument (3 credits)
- Humanities Elective (3 credits)
  - Take three credits of coursework in ARTH, CINE, CGDH, DANH, HIST, HUMN, LANG (not foreign language), LITS, MUSIH, PHIL, RELI, or THEAH.
- Social and Behavioral Science Elective (3 credits)
  - ENGR4210 Managerial and Engineering Economic Analysis.

University Requirements (8 credits)

- UNIV1001 Transitioning to University Life (1 credit)
- UNIV1002 Preparing for Professional Life (1 credit)
- UNIV2001 Cross Cultural Perspectives (3 credits)
- UNIV2002 Global Issues (3 credits)

Technical Electives (16 credits)

- CSCI2235 Survey of Computing Security (3 credits)
- CSCI2247 Assembly Language Programming (3 credits)
- CSCI6731 Computer Networks (3 credits)
- CSCI6738 Cybersecurity (3 credits)
- CSCI6747 Applied Cryptography (3 credits)
- A 1-credit free elective can be substituted for the 1-credit technical elective.

Special Information: Cooperative Education Option

Students in the BS in mathematics program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives.

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[Back to Top](#)

Mechanical Engineering BSME

Mechanical engineering is one of the largest, broadest, and most diverse engineering disciplines. The Bachelor of Science in Mechanical Engineering (BSME) degree program prepares graduates for entrance into the profession of mechanical engineering or graduate study. The program graduates will work in industry as mechanical engineers, typically specializing as machine design engineers, manufacturing engineers, power engineers, electromechanical engineers, or automotive engineers.

The BSME curriculum provides students with a varied and balanced educational experience through an appropriate combination of theoretical concepts and practical applications. The program focuses on four key areas of mechanical engineering: mechanical design, electromechanical devices and controls, advanced manufacturing, and thermal sciences. Students will learn to analyze, design, build, test, operate, and maintain mechanical components, devices, systems, processes, and facilities; estimate costs; and manage projects.

Professional Accreditation

The BS in Mechanical Engineering program is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org.

Educational Objectives

The educational objectives of the BS in Mechanical Engineering program define the career and professional accomplishments that the graduates are being prepared to achieve three to four years after graduation. The program will produce graduates who:

1. Enter into and advance in the profession of mechanical engineering, particularly in the areas of mechanical design, electromechanical devices and controls, advanced manufacturing and thermal-fluid sciences.
2. Continue their formal education and obtain advanced degrees such as MS degree in mechanical engineering or other related fields.
3. Become responsible professionals and global citizens who are aware of ethical issues and societal needs and problems.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of the program constituencies, which include students, alumni, employers, faculty and the Industrial Advisory Board.

Student Outcomes

The BS in Mechanical Engineering program has adopted the student outcomes of the Engineering Accreditation Commission (EAC) of ABET as its own student outcomes, which define the attributes, skills and knowledge that the graduates are expected to possess upon or before graduation. Each mechanical engineering graduate will demonstrate the following attributes and achievements as required by the EAC of ABET upon or before graduation:

1. An ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of

engineering solutions in global, economic, environmental and societal contexts.

5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Cooperative Education Option

Students in the BSME program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives. Note that these credits may not be substituted for any required course work. The co-op experience provides students a real-world grounding, linking theory and practice, academic and industrial experiences, and college education and lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and professional contacts and allows them to experience career fields before graduation. Industry benefits from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Degree Plan

The program requires the successful completion of 121 credits with a minimum cumulative grade point ratio of 2.00. The credit distribution is as follows:

Semester 1 (15 credits)

- ENGR1301 Engineering Practices, Graphics and Design (3 credits)
- MATH1201 Calculus I (4 credits)
- PHYS2201 Physics Laboratory I (1 credit)
- PHYS2203 University Physics I Lecture (3 credits)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

Semester 2 (15 credits)

- ENGR1204 Programming Languages in Engineering (3 credits)
- MATH2202 Calculus II (4 credits)
- PHYS2202 Physics Laboratory II (1 credit)
- PHYS2204 University Physics II Lecture (3 credits)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

Semester 3 (16 credits)

- CHEM1201 General Chemistry I Lecture (3 credits)
- CHEM1203 General Chemistry I Laboratory (1 credit)
- ENGR2221 Statics (3 credits)
- MATH2210 Differential Equations (3 credits)
- MENG2232 Mechanical Measurement and Devices (3 credits)
- ENGR2210 Technical Communications (3 credits)

Semester 4 (15 credits)

- ENGR2228 Strength of Materials (3 credits)
- ENGR3351 Applied Thermodynamics (3 credits)
- ENGR3431 Dynamics (3 credits)
- MENG2235 Manufacturing Processes (3 credits)
- MENG3230 Computer Aided Design and Manufacturing (3 credits)

Semester 5 (15 credits)

- EENG2221 Signals and Systems I (3 credits)
- ENGR4254 Fluid Mechanics (3 credits)
- MATH2203 Calculus III (3 credits)
- MENG3155 Heat Transfer (3 credits)
- ENGR3211 Engineering Materials I (3 credits)

Semester 6 (15 credits)

- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- ENGR4210 Managerial and Engineering Economic Analysis (3 credits)

- [ENGR4221](#) Engineering Statistics and Reliability (3 credits)
- [UNIV2001](#) Cross Cultural Perspectives (3 credits)
- [MENG4360](#) Industrial Automation (3 credits)

Semester 7 (16 credits)

- [MENG4248](#) Mechanical Engineering Design I (3 credits)
- [MENG4355](#) Analog and Digital Control (3 credits)
- [MENG4375](#) Electrical Energy Conversion (3 credits)
- [MENG4384](#) Preparation for Senior Design Project (1 credit)
- Technical Elective (3 credits)
- [MATH3220](#) Linear Algebra (3 credits)

Semester 8 (14 credits)

- [MENG4356](#) Stress and Vibration Analysis (3 credits)
- [MENG4386](#) Senior Design Project (2 credits)
- Technical Electives (6 credits)
- [UNIV2002](#) Global Issues (3 credits)

Technical Electives: The student must take 9 credits of technical electives, to be chosen from the following:

- [CENG3261](#) Estimating I (3 credits)
- [EENG2222](#) Signals and Systems II (3 credits)
- [EENG3265](#) Electronics I (3 credits)
- [ENGR2286](#) Digital System Design (3 credits)
- [ENGR4001](#), [ENGR4002](#) FE/EIT Exam Preparation I (2 credits) and II (1 credit)
- [ENGR4263](#) Project Management in Engineering and Technology (3 credits)
- [MENG3288](#) Microcontroller System Design (3 credits)
- [MENG4040](#) Heating, Ventilation and Air Conditioning (HVAC) (3 credits)
- [MENG4041](#) HVAC and Refrigeration Controls (3 credits)
- [MENG4250](#) Mechanical Engineering Design II (3 credits)
- [MENG4365](#) Advanced Fluid Mechanics (3 credits)
- [MENG3160](#) Thermal Systems Analysis and Design (3 credits)

Other technical electives may be taken with prior approval from the GHSCSE Director or their designee. In addition, students may undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives.

Electrical Engineering Minor

(For Mechanical Engineering Majors)

GHSCSE offers a 15-credit minor in electrical engineering (EE) for non-EE majors. This minor provides these students with a foundation in EE, and it can bring them additional employment opportunities and career options. The minor is appropriate to those non-EE majors who have strong mathematics and science backgrounds. To take any course in the minor, a student must meet all the prerequisites for that course. The required courses are as follows:

- EENG2221 Signals and Systems I (3 credits)

Additionally, take 4 courses (12 credits) from the following list:

- EENG2222 Signals and Systems II (3 credits)
- EENG2287 Microprocessor System Design I (3 credits)
- EENG3265 Electronics I (3 credits)
- ENGR2286 Digital System Design (3 credits)
- MENG4355 Analog and Digital Control (3 credits)
- MENG4375 Electrical Energy Conversion (3 credits)

Program Enrollment and Degree Data

The official fall term enrollments of the BS in Mechanical Engineering program for the last five academic years and the number of degrees conferred during each of those years

 :	Academic Year		Enrollment Year					Degrees Awarded
			1st	<p" align="center">2nd	3rd	4th	TOTAL	
Current		FT	32	9	12	11	64	

Year	2023-2022	PT						*Not Available
1	2022-2021	FT	26	10	9	12	57	12
		PT	1			2	3	
2	2021-2020	FT	31	10	11	14	66	8
		PT	1	2			3	
3	2020-2019	FT	30	13	13	1	57	N/A
		PT	3				3	
4	2019-2018	FT	33	9	1		43	N/A
		PT			1		1	

FT- full time; PT- part time

Contact Information

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Mechanical Engineering Technology BSMET

The Bachelor of Science in Mechanical Engineering Technology curriculum requires the successful completion of 120 credits. It includes mathematics, basic sciences, English composition and communications, humanities and social sciences, and technical courses. The curriculum consists of an integrated sequence of undergraduate courses emphasizing the application of engineering and scientific knowledge, methods, technology and technical skills appropriate to the discipline.

The program prepares students to apply the principles of mechanics and energy to the design, manufacturing and operation of machinery and other mechanical devices. Employment opportunities for mechanical engineering technologists are in power generation, process control, production supervision, plant operation, manufacturing, quality assurance and reliability testing, test and field services, automotive industry, heating, ventilating and air conditioning.

Professional Accreditation

The BS in Mechanical Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, https://www.abet.org.

Educational Objectives

The educational objectives of the BS in Mechanical Engineering Technology program define the career and professional accomplishments that the graduates are being prepared to achieve three to four years after graduation. The program will produce graduates who:

1. Enter into and advance their careers in the analysis, applied design, development, implementation and management of mechanical systems and processes, including those used in fields such as mechanical design, electromechanical devices and controls, manufacturing processes or applied thermal-fluid sciences.
2. Continue their formal education leading to professional licensures or advanced degrees in science, technology or business.

3. Continue to conduct themselves as both responsible professionals and global citizens who are aware of and who understand ethical issues and societal needs and problems.

These objectives are consistent with the mission of Fairleigh Dickinson University to educate and prepare students as world citizens through global education. They also fulfill the needs of the program constituencies, which include students, alumni, employers, faculty, and the Industrial Advisory Board.

Student Outcomes

Each mechanical engineering technology graduate will demonstrate the following attributes and achievements as required by the ETAC of ABET upon or before graduation:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline;
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature;
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and
5. An ability to function effectively as a member as well as a leader on technical teams.

Cooperative Education or Work Experience Option

Students in the BS in Mechanical Engineering Technology program have the option to undertake a cooperative education experience and earn a total of 6 academic credits toward their technical electives. The co-op experience provides students a real-world grounding, linking theory and practice, academic and industrial experiences, and college education and lifelong learning. It better prepares students for jobs, gives them a competitive edge in the job market, helps them develop networking skills and professional contacts and allows them to experience career fields before graduation. Industry benefits from better-prepared graduates with real and relevant work experience – saving time and money by reducing the training period for new employees.

Instead of undertaking cooperative education, students may earn up to 6 academic credits for appropriately documented industrial experience (Work Experience) counted toward their technical electives. Note that credits earned from industrial experience and/or cooperative education may not be substituted for any required course work and that they altogether may not exceed a total of six credits. Students must have successfully completed the course EGTG2210 Technical Communications before the application for "Work Experience" credits can be considered. The application form and directions for submission of necessary documents in support of the application may be obtained from the office of GHSCSE.

Degree Plan

The program requires the successful completion of 120 credits with a minimum cumulative grade point ratio of 2.00 as described below.

1st Semester (15 credits)

- ENGR1301 Engineering Practices, Graphics and Design (3 credits)
- MATH1107 Precalculus (4 credits)
- PHYS2101 General Physics I (3 credits)
- PHYS2201 Lab: Physics I (1 credit)
- UNIV1001 Transitioning to University Life (1 credit)
- WRIT1002 Composition I: Rhetoric and Inquiry (3 credits)

2nd Semester (14 credits)

- EGTC1223 Introduction to CAD (2 credits)
- MATH1201 Calculus I (4 credits)
- PHYS2102 General Physics II (3 credits)
- PHYS2202 Lab: Physics II (1 credit)
- UNIV1002 Preparing for Professional Life (1 credit)
- WRIT1003 Composition II: Research and Argument (3 credits)

3rd Semester (17 credits)

- CHEM1201 General Chemistry I (3 credits)
- CHEM1203 General Chemistry Laboratory I (1 credit)
- EGTG2215 Circuits I (3 credits)

- EGTG2221 Statics (3 credits)
- MATH2202 Calculus II (4 credits)
- EGTC3261 Estimating I (3 credits)

4th Semester (15 credits)

- EGTE2216 Circuits II (3 credits)
- EGTG2228 Strength of Materials (3 credits)
- EGTG4221 Engineering Statistics and Reliability (3 credits)
- ENGR1204 Programming Languages in Engineering (3 credits)
- EGTG2210 Technical Communications (3 credits)

5th Semester (15 credits)

- EENG4375 Electrical Energy Conversion (3 credits)
- EGTG2265 Electronics I (3 credits)
- EGTG3211 Materials Technology I (3 credits)
- EGTG4254 Fluid Mechanics (3 credits)
- EGTM2232 Mechanical Measurement and Devices (3 credits)

6th Semester (15 credits)

- EGTG3351 Applied Thermodynamics (3 credits)
- EGTG3431 Dynamics (3 credits)
- EGTM2235 Manufacturing Processes (3 credits)
- ENGR3000 Modern Technologies: Principles, Applications and Impacts (3 credits)
- EGTG4225 Industrial Automation (3 credits)

7th Semester (15 credits)

- EGTC4263 Project Management and Control I (3 credits)
- EGTG4224 Process and Electro/Mechanical Control Systems Technology (3 credits)
- EGTG4269 Management and Engineering Economics (3 credits)
- EGTM3248 Mechanical Technology Design I (3 credits)
- UNIV2001 Cross Cultural Perspectives (3 credits)

8th Semester (14 credits)

- [EGTM3250](#) Mechanical Technology Design II (3 credits)
- [EGTM4356](#) Stress and Vibration Analyses (3 credits)
- Technical Electives (6 credits)
- [UNIV2002](#) Global Issues (3 credits)

Technical Electives: The student must take 6 credits of technical electives, to be chosen from the following:

- [CHEM1202](#), [CHEM1204](#) General Chemistry II Lecture (3 credits) and Laboratory (1 credit)
- [EGTC4260](#) Contracts and Specifications (3 credits)
- [EGTC4264](#) Project Management & Control II (3 credits)
- [EGTE4047](#) Optical Technology I (3 credits)
- [EGTE4049](#) Optical Technology II (3 credits)
- [EGTG4340](#) Manufacturing Systems (3 credits)
- [EGTM4040](#) Heating, Ventilation, Air Conditioning (3 credits)
- [EGTM4041](#) Heating, Ventilation, Air Conditioning and Refrigeration Controls (3 credits)
- [EGTG2286](#) Digital System Design (3 credits)
- [EGTG3223](#) Instrumentation (3 credits)
- [EGTM4356](#) Stress and Vibration Analysis (3 credits)

Other technical electives may be taken with prior approval from the GHSCSE Director or their designee. Up to 6 credits for work experience or cooperative education experience but not both may be used in place of technical electives.

Mechanical Engineering Technology Minor

(for Non-Mechanical Engineering Technology and non-Mechanical Engineering Majors)

The minor in mechanical engineering technology consists of 15 credits, and it is available to qualified students. This minor provides students with a foundation in mechanical engineering technology, and it can enhance their employment opportunities and career options.

Program Enrollment and Degree Data

The official fall term enrollment figures (head count) of the BS in Mechanical Engineering Technology program for the last five academic years and the number of degrees conferred during each of those years.

Academic Year		Enrollment Year				Total	Degrees Awarded
		1st	2nd	3rd	4th		
2018 -2019	FT	7	4	7	14	32	Not yet available
	PT		1	1	2	4	
2017 -2018	FT	7	10	11	14	42	12
	PT	1	1	1	1	4	
2016 -2017	FT	21	11	13	13	58	15
	PT	1	1		3	5	
2015 -2016	FT	27	12	9	13	61	11
	PT	3			2	5	
2014-2015	FT	24	16	10	10	60	10
	PT				2	2	

FT- full time, PT- part time

Contact Information

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[Back to Top](#)

Medical Imaging Science BS

Medical imagers are integral members of the healthcare team with knowledge and skills to understand and use technologies to examine various parts of the body to guide critical decisions in patient diagnosis, monitoring, and treatment planning.

Graduates who earn the **Bachelor of Science (BS) in Medical Imaging Science** can choose between one of two sonography concentrations and earn a degree that is awarded jointly between FDU and Rutgers University. Graduates from this accredited program will be eligible for national certification and state licensure, where applicable. The American Registry for Diagnostic Medical Sonography (ARDMS) is the organization responsible for administering the certification exam and maintaining the registry of certified sonographers. Certification in sonography is not a requirement for practice in all states, but many employers prefer or require certification as a way to ensure that their sonographers have met certain professional standards. Additionally, certification can provide sonographers with more job opportunities, higher salaries, and increased professional recognition.

Diagnostic Medical Sonography

Diagnostic medical sonographers provide patient services using diagnostic ultrasound under the supervision of a licensed physician, who is responsible for the interpretation of ultrasound images. Sonographers look for subtle differences between health and pathological areas and decide what images are significant in meeting the objectives of the study.

A minimum of 136 credits is required for graduation from this concentration. After completion of 3 years of study at FDU (minimum 90 credits), students apply for acceptance into the Rutgers School of Health Professions. If accepted, the degree program is completed in 15 months at Rutgers University (additional 46 credits). Students will earn a Joint (FDU and Rutgers) BS Degree in Medical Imaging Science with Certificate/Concentration in Diagnostic Medical Sonography. See Diagnostic Medical Sonography Program – Rutgers School of Health Professions for additional information.

Cardiovascular Sonography

Cardiovascular sonographers (or "echocardiographers") provide patient services using diagnostic ultrasound under the supervision of a licensed physician, who is responsible for the interpretation of ultrasound images. Cardiovascular sonographers are specially trained to use imaging technology to support diagnosis and monitoring of heart problems in patients. **Among other skills, they operate**

ultrasound equipment that provides moving 2-dimensional and 3-dimensional images of the heart and its chambers.

A minimum of 140 credits is required for graduation from this concentration. After completion of 3 years of study at FDU (minimum 90 credits), students apply for acceptance into the Rutgers School of Health Professions. If accepted, the program is completed in 15 months at Rutgers University (additional 50 credits). Students will earn a Joint (FDU and Rutgers) BS Degree in Medical Imaging Science with Certificate/Concentration in Cardiovascular Sonography. See Cardiac Sonography Program – Rutgers School of Health Professions for additional information.

Admission Requirements

- Graduates from an accredited secondary school with a record indicating the potential to succeed in college will be considered for admission to the FDU BS in Medical Imaging Science.
- Completion of the following high school studies:
    - 4 units of English
    - 1 unit of Chemistry + Lab
    - 2 units of History
    - 1 unit of Biology + Lab
    - 2 units of college preparatory Mathematics

- At least 16 high school academic units
- Secondary school GPA of 2.7 or higher

Admission to Rutgers School of Health Professions

- Students will submit a separate application in the fall semester of their sophomore year (second semester of year 2 at FDU).
- Admission decisions to Rutgers are made in accordance with criteria, policies and procedures established by a joint committee and cannot be guaranteed by FDU.
- Students generally **need to demonstrate at least a 2.85 GPA** in major and prerequisite courses at FDU to be considered for admission to the Rutgers Medical Imaging Science program. Specific prerequisite courses must be completed with a grade of B minus or higher.

Curriculum *(Updated for Fall 2024)*

A minimum of 136 credits (Diagnostic Medical Sonography concentration) or 140 credits (Cardiovascular Sonography concentration) is required to graduate from this degree program. After completion of 3 years of study at FDU (minimum 90 credits, of which 40 are GenEd and 50 are courses in the major), students apply for acceptance into the Rutgers School of Health Professions. If accepted, the program is completed in 15 months at Rutgers University (additional 46 credits for Diagnostic Medical Sonography concentration; additional 50 credits for Cardiovascular Sonography concentration).

Accuplacer reading/writing scores and math assessment scores will determine which reading/writing and math courses first time, first year students will take. Those with reading/writing placement scores below the standards must complete courses in prerequisite skills (e.g., WRIT1000, WRIT1001, READ1000). Those with math placement scores below the standards must complete courses in prerequisite skills (e.g., MATH0298, MATH1100). These credits are applied toward free electives or are non-credit-bearing. **This requirement applies to all first time, first year students, even if they have been accepted into this program track.

General Education Requirements (40 credits)

- **Written & Oral Communication (9 credits)**
    - WRIT1002 Composition I: Rhetoric and Inquiry
    - WRIT1003 Composition II: Research and Argument
    - Oral Communication: Select from GenEd options

- **Information and Technological Literacy (3 credits)**
    - MEDT2217 Info Systems and Applications in Health Care

- **Ethical Reasoning (3 credits)**
    - MEDT1130 Bioethics

- **Global and Cultural Understanding (3 credits)**
    - UNIV2001 Cross-cultural Perspectives

- **Scientific and Quantitative Analysis (8 credits)**
    - BIOL2203/BIOL2223 Anatomy and Physiology I + Lab
    - MATH1107 Precalculus

- **Social and Behavioral Analysis (6 credits)**
    - Social Science: Select from GenEd options

- o   Behavioral Science: Select from GenEd options

- **Inquiry in the Arts & Humanities (6 credits)**
  - o   Creative & Expressive Arts: Select from GenEd options
  - o   Humanities: Select from GenEd options

- **University Core (2 credits)**
  - o   UNIV1001 Transitioning to University Life
  - o   UNIV1002 Preparing for Professional Life

Major Requirements (50 credits)

- BIOL1221/BIOL1222 Biological Diversity and Lab; BIOL1223 Biological Diversity Recitation
- BIOL1233/BIOL1234 Molecules, Cells and Genes + Lab; BIOL1235 Molecules, Cells and Genes Recitation
- BIOL2204/BIOL2224 Anatomy and Physiology II + Lab
- BIOL2125/BIOL2126 Micro for Health Sciences + Lab
- CALCULUS: Select either MATH1201 Calculus I or MATH1203 Calculus I
- CHEM1201/CHEM1203 General Chemistry I + Lab; CHEM1211 General Chemistry Recitation
- CHEM1202 /CHEM1204 General Chemistry II + Lab; CHEM1212 General Chemistry II Recitation
- CHEM2261/CHEM2263 Organic Chemistry I + Lab
- CHEM2262/CHEM2264 Organic Chemistry II + Lab
- STATISTICS: Select either MATH1133 Applied Statistics *OR* PSYC2210 Psychological Statistics
- PHYS2203/PHYS2201 University Physics I + Lab
- PHYS2204/PHYS2102 University Physics II + Lab
- MEDT2006 Medical Terminology

Clinical Training (4th Year) at Rutgers (46-50 credits)

- During the clinical training, students may be asked to report to a laboratory site five days a week.

Academic Program Plan

1st Semester (16 credits)

- BIOL1221/BIOL1222 Biological Diversity + Lab
- BIOL1223 Biological Diversity Recitation
- CHEM1201/CHEM1203 General Chemistry I + Lab
- CHEM1205 General Chemistry I Recitation
- WRIT1002 Composition I: Rhetoric and Inquiry
- MATH1107 Pre-Calculus
- UNIV1001 Transitioning to University Life

2nd Semester (16 credits)

- BIOL1233/BIOL1234 Molecules, Cells and Genes + Lab
- BIOL1235 Molecules, Cells and Genes Recitation
- CHEM1202/CHEM1204 General Chemistry II + Lab
- CHEM1207 General Chemistry II Recitation
- WRIT1003 Composition II: Research and Argument
- MATH1201 Calculus I or MATH1203 Calculus I
- UNIV1002 Preparing for Professional Life

3rd Semester (14 credits)

- BIOL2203/BIOL2223 Anatomy and Physiology I + Lab
- CHEM2261/CHEM2263 Organic Chemistry I + Lab
- Social Science *OR* Behavioral Science: Select from GenEd options
- Oral Communication: Select from GenEd options

4th Semester (14 credits)

- BIOL2204/BIOL2224 Anatomy and Physiology II + Lab
- BIOL2125/BIOL2126 Micro for Health Sciences + Lab
- CHEM2262/CHEM2264 Organic Chemistry II + Lab
- UNIV2001 Cross-cultural Perspectives

5th Semester (13 credits)

- [MEDT1130](#) Bioethics
- [PHYS2203](#)/[PHYS2201](#) University Physics I + Lab
- Creative and Expressive Arts *OR* Humanities: Select from GenEd options
- Social Science *OR* Behavioral Science: Select from GenEd options

6th Semester (15-16 credits)

- [PHYS2204](#)/[PHYS2102](#) University Physics II + Lab
- STATISTICS: Select either [MATH1133](#) Applied Statistics *OR* [PSYC2210](#) Psychological Statistics
- [MEDT2006](#) Medical Terminology
- Creative and Expressive Arts *OR* Humanities: Select from GenEd options
- [MEDT2217](#) Info Systems and Applications in Health Care

Contact Information

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[Back to Top](#)

Medical Technology BS

Medical Laboratory Scientists (also known as "Clinical Laboratory Scientists" and formerly known as "Medical Technologists") are clinical laboratory professionals who play a major role in patient care, providing laboratory data which are crucial for the diagnosis of diseases, the management of patient therapy and maintenance of health. Medical Laboratory scientists perform a wide variety of analytical procedures requiring

expertise in state-of-the-art technology and instrumentation, as well as organizational, problem solving and communication skills. Major disciplines in medical technology include clinical chemistry, clinical immunology, clinical microbiology, hematology, and immunohematology. They perform sophisticated chemical, biological, microscopic, and bacteriological tests using some of the most advanced equipment in healthcare. For example, medical laboratory scientists microscopically examine blood, make cultures of fluid or tissues the samples, use computers to verify and organize lab data, and analyze the samples for chemical content or reaction.

Medical Laboratory Scientists have the versatility to be employed in a variety of settings, including hospitals, independent laboratories, clinics, physicians' offices, local/state and government agencies, pharmaceutical and cosmetic firms, veterinary offices, and research institutions.

- Employment rate in various healthcare laboratories in the tri-state area: 100%
- Starting salary after degree completion by the Bureau of Labor Statistics: >$70,000

The **Bachelor of Science (BS) in Medical Technology** degree prepares students for the medical profession as Medical Laboratory Scientists through a partnership with an accredited hospital-based Medical Laboratory Science (MLS) internship program. Upon successful completion of the degree requirements, the student will qualify for the examination given by the Board of Registry of the American Society for Clinical Pathology (ASCP) for the certification as a Clinical Laboratory Scientist (CLS-ASCP). A clinical training program (such as this MLS internship program at an accredited hospital) is required of students who wish to qualify for the examination given by the Board of Registry of the American Society for Clinical Pathology (ASCP) for the certification as a Clinical Laboratory Scientist (CLS-ASCP).

NAACLS Articulations for FDU Students

There are several hospitals in New Jersey approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) to administer this program and which have affiliation agreements with FDU. Admissions requirements and application instructions are available on the websites of these respective NAACLS partners:

- Hackensack Meridian Health Florence M. Cook School of MLS at Jersey Shore Medical Center

- RWJBarnabas Health John A. Mihok School of MLS at Monmouth Medical Center
- William O. Green School of Medical Technology at Valley Hospital

Students complete 6 semesters of pre-professional courses at FDU before applying to the 12-month hospital program that is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Each approved hospital internship website describes program highlights, admissions criteria, curriculum, and FAQs. In addition, *Zoom* info-sessions may be offered periodically.

This MLS hospital internship can be particularly valuable if as student is interested in pursuing a career in a specific area of laboratory medicine. This experience, with rotations to multiple departments within the single hospital system, and with many opportunities for hospital personnel to engage the student as a prospective employee, often leads the student to employment in that hospital. Financial aid is not available through FDU when attending the MLS internship program, however many programs offer their own financial aid. Tuition is paid directly to the MLS internship program during this phase of study. Upon completion of degree requirements, the student will receive a diploma from FDU and a certificate of completion from the MLS hospital internship program.

Admission Requirements

- Graduates from an accredited secondary school with a record indicating the potential to succeed in college will be considered for admission to the FDU BS in Clinical Laboratory Science.
- Completion of the following high school studies:
    - 4 units of English
    - 1 unit of Chemistry + Lab
    - 2 units of History
    - 1 unit of Biology + Lab
    - 2 units of college preparatory Mathematics

- At least 16 high school academic units
- Secondary school GPA of 2.7 or higher

Admission to Hospital Internship Experience

- Students will submit a separate application in the fall semester of their sophomore year (second semester of year 2 at FDU).
- Admission decisions to the internship program is made in accordance with criteria, policies and procedures established by the hospital and cannot be guaranteed by FDU.
- Students generally **need to demonstrate at least a 2.85 GPA** in major and prerequisite courses at FDU to be considered for admission to the internship program. All prerequisite courses must be completed with a grade of C or higher, and certain prerequisite courses must be completed with a grade of B minus or higher.
- Students must apply in their 3rd year at FDU for the MLS internship program at an accredited hospital. Application and admission processes are slightly different for each hospital. It is the student's responsibility to regularly check the hospital websites for updates to the application and admission procedure and deadlines. It is recommended for applicants to apply when the application period opens due to the program's competitiveness.
- Admission to the clinical training program is competitive. Hospitals accept only 4-10 students per class, depending on the hospital site.
- Students who are not selected for a clinical training program may continue at FDU for a BS in Health Studies. Upon completion of the BS degree, students may again apply for the Rutgers Clinical Training Program to earn a certificate which will allow qualification for the ASCP examination.

Curriculum *(Updated for Fall 2024)*

A minimum of 124 credits is required for graduation from the FDU BS in Medical Technology (Hospital Internship) to become a Clinical/Medical Laboratory Scientist. After completion of 3 years of study at FDU (minimum 94 credits, of which 40 are GenEd and 54 are courses in the major), the program is completed in 12 months through one of several hospital internships. Students will be awarded 30 academic credits upon completion of the hospital internship program.

Accuplacer reading/writing scores and math assessment scores will determine which reading/writing and math courses first time, first year students will take. Those with reading/writing placement scores below the standards must complete courses in prerequisite skills (e.g., WRIT1000, WRIT1001, READ1000). Those with math placement scores below the standards must complete courses in prerequisite skills (e.g., MATH0298, MATH1100). These credits are applied toward free electives or are non-credit-bearing. **This requirement applies to all first time, first year students, even if they have been accepted into this program track.

General Education Requirements (40 credits)

- **Written & Oral Communication (9 credits)**
  - WRIT1002 Composition I: Rhetoric and Inquiry
  - WRIT1003 Composition II: Research and Argument
  - Oral Communication: Select from GenEd options

- **Information and Technological Literacy (3 credits)**
  - MEDT2217 Info Systems and Applications in Health Care

- **Ethical Reasoning (3 credits)**
  - MEDT1130 Bioethics

- **Global and Cultural Understanding (3 credits)**
  - UNIV2001 Cross-cultural Perspectives

- **Scientific and Quantitative Analysis (8 credits)**
  - BIOL2203/BIOL2223 Anatomy and Physiology I + Lab
  - MATH1107 Precalculus

- **Social and Behavioral Analysis (6 credits)**
  - Social Science: Select from GenEd options
  - Behavioral Science: Select from GenEd options

- **Inquiry in the Arts & Humanities (6 credits)**
  - Creative & Expressive Arts: Select from GenEd options
  - Humanities: Select from GenEd options

- **University Core (2 credits)**
  - UNIV1001 Transitioning to University Life
  - UNIV1002 Preparing for Professional Life

Major Requirements (54 credits)

- BIOL1221/BIOL1222 Biological Diversity and Lab
- BIOL1223 Biological Diversity Recitation
- BIOL1233/BIOL1234 Molecules, Cells and Genes + Lab
- BIOL1235 Molecules, Cells and Genes Recitation
- BIOL3050/BIOL3051 or BIOL4240/BIOL4241 Molecular Cell Biology + Lab

- BIOL2204/BIOL2224 Anatomy and Physiology II + Lab
- BIOL3009/BIOL3019 or BIOL3225/BIOL3226 Microbiology and Lab
- BIOL3100/BIOL3101 Genetics + Lab
- CALCULUS: Select either MATH1201 Calculus I or MATH1203 Calculus I
- CHEM1201/CHEM1203 General Chemistry I + Lab
- CHEM1211 General Chemistry Recitation
- CHEM1202 /CHEM1204 General Chemistry II and Lab
- CHEM1212 General Chemistry II Recitation
- CHEM2261/CHEM2263 Organic Chemistry I and Lab
- CHEM2262/CHEM2264 Organic Chemistry II and Lab
- STATISTICS: Select either MATH1133 Applied Statistics *OR* PSYC2210 Psychological Statistics
- BIOL5306 Immunology
- CHEM3281/CHEM3389 Biochemistry +Lab

Hospital Internship (4th Year) Requirements (30 credits)

- MEDT4205 Clinical Laboratory Education I (0 credits)
- MEDT4206 Clinical Laboratory Education II (0 credits)

- Students will be awarded 30 credits for conferral of the hospital certificate. During the hospital internship, students will be enrolled in MEDT4205/MEDT4206 (nominal fee) to assure matriculation maintenance and access to select FDU support services. Financial aid is not available through FDU when attending the MLS internship program, however many programs offer their own financial aid. Tuition is paid directly to the MLS internship program during this phase of study.

- During the internship, students may be asked to report to a clinical site five days a week.

Other Considerations

FDU offers two four-year degree programs geared to qualifying for and passing the examination by the Board of Registry of the American Society for Clinical Pathology (ASCP) for the certification as a Clinical Laboratory Scientist (CLS-ASCP). These are the Clinical Laboratory Sciences BS (this program) and the Medical Technology BS (see other FDU web page). The first three years of the Academic Program Plan for the

two degrees are identical, and the courses can be taken at either NJ campus. The fourth year of the Clinical Laboratory Sciences BS is training at Rutgers University and its affiliates. The fourth year of the Medical Technology BS is a hospital-based internship at Valley Hospital (Bergen County), Hackensack Meridian Health Jersey Shore Medical Center (Neptune City), Monmouth Medical Center (Long Branch), or at another approved hospital system. Both the clinical training program at Rutgers University and the hospital-based internship provides appropriate preparation for the ASCP certification as a Clinical Laboratory Scientist. Both are competitive admissions programs.

Clinical Laboratory Sciences BS (University Training Program) – The clinical training program at Rutgers School of Health Professions offers a more structured educational experience. Students generally have the opportunity to rotate through different hospitals and experience a range of practice settings. This program can provide a more comprehensive understanding of laboratory medicine and prepare the student for a wider range of career opportunities.

Medical Technology BS (Hospital Internship Program) – A hospital-based internship offers hands-on experience in a clinical laboratory setting, allowing skills and knowledge to develop under the guidance of working professionals. Students have the opportunity to rotate through different departments within the laboratory, gaining exposure to a variety of laboratory techniques and instrumentation. This experience can be particularly valuable if a student is interested in pursuing a career in a specific area of laboratory medicine. The hospital-based experience, with rotations to multiple departments within the single hospital system, and with many opportunities for hospital personnel to engage the student as a prospective employee, often leads the student to employment in that hospital.

Geography may also play a role in your preference. The Allied Health faculty and staff at FDU will have at least anecdotal and sometimes statistical guidance about each of these options.

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[Back to Top](#)

Nursing BSN

The Bachelor of Science in Nursing (BSN) program develops a student to become a professional nurse who is prepared to practice in many settings, across the lifespan, and with diverse populations, and whose practice is based upon nursing science and related arts and sciences. Graduates of the program are qualified for the role of a baccalaureate prepared generalist nurse as described by the American Association of Colleges of Nursing and are eligible to take the NCLEX-RN for licensure as a registered nurse.

Admission Requirements

- Graduation from an accredited secondary school with a record indicating the potential to succeed in college.
- Completion of the following high school studies:
  - 4 units of English
  - 1 unit of Chemistry + Lab
  - 2 units of History
  - 1 unit of Biology + Lab
  - 2 units of college preparatory Mathematics

- At least 16 high school academic units
- GPA of 3.0 or higher

FDU Students Interested in Changing Major into the Nursing Program

Nursing curricula will begin in the fall semester of sophomore year for students who change their major to the nursing program. Students can apply/process the change of major form after meeting the following requirements:

- Completion of all first-year courses in Sciences, Math, Writing, and University Core (see academic program plan below)
- Cumulative GPA of 2.67 or higher
- Repeat of any Science and Math course only once, and achievement of a grade of B-

NOTES

- Science labs must have been taken in-person.
- A 4-credit general chemistry or higher-level chemistry course, with in-person lab, and earned grade of B- or higher in both lecture and lab, can substitute for CHEM1107/CHEM1117. Introduction to Chemistry is not a sufficient substitution.
- Statistics course must include descriptive and inferential statistics. Introduction to Statistics is not a sufficient substitution. Course can be confirmed using NJTransfer against FDU benchmarks of PSYC2210, MATH2335/MATH2337, or higher level.
- Students must achieve a grade of C (74+) in all general education courses, electives, and major electives, to receive credit toward the BSN degree. Students who apply for change of major into the Nursing Program will not be deferred because of a lower grade in such courses (as long as other criteria are met) but will need to repeat the course to receive credit toward the degree.

Curriculum

BSN General Education Requirements* (43 credits)

- **Written & Oral Communication (9 credits)**
  - WRIT1002 Composition I: Rhetoric and Inquiry
  - WRIT1003 Composition II: Research and Argument
  - Oral Communication: Select from GenEd options

- **Information and Technological Literacy (3 credits)**
  - Select from GenEd options

- **Ethical Reasoning (3 credits)**
  - MEDT1130 Bioethics

- **Global and Cultural Understanding (6 credits)**
  - UNIV2001 Cross-cultural Perspectives
  - UNIV2002 Global Issues

- **Scientific and Quantitative Analysis (8 credits)**
  - BIOL2203/BIOL2223 Anatomy and Physiology I + Lab
  - Select from: MATH1105 College Algebra; *OR* MATH1107 Precalculus; *OR* MATH1201 Calculus I; *OR* MATH1203 Calculus I

- **Social and Behavioral Analysis (6 credits)**
  - Social Science: Select from GenEd options
  - Behavioral Science: Select from GenEd options

- **Inquiry in the Arts & Humanities (6 credits)**
  - Creative & Expressive Arts: Select from GenEd options
  - Humanities: Select from GenEd options

- **University Core (2 credits)**
  - UNIV1001 Transitioning to University Life
  - UNIV1002 Preparing for Professional Life

BSN Major Requirements (68 credits)

- BIOL2204/BIOL2224 Anatomy and Physiology II + Lab
- BIOL2125/BIOL2126 Microbiology for Health Sciences & Lab
- CHEM1107/CHEM1117 Chemistry for Health Sciences + Lab
- NURS2007 Pharmacotherapeutics
- MEDT2210 Pathophysiology
- NURS2500/NURS2501 Foundations of Nursing I
- NURS2600/NURS2601 Foundations of Nursing II
- NURS2550/NURS2551 Comprehensive Health Assessment
- NURS3500/NURS3501 Nursing Management of Adults I
- NURS3550/NURS3551 Nursing Management of Psychosocial Problems
- NURS3600/NURS3601 Nursing Management of Women, Newborn, and Families
- NURS3650/NURS3651 Nursing Management of Children & Families

- [NURS4600](#)/[NURS4601](#) Nursing Management of Adults II
- [NURS4460](#) Prep for Success
- STATISTICS: Select either [MATH1133](#) Applied Statistics *OR* [PSYC2210](#) Psychological Statistics
- [MEDT3204](#) Social Determinants of Health
- [MEDT2217](#) Information Systems and Applications in Healthcare
- [MEDT4430](#) Utilization of Healthcare Research

Elective Requirements (9 credits)

- Electives in the major (minimum 6 credits – select from NURS or MEDT courses)
- Free electives (up to 3 credits)

Academic Program Plan

NURS didactic courses are routinely scheduled with weekly synchronous lecture or recitation sessions (including both Zoom and in-person synchronous sessions). Because of the volume of content in these courses, online accessibility to a recording is provided, where possible, so students can review the material. Use of asynchronous attendance in lieu of synchronous attendance, as a primary strategy, is not advised. Rather, asynchronous viewing is for students who have an occasional academic conflict or are ill. **Optimal success is associated with synchronous attendance, when it is offered, in NURS didactic courses.**

Accuplacer reading/writing scores and math assessment scores will determine which reading/writing and math courses first time, first year students will take. Those with reading/writing placement scores below the standards must complete courses in prerequisite skills (e.g., [WRIT1000](#), [WRIT1001](#), [READ1000](#)). Those with math placement scores below the standards must complete courses in prerequisite skills (e.g., [MATH0298](#), [MATH1100](#)). These credits are applied toward free electives or are non-credit-bearing. **This requirement applies to all first time, first year students, even if they have been accepted into the BSN Program Track.

1st Semester (15 credits)

- [WRIT1002](#) Composition I: Rhetoric & Inquiry* (3 cr)
- [BIOL2203](#)/[BIOL2223](#) Human Anatomy and Physiology I + Lab* [must pass to progress] (4 cr)

- CHEM1107/CHEM1117 Chemistry for Health Sciences + Lab [must pass to progress] (4 cr)
- UNIV1001 Transitioning to University Life* (1 cr)
- Social Science* *OR* Behavioral Science* *OR* Information and Technological Literacy*: Select from GenEd options (3 cr)

2nd Semester (16 credits)

- WRIT1003 Composition II: Research & Argument* (3 cr)
- BIOL2125/BIOL2126 Microbiology for Health Sciences & Lab [must pass to progress] (4 cr)
- BIOL2204/BIOL2224 Human Anatomy and Physiology II & Lab [must pass to progress] (4 cr)
- Select from: MATH1105 College Algebra; *OR* MATH1107 Precalculus; *OR* MATH1201 Calculus I; *OR* MATH1203 Calculus I* [must pass to progress] (4 cr)
- UNIV1002 Preparing for Professional Life* (1 cr)

3rd Semester (16 credits)

- NURS2500/NURS2501 Foundations of Nursing I (3 cr)
- Social Science* *OR* Behavioral Science* *OR* Information and Technological Literacy*: Select from GenEd options (3 cr)
- NURS2550/NURS2551 Comprehensive Health Assessment (4 cr)
- MEDT2210 Pathophysiology (3 cr)
- UNIV2001 Cross-Cultural Perspectives* (3 cr)

4th Semester (15 credits)

- NURS2600/NURS2601 Foundations of Nursing II (3 cr)
- NURS2007 Pharmacotherapeutics (3 cr)
- UNIV2002 Global Issues* (3 cr)
- Creative & Expressive Arts* *OR* Humanities*: Select from GenEd options (3 cr)
- Social Science* *OR* Behavioral Science* *OR* Information and Technological Literacy*: Select from GenEd options (3 cr)

5th Semester (14 credits)

- NURS3500/NURS3501 Nursing Management of Adults I (5 cr)
- Oral Communication: Select from GenEd options* (3 cr)
- MEDT1130 Bioethics* or MEDT3204 Social Determinants of Health (3 cr)
- Creative & Expressive Arts: Select from GenEd options* *OR* Humanities: Select from GenEd options* (3 cr)

6th Semester (16 credits)

- NURS3600/NURS3601 Nursing Management of Women, Newborn, and Families (5 cr)
- NURS3650/NURS3651 Nursing Management of Children & Families (5 cr)
- MEDT2217 Information Systems and Applications in Healthcare (3 cr)
- Major Elective (3 cr)

7th Semester (14 credits)

- NURS3550/NURS3551 Nursing Management of Psychosocial Problems (5 cr)
- STATISTICS: Select either MATH1133 Applied Statistics *OR* PSYC2210 Psychological Statistics (3 cr)
- MEDT4430 Utilization of Healthcare Research (3 cr)
- Major Elective (3 cr)

8th Semester (14 credits)

- NURS4600/NURS4601 Nursing Management of Adults II (5 cr)
- NURS4460 Prep for Success (3 cr)
- MEDT1130 Bioethics* or MEDT3204 Social Determinants of Health (3 cr)
- Elective (3 cr)

To Apply for this Program:

Apply for undergraduate nursing programs at
https://fdu.elluciancrmrecruit.com/Apply/Account/Login

Contact Information

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(201) 692-2880

[Back to Top](#)

Nursing BSN Accelerated

The Accelerated Bachelor of Science in Nursing (ABSN) program welcomes individuals who have baccalaureate degrees in fields other than nursing. The program honors diverse academic and life experiences and provides an opportunity to enter the nursing profession in a concentrated 15-month timeframe. Graduates of the program are qualified for the role of baccalaureate-prepared generalist nurse as described by the American Association of Colleges of Nursing and are eligible to take the NCLEX-RN for licensure as a registered nurse (RN).

ABSN students need 120 credits needed to earn the BSN degree. Students will receive 45 general education ("GenEd") credits from their prior degree applied towards the BSN. In addition, students will receive 19 credits for completing the program prerequisite courses. There are 56 additional credits of coursework in the ABSN program needed to earn the BSN degree. Prior learning credit for other courses, such as to fulfill the major (NURS or MEDT) elective and other MEDT course requirements, will be considered on a case-by-case basis.

Admissions to the ABSN program are on a rolling basis. Students begin as a cohort in Summer. If you have completed a baccalaureate degree program and are seeking to become an RN, please also consider our Nursing MSN Entry-to-Practice program which offers admissions on a rolling basis, with students able to begin in Fall, Spring, or Summer.

Admission Requirements

- An earned baccalaureate degree from a regionally accredited college or university.
- An undergraduate cumulative GPA of 3.0 or higher.
- Completion of the following academic prerequisites (taken within the last 10 years, from a regionally accredited university, with **in-person** labs, with a **minimum Grade of B-**):
    - **Human Anatomy and Physiology – 8 credits with in-person lab.** Course can be confirmed using NJTransfer against FDU benchmarks of BIOL2203/BIOL2223 and BIOL2204/BIOL2224.
    - **General Chemistry – 4 credits with in-person lab.** Introduction to Chemistry is not a sufficient substitution. Course can be confirmed using NJTransfer against FDU benchmarks of CHEM1107/CHEM1117 or higher level.
    - **Microbiology – 4 credits with in-person lab.** Course can be confirmed using NJTransfer against FDU benchmarks of BIOL2125/BIOL2126 or higher level.
    - **Statistics – 3 credits.** Statistics course must include descriptive and inferential statistics. Introduction to Statistics is not a sufficient substitution. Course can be confirmed using NJTransfer against FDU benchmarks of PSYC2210, MATH2335/MATH2337, or higher level.

Academic Program Plan

Summer Semesters (19 credits)

- NURS2500/NURS2501 Foundations of Nursing I (3 cr)
- NURS2550/NURS2551 Comprehensive Health Assessment (4 cr)
- NURS2007 Pharmacotherapeutics (3 cr)
- MEDT2210 Pathophysiology (3 cr)
- NURS2600/NURS2601 Foundations of Nursing II (3 cr)
- Major Elective (3 cr) (can complete at any point in program)

Fall Semester (15 credits)

- NURS3500/NURS3501 Nursing Management of Adults I (5 cr)
- NURS3600/NURS3601 Nursing Management of Women/NB & Families (5 cr)

- [NURS3650](#)/[NURS3651](#) Nursing Management of Children & Families (5 cr)

Spring Semester (14 credits)

- [NURS3550](#)/NURS3551Nursing Management of Psychosocial Problems (5 cr)
- [MEDT3204](#) Social Determinants of Health (3 cr)
- [MEDT2217](#) Information Systems and Applications in Healthcare (3 cr)
- [MEDT4430](#) Utilization of Healthcare Research (3 cr)

Summer Semester (8 credits)

- [NURS4600](#)/[NURS4601](#) Nursing Management of Adults II (5 cr)
- [NURS4460](#) Prep for Success (3 cr)

FAQ's

Frequently asked questions

What are the application deadlines?
The recommended application deadline is December 1 for the 15-month program starting the following May.

Which application do I fill out?
Fill out an undergraduate transfer student application located online at www.fdu.edu/apply

Can I take the prerequisite classes at FDU before applying to the ABSN program?
Yes, you can take outstanding prerequisite classes at FDU as a non-degree seeking student. Visit https://www.fdu.edu/admissions/adult/ for more information.

Will I be able to complete this program while maintaining a full-time job?
The ABSN program is considered a full-time program. Students are expected to be available ~40 hours/week to complete coursework and clinicals. Typically, students have found it difficult to maintain a full-time job and be successful in the program.

Does my course from my previous university meet the requirement?

There are so many factors to consider! Please email your question to myapp@fdu.edu and we will connect you with an admissions representative who will further assist you.

What is the overall cost of the program?
Please contact Enrollment Services at 201-692-2214 for additional information.

Contact Information

Dr. Sylvia Cabassa (Director, Entry-Level Nursing Program)
scabassa@fdu.edu
(201) 692-2880

[Back to Top](#)

Nursing RN to BSN: Degree Completion Program

The "RN to BSN" degree completion program is designed for the licensed Registered Nurse who has completed an Associate degree program or hospital-based education program. **Many students will be able to achieve the BS degree in as few as 30 credits.** The program can be taken on a full-time or part-time basis, with most courses available in online, asynchronous format.

Individual program plans are based on a student's prior learning:

- Completion of AA or AS degree program in NY or NJ, or
- Completion of AAS degree program, or other AA or AS degree program +/- additional credits, or
- Completion of Hospital-Based training program +/- additional credits.

A minimum of 120 credits is required for graduation, of which 30 credits must be taken at FDU.

Students who have completed the requirements for licensure in nursing and are currently licensed as an RN will receive 30 credits for prior learning (contingent upon review of documentation) toward the BSN degree.

Students with an AA or AS degree in NY or NJ will ALSO: (1) receive 60 credits toward the BSN degree; (2) have GenEd requirements waived; and (3) be able to substitute major electives for University Requirements (6 credits).

Students with AA or AS degree from another state, or students with an AAS degree will ALSO: (1) be able to transfer up to 60 credits toward the BSN degree, including to complete GenEd requirements; and (2) be able to substitute major electives for University Requirements (6 credits).

Students who completed a hospital-based training program will ALSO (1) receive 30 credits toward the BSN degree; and (2) be able to transfer up to 30 credits from an approved university toward the BSN degree, including completing GenEd requirements.

Admission Requirements

- License to practice as a Registered Nurse (RN) in the U.S.
- Evidence of potential to succeed in college.

Curriculum

Modified BS General Education Requirements

GenEd requirements are waived for students who completed an AA or AS degree program in NY or NJ. Transfer credits (from recognized institutions) can be applied to fulfill GenEd requirements for other students.

- MEDT1130 Bioethics – 3 credits
- WRIT1002 Composition I: Rhetoric and Inquiry – 3 credits
- WRIT1003 Composition II: Research and Argument – 3 credits
- Inquiry in the Arts & Humanities – 3 credits
- Information & Technology Literacy – 3 credits

University Requirements (6 credits)

Students who completed an AA or AS degree program in NY or NJ may take a NURS or MEDT elective course in lieu of [UNIV2001](#) and/or [UNIV2002](#) (up to 6 credits). Transfer credits cannot be applied to fulfill these University Requirements.

- [UNIV2001](#) Cross-cultural Perspectives
- [UNIV2002](#) Global Issues

Major Requirement (3 credits)

- [MEDT4307](#) Health Studies Practicum

Major Elective Requirement (minimum 15 credits)

Transfer credits cannot be applied to fulfill these requirements. **Students will choose among NURS or MEDT courses such as these and others**:

- [MEDT3204](#) Social Determinants of Health
- [MEDT2217](#) Information Systems and Applications in Healthcare
- [MEDT4430](#) Utilization of Healthcare Research
- [MEDT4304](#) Population Health
- [MEDT3351](#) Epidemiology in Healthcare
- [MEDT3208](#) Introduction to Healthcare Economics
- [MEDT4301](#) American Health Care
- [MEDT3353](#) Introduction to Normal and Therapeutic Nutrition
- [MEDT4302](#) Health Care Law and Policy
- [MEDT4308](#) Management Principles for Healthcare
- [MEDT4303](#) Introduction to Global Health
- [MEDT2006](#) Medical Terminology

Free Elective Requirement (up to 9 credits)

Transfer credits cannot be applied to fulfill these requirements.

Academic Program Plan

Sample full-time plan for Fall Start (actual plan based on prior learning):

- UNIV2001 Cross-cultural Perspectives (3 credits) (Fall)
- MEDT4307 Health Studies Practicum (3 credits – 90 practice hours) (Fall)
- Choose TWO (6 credits): MEDT3204, MEDT4301, MEDT3351, MEDT4308, MEDT4430 (Fall)
- MEDT2006 Medical Terminology (3 credits) (Winter)
- Choose THREE (9 credits): MEDT2217, MEDT3204, MEDT3351, MEDT3208, MEDT3353, MEDT4303, MEDT4304 (Spring)
- Free Electives (6 credits) (Spring)

Total credits: 30. Total practice hours: 90.

Cost of Attendance

Students can complete this degree program in as little as one year (i.e., 15 credits in Spring and 15 credits in Fall) as a full-time student. The tuition rate for full-time students is discounted from the individual credit rate and can be found on the FDU tuition webpage. All full-time applicants are automatically considered for merit awards. Merit awards are based on the student's cumulative college GPA and range up to $16,000/year. Many regional healthcare organizations also offer special pricing and/or tuition support for FDU programs – please inquire with your employer.

There is also a significant tuition discount for part-time students in this program track, such that degree completion can often be achieved for under $20,000 (and often can be covered in full by employee tuition assistance programs). Please see our nursing home page for the current tuition discount for students pursuing an RN to BSN completion degree.

Contact Information

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Philosophy BA

As the traditional liberal arts discipline that emphasizes questioning, reasoning, and inquiring into all human values, Philosophy provides a rich undergraduate major that can lead students to a variety of career choices. Because students of philosophy develop high degrees of critical thinking skills, they may pursue careers in law, business, and other fields as well as in the traditional career paths for philosophy students in teaching and research.

Program Outcomes

Logical Reasoning: Detect, identify and evaluate deductive and inductive arguments; assess by the formal standards that apply in each case (deductive, inductive reasoning); detect, identify and support charge of, fallacious reasoning; ensure consistency of sets of claims that constitute theory or viewpoint; ensure there is no logical absurdity incurred by theoretical definitions, principles, methods or claims;

Moral Reasoning: Identify and evaluate normative claims, arguments and theories; learn, critically discuss and master application of reigning theories and methods including Deontology, Utilitarianism, Principlism, Virtue Theory, Natural Law, Aristotelian Ethics, and Contractarianism; grasp the significance of the is/ought distinction and detect fallacies stemming from ignoring this distinction; learn, analyze and critically discuss such metaethical views as Noncognitivism, Emotivist and Wittgenstein's language-based critique of moral discourse; understand and critically discuss challenges and problems like Relativism, evolution-theoretical viewpoints, "moral luck" and paradoxes associated with trolley-problems in moral decision making.

Analysis of Theories: Show deep understanding of the criteria good theories must meet and explain why there is a match between criteria and expectations about theories; apply criteria in reasoned fashion with a view to assessing theories; grasp and

apply logical criteria pertaining to theory assessment (consistency and coherence, non-trivial disability, non-falsifiability); present examples of good and bad theories and account for the assessment of the theories;

Textual Analysis: Comprehend and answer penetrating questions about philosophic texts or conceptual and critical claims raised in any text; discuss text analytically evaluating cogency of arguments in the text, consistency and coherence, underlying and implied claims and presuppositions and how the text is related to other relevant texts and to philosophic and other problems in the history of thought; tolerate and react analytically and critically to creative ambiguity; detect, show, critique and eliminate, if possible, flaws like ambiguity, vagueness, formal or informal fallaciousness;

Locating in Context: Identify key concepts, debates, historic developments, problems and solutions as well as critiques, seminal texts, and theories within relevant historical and other contexts in Metaphysics, Epistemology, Logic and Philosophy of Logic, Ethics and Metaethics, Political Philosophy.

Research and Writing: Research a topic in depth on the basis of authoritative sources and produce a sustained piece of formal writing, written with supporting arguments and thorough analysis while also showing proper source documentation.

Oral Presentation: Make a sustained and thorough presentation of a position, fully supported by good arguments, regarding a philosophic problem, viewpoint, solution or critique; answer question in analytic, detailed, fully supported fashion; pose probing questions that show grasp of the material; discuss chosen or assigned paper topic.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Major Requirements (30-45 credits)

6 credits from the MAJOR may be applied towards General Education Requirements.

Required major courses (9 credits)

- PHIL1101 Introduction to Logic
- PHIL1102 Introduction to Philosophy
- PHIL4401 Philosophy Seminar

Major electives (21-36 credits)

- The student must see Undergraduate Studies bulletin or consult with his/her adviser for distribution recommendations

Note: Three credits in Internship experience may be used to fulfill a major elective requirement.

6 credits from the MINOR may be applied towards General Education Requirements.

Contact Information

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[Back to Top](#)

Psychology BA

The School of Psychology and Counseling offers a four-year BA in Psychology with optional tracks in

- Consumer Psychology
- Forensic Psychology
- Mental Health

The school also offers five-year accelerated BA/MA programs in

- General/Theoretical psychology
- Industrial/Organizational Psychology
- Master's in Social Work (MSW)

The QUEST (Quality in Education, Schools, and Teaching) program is open to students who want to be certified to teach at the elementary or secondary school levels. There are also three QUEST options that allow students to complete their BA and MAT in five years with a psychology major:

- BA in Psychology MAT/QUEST Elementary
- BA in Psychology MAT/QUEST Elementary & Special Education
- BA in Psychology MAT/QUEST P-3 Certification Program
- BA in Psychology MAT/QUEST ESL Program
- BA in Psychology MAT/QUEST Elementary Education- ESL

All psychology programs offer a wide range of courses at both introductory and advanced levels in areas such as developmental, social, abnormal, personality, and experimental psychology, and in special topic areas such as techniques of psychotherapy, drugs, and behavior, health psychology, sport psychology, psychology, and the law, and current issues in psychology.

Program Outcomes

The School of Psychology has five learning outcomes consistent with those identified by the American Psychological Association (APA, 2003) Task Force on Undergraduate Learning Goals and Outcomes.

- Research Methods Learning Objectives: Students will understand and apply basic research methods in psychology, including research design, data analysis, and interpretation.
- Writing Abilities Learning Objectives: Students will write effectively, communicate clearly in the language of the discipline of psychology, and utilize proper writing mechanics.
- Critical Thinking Skills Learning Objectives: Students will respect and use critical and creative thinking, skeptical inquiry, and when possible, the scientific approach to solve problems related to behavior and mental processes.
- Knowledge Base Learning Objectives: Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.
- Public Speaking and Oral Presentation Skills Learning Objectives: Students will speak effectively, communicate knowledge in the discipline of psychology, and utilize proper oral presentation mechanics.

Degree Plan

The curriculum and courses, which will serve as preparation for graduate studies required for work in various fields of professional psychology, are designed to help all students develop a scientific understanding of human behavior. They are particularly useful as an undergraduate background for those who will later enter such professions as law, social work, medicine, nursing, and teaching, or for those who will move into managerial positions in industry or government.

Psychology Major (No Track) (38 credits)

Required Major Courses (14 credits)

- PSYC1201 General Psychology
- PSYC2210 Statistics
- PSYC2211 Research Methods
- PSYC2221 Psyc Statistics Lab
- PSYC4500 Senior Seminar in Psychology (or) PSYC4291 History & Systems

Learning/Cognition/Psychological Domain(1 course [3 credits] needed)

Courses that satisfy domain

- PSYC3032 Physiological Psychology
- PSYC3331 Theories of Learning
- PSYC3335 Cognitive Psychology
- PSYC3333 Sensation and Perception

Social/Personality Domain (1 course [3 credits] needed)

Courses that satisfy domain

- PSYC3015 Theories of Personality
- PSYC2234 Social Psychology

Clinical/Developmental Domain (1 course [3 credits] needed)

Courses that satisfy domain

- [PSYC3313](#) The Dark Side of Behavior at Work
- [PSYC2204](#) Child Development
- [PSYC3305](#) Adolescent Growth and Development
- [PSYC3306](#) Psychology of Aging

Applications of Psychology Domain (1 course [3 credits] needed)

Courses that satisfy domain

- [PSYC3322](#) Industrial Psychology
- [PSYC4398](#) Computer Applications
- [PSYC4435](#) SS: Psychology of Financial Decision Making
- [PSYC4309](#) Advanced Social Psychology
- [PSYC3308](#) Educational Psychology

Major Psychology Electives (4 courses [12 total credits])

Courses that satisfy the domain: any psychology course

Tracks

Mental Health Track Courses (12 credits)

Select 4 courses from the following:

- [PSYC3321](#)   The Interview
- [PSYC3393](#)   Child Behavior Disorders
- [PSYC3381](#)   Field Placement
- [PSYC3305](#)   Adolescent Growth & Development (or)
- [PSYC3306](#)   Psychology of Aging
- [PSYC4376](#)   Advanced Abnormal Psychology (or)
- [PSYC4391](#)   Techniques of Psychotherapy
- [CRIM3324](#)   Community Resource Management
- [CRIM3326](#)   Rehabilitative Strategies
- [CRIM3320](#)   Interviewing & Counseling

Forensic Psychology Track Courses (12 credits)

Select 4 courses from the following:

- [CRIM1101](#)   Introduction to Criminal Justice [required]
- [CRIM2204](#)   Juv. Justice & Delinquency [required]
- [PSYC3317](#)   Psychology & the Law [required]
- [PSYC3421](#)   Psychology of Criminal Behavior
- PSYC____   Field Placement, Independent Study in Psychology

Consumer Psychology Track Courses (12 credits)

Select 4 courses from the following:

- [MKTG2120](#)   Principles of Marketing [required]
- [MKTG3344](#)   Marketing Research
- [MKTG4272](#)   Consumer Behavior
- [MKTG4365](#)   Marketing Communications
- [MKTG4405](#)   Adv Marketing Management

Special Information

The following offers more details about the tracks available for psychology majors.

The **mental health** track provides specialized coursework and practical experience that will make one more attractive to employers (e.g., mental health services, child care, casework) immediately after graduation. These tracks also provide a competitive edge when seeking admission to applied graduate programs (e.g., clinical & school psychology; social work). The course work gives an in-depth analysis of psychopathology and permits a greater understanding of the various therapeutic approaches. At the same time, students receive "hands-on" experience at a practicum site of their choice to help facilitate the integration of theory and practice.

The **forensic psychology** track affords students an introduction to the dynamic fields of criminal justice and forensic psychology, integration of forensic science disciplines with criminal investigations, and training in psychological theory, research methods, and the application of psychological principles to specific areas of the legal system. At the same time, students enrolled in this track may receive "hands-on" experience at a practicum site of their choice to help facilitate the integration of theory and practice. Students will come away with an interdisciplinary background appropriate for careers in psychology, social work, law enforcement, or other criminal justice professions.

The **consumer psychology track** is ideal for students who want an applied business-oriented focus (with a marketing emphasis) to their training, but do not want to be business majors. Students in this track will take the required core psychology courses along with courses from the marketing department. This track will provide students with an understanding of human responses to product- and service-related information and experiences and will prepare them to work in private industry, non-profit, and government agencies in positions related to marketing research, advertising, designing/evaluating community-wide interventions, public health campaigns, social marketing, etc.

Psychology BA Psychology MA: combined degree

The accelerated BA/MA programs in General/Theoretical Psychology and Industrial/Organizational Psychology combine the undergraduate BA in Psychology and graduate (MA) degrees in these areas. These programs allow students to complete a bachelor's and a master's degree in just five years. The savings in time and tuition are accomplished through a process of cross-crediting 15 undergraduate and graduate credits. Within the undergraduate portion of the program, it is possible to complete one of the specialized undergraduate tracks described above, without incurring additional undergraduate credits. The 3+2 combined BA in Psychology and a Master's in Social Work (in conjunction with FDU's online Social Work program) also allows students to complete the typical BA/MSW course sequence in five years, rather than the usual six years of full-time study.

Degree Plan

The following BA Psychology degree requirements apply to all tracks listed below.

Required Major Courses (14 credits)

- PSYC1201 General Psychology
- PSYC2221 Psyc Statistics Lab
- PSYC2210 Statistics
- PSYC2211 Research Methods
- PSYC4500 Senior Seminar in Psychology (or) PSYC4501 Advanced Senior Seminar (or) PSYC4291 History and Systems of Psychology

Learning/Cognition/Psychological Domain(1 course [3 credits] needed)

Courses that satisfy domain

- PSYC3032 Physiological Psychology
- PSYC3331 Theories of Learning
- PSYC3335 Cognitive Psychology
- PSYC3333 Sensation and Perception

Social/Personality Domain (1 course [3 credits] needed)

Courses that satisfy domain

- PSYC3015 Theories of Personality
- PSYC2234 Social Psychology

Clinical/Developmental Domain (1 course [3 credits] needed)

Courses that satisfy domain

- PSYC3313 The Dark Side of Behavior at Work
- PSYC2204 Child Development
- PSYC3308 Educational Psychology
- PSYC3306 Psychology of Aging

Applications of Psychology Domain (1 course [3 credits] needed)

Courses that satisfy domain

- PSYC3322 Industrial Psychology

- [PSYC4398](#) Computer Applications
- [PSYC4435](#) SS: Psychology of Financial Decision Making
- [PSYC4309](#) Advanced Social Psychology
- [PSYC3308](#) Educational Psychology
- [PSYC3014](#) Psychology in Film

Major Psychology Electives (1 course [3 total credits])

Courses that satisfy domain: any psychology course

General Theoretical Track Graduate Courses
(36 credits)

Admission Requirements

Students must have completed 12 credits in psychology and have an overall GPA of at least 3.0. Students' academic and work experiences should reflect a strong potential for successfully completing the academic requirements of the accelerated BA/MA program. Academic potential will be determined by the School of Psychology on the basis of the following:

- Academic transcripts
- A minimum of two letters of recommendation
- A personal statement regarding academic and career goals

Students will be allowed to continue in the graduate component of the five-year degree program upon evaluation of performance in the undergraduate component of the program; this evaluation will be performed by a committee of psychology faculty at the end of each student's fourth year. With regard to credits earned in graduate courses, students are required to maintain a minimum overall grade point ratio of 2.75 and must not earn more than two C level grades throughout their graduate coursework. Students receiving two or more grades below a B- in core courses will not be permitted to continue in the program. Students in this circumstance who are not permitted to continue in the graduate program will receive the BA in psychology upon successful completion of their undergraduate curriculum (a total of 120 credits).

A written comprehensive examination of the candidate's knowledge of general is required at the end of the graduate component of the program. The comprehensive examination may be taken only twice. Failure to pass the comprehensive examination will result in dismissal from the program.

Industrial Organizational Psychology Graduate Courses
(38 credits)

The specialization in industrial/organizational psychology is designed to equip the graduate with a working knowledge of practices and procedures for applying psychology in a variety of organizational settings.

Admission Requirements

Students must have completed a minimum of 60 undergraduate credits in an accredited two-year or four-year college or university, with a minimum of 9 credits in psychology. A course in statistics must be completed before applying. If students are transferring into the University, they must have completed at least 9 credits at FDU before they can apply. Students' academic and work experiences should reflect a strong potential for successfully completing the academic requirements of the accelerated BA/MA program. Academic potential will be determined by the graduate Admissions Committee of the Department of Psychology and Counseling on the basis of the following:

- Completed application
- Academic transcripts
- Three letters of recommendation
- A résumé indicating prior work and life experience
- A personal statement regarding academic and career goals
- A personal interview

The decision to accept applicants will be made on the basis of the foregoing data.

Required Major courses (26 credits)

- PSYC1201 General Psychology
- PSYC2221 Psyc Statistics Lab
- PSYC2210 Psychological Statistics
- PSYC2211 Experimental Psychology
- PSYC3313 The Dark Side of Behavior at Work
- PSYC2234 Social Psychology
- PSYC3322 Industrial Psychology

- PSYC4291 History & Systems of Psychology

Undergraduate Major Electives (1 course [3 credits] needed)

- PSYC3032 Physiological Psychology
- PSYC3331 Theories of Learning
- PSYC3333 Sensation and Perception
- PSYC3335 Cognitive Psychology

Required Graduate courses (15 credits) (3.0 GPA required)

(15 dual credits to be used to complete BA degree)

- PSYC6300 Psychological Statistics
- PSYC6301 Group Dynamics & Team Leadership
- PSYC6303 Research Design in I/O Psychology
- PSYC6304 Personnel Selection
- PSYC6305 Psychometrics

The BA degree (120 credits) must be completed before the additional graduate courses may be taken for the MA degree)

Required Graduate courses (21 credits) (3.0 GPA Required)

- PSYC6302 Organizational Psychology
- PSYC6306 Methods in I/O Psychology
- PSYC6308 Human Resources Development
- PSYC7700 I/O Internship
- COUN7706 Lifestyle & Career Counseling

Graduate Thesis or Electives (6 credits)

Students may complete a research thesis OR complete Techniques of Interviewing and Leadership Studies.

- PSYC7803 Research and Thesis I
- PSYC7804 Research and Thesis II (OR)
- PSYC6307 Techniques of Interviewing

- [PSYC7745](#) Leadership Studies

Research Opportunities:

Students are encouraged to work with faculty on research. A variety of opportunities are available to help students understand the research process and learn how to conduct their own research studies. The following opportunities are available to our students:

- Work on Fairleigh Dickinson's own *Journal of Psychology and the Behavioral Sciences* which publishes student research. Students can submit their own research, review submissions, edit accepted articles, and/or help format articles for publication.
- Complete a thesis research project as part of the MA program.
- Work with faculty on their ongoing research projects. This could entail a variety of activities such as preparing materials for presentations, searching for related published research in databases, data entry, preparation of tables and charts, data collection and analysis, and assisting in the writing and editing of articles.

BA in Psychology/MSW in Social work (3+2)

Application Requirements

Students must have completed 12 credits in psychology and have an overall GPA of at least 3.0. Students must apply for the program prior to earning 80 credits toward their undergraduate degree. Students' academic and work experiences should reflect a strong potential for successfully completing the academic requirements of the BA/MSW program. Academic potential will be determined on the basis of the following (this is to be submitted to the psychology department):

- Academic transcripts
- A minimum of two letters of recommendation
- A personal statement regarding academic and career goals
- A resume

Program Information

- Psychology majors will complete 90 credits toward the undergraduate degree by the end of their third year. The remaining 30 credits will be completed in their 1st year of the MSW program.

- o 9 credits in the MSW program will count toward PSYC major electives.
  - o 21 credits in the MSW program will count toward general free electives (undergrad PSYC majors currently have 35-37 free elective credits).

- Students will transition to the BA/MSW check sheet upon enrollment.
- Minors must be completed by the end of the 3rd year (90 credits)/prior to beginning the MSW coursework.
- The 4th and 5th year for the student will be the 1st and 2nd year in the MSW program and courses will follow the program requirements (https://online.fdu.edu/online-degrees/msw-master-social-work/).

[Back to Top](#)

QUEST BA/BS, Teaching MAT: combined degree

QUEST Teacher Preparation Program – An Accelerated, Combined Degree (BA/BS-MAT)

The QUEST Program has received widespread recognition for its five-year combined (BA/BS-MAT) degree design. This unique program provides students the opportunity to pursue professional studies for teacher preparation leading to state teacher licensure while earning a bachelor's degree in a liberal arts or science major and a Master's of Arts in Teaching (MAT) degree.

The program is open to students who wish to be certified to teach at the early childhood, elementary, or secondary school level, or in English as a Second Language. Secondary certification generally matches the candidate's content major. All tracks result in the BA

or BS degree in a liberal arts/science major with graduate-level advanced coursework toward a Master of Arts in Teaching (MAT) degree.

Candidates may also earn a second certification in special education through the QUEST dual certification program. The Dual Certification Program must be started no later than the sophomore (2nd) year of the QUEST Program.

As future teachers who will be responsible for preparing future generations to live and work in a global society and economy, QUEST students explore diversity through their formal studies, projects, and field-based (clinical) experiences in a wide range of schools and communities settings. Throughout the curriculum, they are exposed to and examine issues related to diversity in language, culture, race and ethnicity, lifestyles, and other mitigating factors which contribute to student learning and success. Candidates explore their own values, attitudes, and behaviors, and consider the implications for their role as teachers.

Program Claims

The QUEST Program produces teaching candidates who are:

- Qualified to teach subject matter
- Competent in pedagogy
- Caring professionals
- Technologically proficient
- Culturally responsive to the needs of diverse learners
- Reflective practitioners who embrace the concept of lifelong learning
- Prepared to move from undergraduate courses in education into the MAT graduate level courses in education
- Prepared to obtain their instructional certification from the New Jersey Department of Education

Admission to QUEST for Fall

As a Freshman

- 3.0 high school GPA
- 1080 or better on SATs (Verbal and Math)
    - Our goal is if you took the SATs after 3/1/16 Reading 610, Math 570 will exempt you from the Praxis Core Battery

o ACT of 23 will exempt you from the Praxis Core Battery

- Enrollment in WRIT1002 (Composition I)

As a Sophomore

- 3.0 university GPA
- Completion of WRIT1002 (Composition I)
- 3.0 cumulative GPA required for certification

For those who have not taken the SAT or ACT

- 3.0 high school GPA
- You will be required to take the CORE Battery before you reach 45 credits.
- You must pass all 3 subtests by the time you reach 60 credits
- You may begin to take the CORE exams at any time after your junior year in high school.

To Be Certified You Need to Take	Test Code	Qualifying Score
Core Academic Skills for Educators: Reading	5713	156
Core Academic Skills for Educators: Writing	5723	162
Core Academic Skills for Educators: Mathematics (On-screen four-function calculator provided.)	5733	150

- If you wish to take all three computer-delivered Core Academic Skills for Educators exams (5713, 5723, 5733) at the same time, select Core Academic Skills for Educators Combined Test (5752) when registering. Scores will be reported by individual tests (5713, 5723, 5733).
- Core Battery information can be found at: https://www.ets.org/praxis

Degree Plan

- General Education Requirements – as per University Requirements

- Major Requirements – as per requirements for specific major
- QUEST (EDUC) Requirements – common/foundation courses are listed below. Specific track requirements listed on program page.

Year 1

- [EDUC1108](#)   Seminar in Professional Practice I
- [EDUC2401](#)   Field Experience I

Year 2

- [EDUC2209](#)   Seminar in Professional Practice II
- [EDUC2402](#)   Field Experience II
- [EDUC3309](#)   Seminar in Professional Practice III

Tracks

- Early Childhood (P-3) Education
- Elementary (K-6) Education
- Secondary (subject specific) Education
- English as a Second Language (ESL)
- Dual Certification (P-3, Elementary, Secondary with Special Education)

NOTE: Both campuses currently offer the Dual Certification (Elementary and Special Education) program for all Elementary majors. The Dual Certification program requires 6 more total credits than the Elementary Certification program. For details on this program, the students should meet with the Director of the QUEST Program.

Career Outcomes

National projections show a need for more than 2 million teachers in the next decade in all grades and subject areas — particularly in the northern and mid-Atlantic regions. The greatest need will be for those teachers with certification in high-demand areas (i.e. special education, world languages, science and mathematics) and those with dual certification (elementary or secondary education certification with a second certificate in areas such as special education, world languages, early childhood, English as a Second Language and bilingual education.

Candidates in the QUEST Program will prepare for careers as classroom teachers with the potential to specialize further as guidance counselors, subject area supervisors, school or district administrators, subject area specialists, or child study team members

Recognition and Honors

- The QUEST Program is accredited by CAEP, the national accrediting body for education provider programs that meet high standards of quality and rigor.
- Our students have won the New Jersey Distinguished Student Teacher Award.
- Our graduates are teaching in public, private, charter, and parochial schools in more than 22 states. Our graduates also teach in military schools overseas.
- Each year we send a cohort of students to FDU's Wroxton, England campus to complete an international field experience in local English partner schools.
- Many of our QUEST students are outstanding student-athletes participating in bowling, basketball, soccer, and baseball who maintain a 3.0 GPA and higher.
- Our QUEST students have an active student chapter of the NJEA and hold NJ State officer positions. They are actively involved in community service and tutoring.

Accreditation

[Back to Top](#)

QUEST BA/BS, Early Childhood Education P-3 MAT: combined degree

Teachers of young children must be trained in research-based best practices that support quality teaching and learning. Fairleigh Dickinson University's School of Education (SOE) offers a QUEST track leading to New Jersey certification in Preschool-Grade 3 (P-3).

Candidates earn a BA or BS degree in a liberal arts/science major. They begin their graduate studies towards their P-3 certification in their third year and continue with graduate-level advanced coursework to complete both their BA/BS in the chosen major (content area) and a Master of Arts in Teaching (MAT) degree.

Candidates may also earn a second certification in special education through the QUEST dual certification program. The Dual Certification Program must be started no later than the sophomore (2nd) year of the QUEST Program.

Admission Requirements

For up-to-date information about admission requirements for teacher education programs, please contact **Dr. Melissa Smith at m.smith1@fdu.edu**

Freshmen entering the QUEST Program are required to have a high school GPA of 3.0 or greater and a minimum of 1080 on the SAT (combined verbal and math). Sophomores and juniors requesting admission to the QUEST Program must have a college/university CGPA of 3.0 or greater.

Students entering the QUEST program are not formally matriculated into QUEST until they have 60 credits and met the following requirements:

- 60 earned credits
- CGPA 3.0 or greater

Praxis II Requirement (for licensure)

The correct Praxis II exam for Early Childhood in New Jersey is **#5025**. This is the licensure exam and **must be passed before the candidate does his/her student teaching**. We require candidates to take this exam at the beginning of their fourth year, prior to Field Experience IV.

QUEST Preschool-Grade 3 (P – 3) New Jersey Initial Certification

Program Outline, effective through the academic year.

QUEST Preschool-Grade 3 (P – 3) New Jersey Initial Certification

Program Outline

- Candidates in the QUEST program must major in a liberal arts/science discipline. Candidates in the QUEST program must satisfy all general education requirements, and specific departmental requirements for their liberal arts/science major in order to be eligible for a BA or BS degree in their area of specialization. They must also complete the requirements for the School of Education. No more than 15 credits in education courses, taken at the graduate level in the junior and senior years, may be applied as dual undergraduate and graduate credit.

- At the end of four years, students who have met all requirements will be eligible for a BA or BS degree and will have up to 15 credits toward their Master of Arts in Teaching degree (which requires a total of 36 graduate credits). Student Teaching occurs in the fifth year.

- The State of NJ requires two (2) semesters of student teaching: the first semester is part-time and is called Advanced Clinical Practice; the second semester is full-time and is called Apprenticeship Teaching. Upon completion of the Apprenticeship Teaching, students will have met the eligibility requirements for teacher certification. Completion of the master's degree is not required for certification in New Jersey.

- New Jersey teacher certification requires that 6 credits be taken in behavioral sciences (sociology, anthropology, or psychology); and 3 credits be taken in biology, physiology, or health. The courses also may be taken to satisfy college core (general education) requirements, the liberal arts /science required courses or electives.

- Eligibility for entrance to the QUEST program requires a 3.00 cumulative grade point ratio (CGPR). The 3.0 GPA must be maintained throughout the program. Additionally, all candidates must pass the Core Academic Skills for Educators exams by the time they complete 60 credits in their program.

- In order to complete the Master of Arts in Teaching program in five years, students may need to take courses in summer and winter sessions in years three through five, depending upon their particular liberal arts/science program requirements.

- Dual Certification requires an additional 6 graduate level credits as noted below.

- For those interested in our Dual Certification Program, Special Education is a "second certificate" in the State of NJ. Teachers must first (or concurrently) earn their elementary certificate.

Degree Plan

General Education Requirements – as per University Requirements

Major Requirements – as per requirements for specific major

QUEST (EDUC) Requirements

Year 1

- EDUC1108 Seminar in Professional Practice I
- EDUC2401 Field Experience I
- EDUC2202 Child & Adolescent Development (Dual Certification ONLY)

Year 2

- EDUC2209 Seminar in Professional Practice II
- EDUC2402 Field Experience II
- EDUC3309 Seminar in Professional Practice III
- EDUC2207 Intro to Special Education Including Autism (Dual Certification ONLY)
- EDUC2208 Classroom Management / Positive Behavior (Dual Certification ONLY)

Year 3

- EDUC3403 Field Experience III
- EDUC6818 Language Dev & Literacy I (course given credit for both undergraduate and graduate degrees)
- EDUC6821 Early Elementary Math Content and Pedagogy (course given credit for both undergraduate and graduate degrees)
- EDUC6931 Diversity, Equity, and Justice in Schools and Society I (course given credit for both undergraduate and graduate degrees)

Year 4

- [EDUC3404](#) Field Experience IV
- [EDUC6852](#) P-3 Curriculum and Assessment (course given credit for both undergraduate and graduate degrees)
- [EDUC6853](#) Family and Community in Education (course given credit for both undergraduate and graduate degrees)
- [EDUC6792](#) Assistive Technology in the Inclusive Classroom (Dual Certification ONLY)(course only used toward the MAT degree)
- [EDUC6797](#) Multisensory Math Instruction for Students with Disabilities (Dual Certification ONLY)(course only used toward the MAT degree)

Year 5

- [EDUC6583](#) Advanced Clinical Practice
- [EDUC6575](#) Apprenticeship Teaching
- [EDUC6825](#) Apprenticeship Teaching Seminar
- [EDUC7812](#) Final Project
- [EDUC5501](#) Educational Technologies (course for candidates NOT in Dual Certification)(P-3 only certification)
- [EDUC5502](#) or [EDUC5503](#) Digital Literacies or Special Topics in Technology (course for candidates NOT in Dual Certification)(P-3 only certification)
- [EDUC5510](#)/[EDUC5511](#)/[EDUC5512](#)/[EDUC5513](#) Special Topics Course – (course for candidates NOT in Dual Certification)(P-3 only certification)
- [EDUC6740](#) Intro to Students with Disabilities including Autism (course for candidates NOT in Dual Certification)(P-3 only certification)
- EDUC XXXX Approved Graduate Elective (course for candidates NOT in Dual Certification)(P-3 only certification)
- [EDUC6747](#)   Multisensory Reading (Dual Certification ONLY
- [EDUC6750](#) Teaching in the Inclusive Classroom (Dual Certification ONLY
- [EDUC6793](#) Education of Students with Moderate to Severe Disabilities (Dual Certification ONLY)

Contact Information

For more information about this program, contact QUEST/Post-Bac Director, Dr. Melissa Smith m.smith1@fdu.edu

QUEST BA/BS, Elementary Education K-6 MAT: combined degree

In the State of NJ, all teachers are required to complete a BA or BS in a content area. Education is not considered to be a major. At Fairleigh Dickinson, it is considered to be a "concentration".

Candidates in the QUEST program may major in a variety of different areas including:

Art	History	Psychology
Biology	Humanities	Science (BS – Metro only)
Chemistry	International Studies	Theatre (Florham only)
Creative Writing	Mathematics (BA or BS)	
English Language and Literature	Government and Politics	

For those interested in our Dual Certification Program, Special Education is a "second certificate" in the State of NJ. Teachers must first (or concurrently) earn their elementary certificate.

Admission Requirements

For up-to-date information about admission requirements for teacher education programs, please contact **Dr. Melissa Smith at m.smith1@fdu.edu**

Freshmen entering the QUEST Program are required to have a high school GPA of 3.0 or greater. Sophomores and juniors requesting admission to the QUEST Program must have a college/university CGPA of 3.0 or greater.

Students entering the QUEST program are not formally matriculated into QUEST until they have 60 credits and met the following requirements:

- 60 earned credits
- CGPA 3.0 or greater

Praxis II Requirement (for licensure)

The correct Praxis II exams for Elementary Education are shown below. There are 4 subtests (content area exams) These licensure exams **must all be passed before the candidate does his/her student teaching**. We require candidates to take this exam at the beginning of their fourth year, prior to Field Experience IV.

For further information on the exam, please go to ets.org

Reading/Language Arts Subtest #5002

Mathematics Subtest #5003

Social Studies Subtest #5004

Science Subtest #5005

[To pass the Elementary Education: Multiple Subjects test you must receive a passing score on each subtest. If you wish to take all four subtests (5002, 5003, 5004, 5005) at the same time, select Elementary Education: Multiple Subjects (5001) when registering. If you wish to take or retake an individual subtest, you may register to take just that subtest.]

At this time, there is no required Praxis II for Special Education.

QUEST Program Elementary (K-6) Education

Students must complete 120 credits (FOR STUDENTS ENTERING FALL 2015) for a BA or BS in a liberal arts or science major appropriate for the area of teacher certification. This includes at least 30 credits in education courses required for elementary or secondary certification — of which a maximum of 15 credits may be

applied as dual undergraduate and graduate credit to both the BA/BS and MAT degrees — plus 15 credits in graduate-level educational methodology courses.

Candidates who complete the required 120 credits for the BA/BS and the required education courses and pass the PRAXIS in their area of certification become eligible to take their 2-semester student teaching (Advanced Clinical Practice and Apprenticeship Teaching). After completing their apprenticeships, candidates become eligible for their NJ State Teaching Certificate. The candidate becomes eligible for the MAT degree upon completion of the required 36 graduate credits.

NOTE: Both campuses currently offer the Dual Certification (Elementary and Special Education) program for all Elementary majors. The Dual Certification program requires 6 more total credits than the Elementary Certification program. For details on this program, the students should meet with the Director of the QUEST Program.

Candidates can simultaneously earn an elementary teaching certificate and a second certification in special education through the QUEST dual certification program. The Dual Certification Program must be started no later than the Sophomore (2nd) year of the QUEST Program.

Program Outline, effective through the academic year.

Program Outline

1. Candidates in the QUEST program must major in a liberal arts/science discipline. Candidates in the QUEST program must satisfy all general education requirements and specific departmental requirements for their liberal arts/science major in order to be eligible for a BA or BS degree in their area of specialization. They must also complete the requirements for the School of Education. No more than 15 credits in education courses, taken at the graduate level in the junior and senior years, may be applied as dual undergraduate and graduate credit.

2. At the end of four years, students who have met all requirements will be eligible for a BA or BS degree and will have up to 15 credits toward their Master of Arts in Teaching degree (which requires a total of 36 graduate credits). Student Teaching occurs in the fifth year.

3. The State of NJ requires two (2) semesters of student teaching: the first semester is part-time and is called Advanced Clinical Practice; the second semester is full-time and is called Apprenticeship Teaching. Upon completion of the Apprenticeship Teaching, students will have met the eligibility

requirements for teacher certification. Completion of the master's degree is not required for certification in New Jersey.

4. New Jersey teacher certification requires that 6 credits be taken in behavioral sciences (sociology, anthropology, or psychology); and 3 credits be taken in biology, physiology, or health. The courses also may be taken to satisfy college core requirements (foundations and disciplinary perspectives) or the liberal arts /science required courses or electives.

5. Eligibility for entrance to the QUEST program requires a 3.00 cumulative grade point ratio (CGPR). The 3.0 GPA must be maintained throughout the program. Additionally, all candidates must pass the Core Academic Skills for Educators exams by the time they complete 60 credits in their program.

6. In order to complete the Master of Arts in Teaching program in five years, students may need to take courses in summer and winter sessions in years three through five, depending upon their particular liberal arts/science program requirements.

Degree Plan

General Education Requirements – as per University Requirements

Major Requirements – as per requirements for specific major

QUEST (EDUC) Requirements

Year 1

- EDUC1108 Seminar in Professional Practice I
- EDUC2401 Field Experience I
- EDUC2202 Child & Adolescent Development (Dual Certification ONLY)

Year 2

- EDUC2209 Seminar in Professional Practice II
- EDUC2402 Field Experience II
- EDUC3309 Seminar in Professional Practice III
- EDUC2207 Intro to Special Education Including Autism (Dual Certification ONLY)
- EDUC2208 Classroom Management / Positive Behavior (Dual Certification ONLY)

Year 3

- EDUC3403 Field Experience III
- EDUC6818 Language Dev & Literacy I (course given credit for both undergraduate and graduate degrees)
- EDUC6819 Language Dev & Literacy II (course given credit for both undergraduate and graduate degrees)
- EDUC6931 Diversity, Equity, and Justice in Schools and Society I (course given credit for both undergraduate and graduate degrees)

Year 4

- EDUC3404 Field Experience IV
- EDUC6821 Early Elementary Math Content and Pedagogy (course given credit for both undergraduate and graduate degrees)
- EDUC6822 Upper Elementary Math Content and Pedagogy (course given credit for both undergraduate and graduate degrees
- EDUC6792 Assistive Technology in the Inclusive Classroom (course for Dual Certification ONLY)(course only used toward the MAT degree)
- EDUC6797 Multisensory Math Instruction for Students with Disabilities (course for Dual Certification ONLY)(course only used toward the MAT degree)

Year 5

- EDUC6583 Advanced Clinical Practice
- EDUC6575 Apprenticeship Teaching
- EDUC6825 Apprenticeship Teaching Seminar
- EDUC7812 Final Project
- EDUC5501 Educational Technologies (course for candidates NOT in Dual Certification)(K-6 only certification)
- EDUC5502 or EDUC5503 Digital Literacies or Special Topics in Technology (course for candidates NOT in Dual Certification)(K-6 only certification)
- EDUC5510/EDUC5511/EDUC5512/EDUC5513 Special Topics Course – (course for candidates NOT in Dual Certification)(K-6 only certification)
- EDUC6740 Intro to Students with Disabilities including Autism (course for candidates NOT in Dual Certification)(K-6 only certification)

- EDUC XXXX Approved Graduate Elective (course for candidates NOT in Dual Certification)(K-6 only certification)
- [EDUC6747](#) Multisensory Reading (Dual Certification ONLY)
- [EDUC6750](#) Teaching in the Inclusive Classroom (Dual Certification ONLY
- [EDUC6793](#) Education of Students with Moderate to Severe Disabilities (Dual Certification ONLY)

Contact Information

For more information about this program, contact QUEST/Post-Bac Director, Dr. Melissa Smith m.smith1@fdu.edu

QUEST BA/BS, English as a Second Language (ESL) MAT: combined degree

In the State of NJ, all teachers are required to complete a BA or BS in a content area.

Education is not considered to be a major. At Fairleigh Dickinson, it is considered to be a "concentration".

Candidates in the QUEST program may major in a variety of different areas including:

- Art
- Biology
- Chemistry
- Creative Writing
- English Language and Literature

- History
- Humanities
- International Studies
- Mathematics (BA or BS)
- Political Science
- Psychology
- Science (BS – Metro only)
- Theater (Florham only)

For those interested in our Dual Certification Program, Special Education is a "second certificate" in the State of NJ. Teachers must first (or concurrently) earn their elementary certificate.

Program Outline

Students must complete 120 credits (FOR STUDENTS ENTERING FALL 2015) for a BA or BS in a liberal arts or science major appropriate for the area of teacher certification. This includes at least 30 credits in education courses required for elementary or secondary certification — of which a maximum of 15 credits may be applied as dual undergraduate and graduate credit to both the BA/BS and MAT. degrees — plus 15 credits in graduate-level educational methodology courses.

Candidates who complete the required 120 credits for the BA/BS and the required education courses and pass the PRAXIS in their area of certification become eligible to take their 2-semester student teaching (Advanced Clinical Practice and Apprenticeship Teaching). After completing their apprenticeships, candidates become eligible for their NJ State Teaching Certificate. The candidate becomes eligible for the MAT degree upon completion of the required 36 graduate credits.

- Candidates in the QUEST program must major in a liberal arts/science discipline. Candidates in the QUEST program must satisfy all general education requirements, and specific departmental requirements for their liberal arts/science major in order to be eligible for a BA or BS degree in their area of specialization. They must also complete the requirements for the School of Education. No more than 15 credits in education courses, taken at the graduate level in the junior and senior years, may be applied as dual undergraduate and graduate credit.
- At the end of four years, students who have met all requirements will be eligible for a BA or BS degree and will have up to 15 credits toward their

Master of Arts in Teaching degree (which requires a total of 36 graduate credits). Student Teaching occurs in the fifth year.

- The State of NJ requires two (2) semesters of student teaching: The first semester is part-time and is called Advanced Clinical Practice; the second semester is full time and is called Apprenticeship Teaching. Upon completion of the Apprenticeship Teaching, students will have met eligibility requirements for teacher certification. Completion of the master's degree is not required for certification in New Jersey.

- New Jersey teacher certification requires that 6 credits be taken in behavioral sciences (sociology, anthropology or psychology); and 3 credits be taken in biology, physiology or health. The courses also may be taken to satisfy college core requirements (foundations and disciplinary perspectives) or the liberal arts /science required courses or electives.

- Eligibility for entrance to the QUEST program requires a 3.00 cumulative grade point ratio (CGPR). The 3.0 GPA must be maintained throughout the program. Additionally, all candidates must pass the Core Academic Skills for Educators exams by the time they complete 60 credits in their program.

- In order to complete the Master of Arts in Teaching program in five years, students may need to take courses in summer and winter sessions in years three through five, depending upon their particular liberal arts/science program requirements.

Admission Requirements

For up-to-date information about admission requirements for teacher education programs, please contact **Dr. Melissa Smith at m.smith1@fdu.edu**

Freshmen entering the QUEST Program are required to have a high school GPA of 3.0 or greater and a minimum of 1080 on the SAT (combined verbal and math). Sophomores and juniors requesting admission to the QUEST Program must have a college/university CGPA of 3.0 or greater.

Students entering the QUEST program are not formally matriculated into QUEST until they have 60 credits and met the following requirements:

- 60 earned credits
- CGPA 3.0 or greater

Praxis II Requirement (for licensure) – OPI/WPT

At this time, there is no Praxis II required for ESL certification. However, ESL teachers must take and pass the Oral Proficiency Inventory (OPI) and the Written Proficiency Test (WPT) in English. Your QUEST/ELS advisor will give you further information on these exams.

Degree Plan

General Education Requirements – as per University Requirements

Major Requirements – as per requirements for specific major

QUEST (EDUC) Requirements

Year 1

- [EDUC1108](#) Seminar in Professional Practice I
- [EDUC2401](#) Field Experience I

Year 2

- [EDUC2209](#) Seminar in Professional Practice II
- [EDUC2402](#) Field Experience II
- [EDUC3309](#) Seminar in Professional Practice III

Year 3

- [EDUC3403](#)   Field Experience III
- [EDUC6654](#) Literacy Development for Second-Language Learners
- [EDUC6599](#) Methodology and Curriculum of Second Language Acquisition (course given credit for both undergraduate and graduate degrees)

Year 4

- [EDUC3404](#)   Field Experience IV
- [EDUC6931](#)   Diversity, Equity, and Justice in Schools and Society (course given credit for both undergraduate and graduate degrees)
- [EDUC6574](#)   Applied Linguistics for Language Teachers
- [EDUC6631](#)   Assessment in the Second Language Classroom

Year 5

- [EDUC6583](#)   Advanced Clinical Practice
- [EDUC6575](#)   Apprenticeship Teaching
- [EDUC6825](#) Apprenticeship Teaching Seminar
- [EDUC7812](#)   Final Project
- [EDUC5501](#) Educational Technologies
- [EDUC5502](#) or [EDUC5503](#) Digital Literacies or Special Topics in Technology
- [EDUC5510](#)/[EDUC5511](#)/[EDUC5512](#)/[EDUC5513](#)   Special Topics — NJ Curriculum Mandates Course
- [EDUC6740](#) Intro to Students with Disabilities including Autism
- EDUCXXXX Approved Graduate Elective (3 cr optional)

Contact Information

For more information about this program, contact QUEST/Post-Bac Director, Dr. Melissa Smith m.smith1@fdu.edu

[Back to Top](#)

QUEST BA/BS, Secondary Education K-12 MAT: combined degree

The Secondary Education QUEST Program requires teaching candidates to complete a major in the content area where they plan to teach. Acceptable majors include:

- Art
- Biology
- Chemistry

- Creative Writing (Florham only)
- English Language and Literature
- History
- Mathematics (either BA or BS program)
- Physics
- Science (BS – Metro only)

Licensure in Secondary Education allows the program completer to teach in the content area from K-12. More importantly, the candidate will be able to teach at the middle school or high school level using the same certification.

Special Education is a "second certificate" in the State of NJ and at the secondary level, it follows the content of the first certification. Dual certification requires an additional 6 graduate credits as noted below.

Admission Requirements

For up-to-date information about admission requirements for teacher education programs, please contact **Dr. Melissa Smith at m.smith1@fdu.edu**

Freshmen entering the QUEST Program are required to have a high school GPA of 3.0. Sophomores and juniors requesting admission to the QUEST Program must have a college/university CGPA of 3.0 or greater.

Students entering the QUEST program are not formally matriculated into QUEST until they have 60 credits and met the following requirements:

- 60 earned credits
- CGPA 3.0 or greater
-

Praxis II Requirement (for licensure)

The correct Praxis II exams for Secondary Education are **subject-specific**. For information about the correct exam(s), candidates should check with their School of Education advisor and for further information on the exam, go to ets.org. We require

candidates to take their Praxis II exam at the beginning of their fourth year, prior to Field Experience IV.

At this time, there is no required Praxis II for Special Education.

QUEST Program – Secondary

Candidates must complete 120 credits for a BA or BS in a liberal arts or science major appropriate for the area of teacher certification. This includes at least 30 credits in education courses required for elementary or secondary certification — of which a maximum of 15 credits may be applied as dual undergraduate and graduate credit to both the BA/BS and MAT degrees — plus 15 credits in graduate-level educational methodology courses.

Candidates who complete the required 120 credits for the BA/BS and the required education courses and pass the PRAXIS in their area of certification become eligible to take their 2-semester student teaching (Advanced Clinical Practice and Apprenticeship Teaching). After completing their apprenticeships, candidates become eligible for their NJ State Teaching Certificate. The candidate becomes eligible for the MAT degree upon completion of the required 36 graduate credits.

NOTE: Both campuses currently offer the Dual Certification (Secondary and Special Education) program for all Secondary majors. The Dual Certification program requires 6 more total credits than the Secondary Certification program. For details on this program, the students should meet with the Director of the QUEST Program.

Candidates may also earn a second certification in special education through the QUEST dual certification program. The Dual Certification Program must be started no later than the sophomore (2nd) year of the QUEST Program.

Program Outline

- Candidates in the QUEST program must major in a liberal arts/science discipline. Candidates in the QUEST program must satisfy all general education requirements, and specific departmental requirements for their liberal arts/science major in order to be eligible for a BA or BS degree in their area of specialization. They must also complete the requirements for the School of Education. No more than 15 credits in education courses, taken at the graduate level in the junior and senior years, may be applied as dual undergraduate and graduate credit.

- At the end of four years, students who have met all requirements will be eligible for a BA or BS degree and will have up to 15 credits toward their Master of Arts in Teaching degree (which requires a total of 36 graduate credits). Student Teaching occurs in the fifth year.
- The State of NJ requires two (2) semesters of student teaching: the first semester is part-time and is called Advanced Clinical Practice; the second semester is full-time and is called Apprenticeship Teaching. Upon completion of the Apprenticeship Teaching, students will have met the eligibility requirements for teacher certification. Completion of the master's degree is not required for certification in New Jersey.
- New Jersey teacher certification requires that 6 credits be taken in behavioral sciences (sociology, anthropology, or psychology); and 3 credits be taken in biology, physiology, or health. The courses also may be taken to satisfy college core requirements (foundations and disciplinary perspectives) or the liberal arts /science required courses or electives.
- Eligibility for entrance to the QUEST program requires a 3.00 cumulative grade point ratio (CGPR). The 3.0 GPA must be maintained throughout the program. Additionally, all candidates must pass the Core Academic Skills for Educators exams by the time they complete 60 credits in their program.
- In order to complete the Master of Arts in Teaching program in five years, students may need to take courses in summer and winter sessions in years three through five, depending upon their particular liberal arts/science program requirements.

Degree Plan

General Education Requirements – as per University Requirements

Major Requirements – as per requirements for specific major

QUEST (EDUC) Requirements

Year 1

- EDUC1108 Seminar in Professional Practice I
- EDUC2401 Field Experience I
- EDUC2202 Child & Adolescent Development (Dual Certification ONLY)

Year 2

- EDUC2209 Seminar in Professional Practice II
- EDUC2402 Field Experience II
- EDUC3309 Seminar in Professional Practice III
- EDUC2207 Intro to Special Education Including Autism (Dual Certification ONLY)
- EDUC2208 Classroom Management / Positive Behavior (Dual Certification ONLY)

Year 3

- EDUC3403 Field Experience III
- EDUC6651 Effective Reading (Course given credit for both undergraduate and graduate degrees)
- EDUC 65XX Appropriate Secondary Methodology (see below) (Course given credit for both undergraduate and graduate degrees)
  - EDUC6562 English
  - EDUC6566 All Sciences
  - EDUC6565 All Foreign Languages (Spanish)
  - EDUC6568 Social Studies (History)
  - EDUC6569 Art
  - EDUC6570 Mathematics
- EDUC6931 Diversity, Equity, and Justice in Schools and Society (Course given credit for both undergraduate and graduate degrees)

Year 4

- EDUC3404 Field Experience IV
- EDUC5501 Educational Technologies (course for candidates NOT in Dual Certification)(Secondary only certification)
- EDUC5502 or EDUC5503 Digital Literacies or Special Topics in Technology (course for candidates NOT in Dual Certification)(Secondary only certification)
- EDUC5510/EDUC5511/EDUC5512/EDUC5513 Special Topics Course – (course for candidates NOT in Dual Certification)(Secondary only certification)
- EDUC6893 Evaluation and Measurement (Course given credit for both undergraduate and graduate degrees)

- [EDUC6792](#) Assistive Technology in the Inclusive Classroom (Dual Certification ONLY) (course only used toward the MAT degree)
- [EDUC6790](#) Methods for Secondary Students with Disabilities (Dual Certification ONLY)(course only used toward the MAT degree)

Year 5

- [EDUC6583](#) Advanced Clinical Practice
- [EDUC6575](#) Apprenticeship Teaching
- [EDUC6825](#) Apprenticeship Teaching Seminar
- [EDUC7812](#) Final Project
- [EDUC6740](#) Intro to Students with Disabilities including Autism (course for candidates NOT in Dual Certification)(Secondary only certification)
- EDUC XXXX Approved Graduate Elective (course for candidates NOT in Dual Certification)(Secondary only certification)
- EDUC XXXX Second Approved Graduate Elective (course for candidates NOT in Dual Certification)(Secondary only certification)
- [EDUC6747](#) Multisensory Reading (Dual Certification ONLY)
- [EDUC6750](#) Teaching in the Inclusive Classroom (Dual Certification ONLY
- [EDUC6793](#) Education of Students with Moderate to Severe Disabilities (Dual Certification ONLY)

Contact Information

For more information about this program, contact QUEST/Post-Bac Director, Dr. Melissa Smith m.smith1@fdu.edu

[Back to Top](#)

Radiography AS

Radiologic ("X-ray") Technologists are the medical personnel who perform diagnostic imaging examinations. Radiologic Technologists provide services in hospitals, clinics, and imaging centers. At the completion of the Radiologic Technologies Associate in Science Program, students will be prepared for a career as a Radiologic Technologist. Graduates enjoy:

- Employment rate in various healthcare agencies in the tri-state area: 100%.
- Salary and benefits after licensure: >$75,000/year plus benefits package including health and dental care.

Many graduates of the AS in Radiography program continue on to complete 30 more credits and earn a bachelor's degree at FDU in the Radiologic Technology BS: Degree Completion Program. Graduates can also pursue additional post-graduate training to obtain a specialization certificate, such as for computed tomography (CT), mammography, magnetic resonance imaging (MRI), medical dosimetry, nuclear medicine, or diagnostic radiography.

The **Associate in Science (AS) in Radiography** is a 3-year Associate of Science degree program with significant flexibility to accommodate students who have a range of prior learning/transfer credits. Students report that the "1 + 2" format provides an appropriate pace to succeed academically and develop strong clinical skills so that they are confident embarking on their careers. This program requires that students complete 39 credits at FDU (usually 3 semesters, unless applying transfer credits) AND successfully complete an accredited *Joint Review Committee in Education in Radiologic Technology* (JRCERT) hospital certificate program. The JRCERT hospital certificate program, which includes a large proportion of hands-on experience, is approximately 2 years (18-24 months) in length.

It is highly suggested that prospective students join an Allied Health & Health Studies monthly *Info-session* (SNAH Info-Sessions) and set up a meeting (snah-hs@fdu.edu) to discuss an individualized program pathway.

Several JRCERT hospital certificate program options are available to FDU students through our numerous articulation agreements. JRCERT programs are independent of FDU (i.e., requires separate application and acceptance is not guaranteed by FDU). Financial aid is also not available through FDU when attending the JRCERT program, however many JRCERT programs offer their own financial aid. Tuition is paid directly to the JRCERT program during this phase of study. Students will consult with their advisor

during their first year to identify an appropriate JRCERT program for completing the hospital-based component of this degree program.

Many students are able to transfer credits from prior learning, which have not yet been applied to another degree, to reduce the number of FDU credits needed for degree completion. In addition, FDU can also adjust the pace and sequencing of FDU courses to meet individual student and/or JRCERT program needs.

Admission Requirements for FDU

- Graduates from an accredited secondary school with a record indicating the potential to succeed in college will be considered for admission to the FDU AS in Radiography Program.
- Completion of the following high school studies:
  - 4 units of English
  - 1 unit of Chemistry + Lab
  - 2 units of History
  - 1 unit of Biology + Lab
  - 2 units of college preparatory Mathematics

- At least 16 high school academic units
- Secondary school GPA of 2.7 or higher

Admission to JRCERT Hospital Certificate Program

- Students will submit a separate application in the second or third semester of year 1 at FDU.
- Admission decisions to JRCERT programs are made in accordance with criteria, policies and procedures established by the hospital program and cannot be guaranteed by FDU.
- Students generally **need to maintain at least a 2.5 GPA** in major and prerequisite courses at FDU to be considered for admission to a JRCERT program.

JRCERT Options for FDU Students

Admissions requirements and application instructions are available on the websites of these respective JRCERT partners:

Hackensack Meridian Health JFK Muhlenberg Snyder Schools of Nursing and Medical Imaging

- Location: 1200 Randolph Road, Plainfield NJ 07060.
- Contact: Theodora Muso, Admissions Recruiter (theodora.muso@hmhn.org, 908-668-2471).
- Zoom information sessions every 2nd and 4th Wednesday of month, at 2 pm ET.
- Clinical rotation changes every semester affiliated clinical sites: JFK Medical Center, Hackensack University Medical Center, Bayshore Medical Center, Barnabas Health, Summit Medical Group, Trinitas Regional Medical Center, NJ Imaging Network, and others.
- Dedicated clinical preceptors across all clinical sites, for entirety of shift.
- Full semester of Computed Tomography (CT) skills and training.
- Dormitory facilities and financial aid available.

VALLEY HEALTH SYSTEM School of Radiography

- Ridgewood and Paramus, New Jersey
- Contact: Robin Schild, Program Director – rschild@valleyhealth.com or (201) 447-8221.
- Financial aid available, per website.

CENTER FOR ALLIED HEALTH EDUCATION (CAHE) Radiography Program

- Brooklyn, NY
- Phone inquiries: (855) 645-3500 or (718) 645-3500.
- Financial aid available, per website.
- CAHE also offers a Radiation Therapy program (inquire for details).

ENGLEWOOD MEDICAL CENTER School of Radiography

- Englewood, New Jersey.
- Phone inquiries: (201) 894-3481.

Sites Associated with HUDSON COMMUNITY COLLEGE Radiography Program

- Jersey City, New Jersey.
- Phone inquiries: (201) 360-4782.

- Financial aid available, per website.

Academic Program Plan

The curriculum consists of 69 credits, consisting of 28 credits of "GenEd" liberal arts and sciences courses, 11 credits in the radiology major, and 30 credit equivalents from the JRCERT Hospital Certificate Program.

Accuplacer reading/writing scores and math assessment scores will determine which reading/writing and math courses first time, first year students will take. Those with reading/writing placement scores below the standards must complete courses in prerequisite skills (e.g., WRIT1000, WRIT1001, READ1000). Those with math placement scores below the standards must complete courses in prerequisite skills (e.g., MATH0298, MATH1100). These credits are applied toward free electives or are non-credit-bearing. **This requirement applies to all first time, first year students, even if they have been accepted into this program track.

General Education Requirements (28 credits)

- **Written & Oral Communication (6 credits)**
  - WRIT1002 Composition I: Rhetoric and Inquiry
  - WRIT1003 Composition II: Research and Argument

- **Information and Technological Literacy (3 credits)**
  - MEDT2217 Info Systems and Applications in Health Care

- **Global and Cultural Understanding (3 credits)**
  - UNIV2001 Cross-cultural Perspectives

- **Scientific and Quantitative Analysis (8 credits)**
  - BIOL2203/BIOL2223 Anatomy and Physiology I + Lab
  - MATH1105 College Algebra or MATH1107 Precalculus

- **Social and Behavioral Analysis (6 credits)**
  - Social Science: PSYC1201 Introduction to Sociology
  - Behavioral Science: SOCI1201 General Psychology

- **University Core (2 credits)**
  - UNIV1001 Transitioning to University Life
  - UNIV1002 Preparing for Professional Life

Major Requirements (11 credits)

- [BIOL2204](#)/[BIOL2224](#) Anatomy and Physiology II + Lab
- [PHYS2101](#)/[PHYS2201](#) General Physics + Lab
- [MEDT2206](#) Medical Terminology

Hospital Internship (2nd-3rd Year) Requirements (30 credits)

- [MEDT4205](#) Clinical Laboratory Education I (0 credits)
- [MEDT4206](#) Clinical Laboratory Education II (0 credits)
- [MEDT4207](#) Clinical Laboratory Education III (0 credits)
- [MEDT4208](#) Clinical Laboratory Education IV (0 credits)

- Students will be awarded 30 credits for conferral of the hospital certificate. During the hospital internship, students will be enrolled at FDU in [MEDT4205](#)/[MEDT4206](#)/[MEDT4207](#)/[MEDT4208](#) (nominal fee) to assure matriculation maintenance and access to select FDU support services. Financial aid is not available through FDU when attending the JRCERT program, however many JRCERT programs offer their own financial aid. Tuition is paid directly to the JRCERT program during this phase of study.

- During the hospital internship, students may be asked to report to a laboratory site five days a week.

Special Information

Students who want to apply for the radiography certification exam sponsored by ARRT and are able to commit a longer period of time to obtain the requirements, should also consider Allied Health Technology BS (Radiologic Technology concentration) .

Contact Information

Drew Minardi or Jacqueline Bonaparte
201-692-2388
snah-hs@fdu.edu

[Back to Top](#)

Radiologic Technology BS: Degree Completion Program

The Bachelor of Science (BS) in Radiologic Technology COMPLETION PROGRAM is designed for the ARRT-certified Radiologic Technologist who has completed an Associate degree program. **Many students will be able to achieve the BS degree in as few as 30 credits.** The program can be taken on a full-time or part-time basis, with most courses available in online, asynchronous format. (Prospective students who have completed a hospital-based training program and/or are not AART-certified should contact us for individualized program planning.)

Individual program plans are based upon a student's prior learning:

- Completion of AA or AS degree program in NY or NJ, or
- Completion of AAS degree program, or other AA or AS degree program +/- additional credits

A minimum of 120 credits is required for graduation, of which 30 credits must be taken at FDU.

Students who are currently ARRT-certified, will receive 30 credits for prior learning toward the BS degree. Award of credit is contingent upon review of evidence of ARRT certification; or evidence of licensure (i.e., if practicing in New Jersey).

Students with an AA or AS degree in NY or NJ will ALSO: (1) receive 60 credits toward the BS degree; (2) have GenEd requirements waived; and (3) be able to substitute major electives for University Requirements (6 credits).

Students with AA or AS degree from another state, or students with an AAS degree will ALSO: (1) be able to transfer up to 60 credits toward the BS degree, including to complete GenEd requirements; and (2) be able to substitute major electives for University Requirements (6 credits).

Students who completed a hospital-based training program will ALSO (1) receive 30 credits toward the BS degree; and (2) be able to transfer up to 30 credits from an approved university toward the BS degree, including to complete GenEd requirements.

Admission Requirements

- ARRT-certification or NJ licensure as Radiology Technologist
- Evidence of potential to succeed in college

Curriculum

Modified BS General Education Requirements

GenEd requirements are waived for students who completed an AA or AS degree program in NY or NJ. Transfer credits (from recognized institutions) can be applied to fulfill GenEd requirements for other students.

- MEDT1130 Bioethics – 3 credits
- WRIT1002 Composition I: Rhetoric and Inquiry – 3 credits
- WRIT1003 Composition II: Research and Argument – 3 credits
- Inquiry in the Arts & Humanities – 3 credits
- Information & Technology Literacy – 3 credits

University Requirements (6 credits)

Students who completed an AA or AS degree program in NY or NJ may take a NURS or MEDT elective course in lieu of UNIV2001 and/or UNIV2002 (up to 6 credits). Transfer credits cannot be applied to fulfill these University Requirements.

- UNIV2001 Cross-cultural Perspectives
- UNIV2002 Global Issues

Major Elective Requirement (minimum 15 credits)

Transfer credits cannot be applied to fulfill these requirements. Students will choose among NURS or MEDT courses such as these and others:

- MEDT3204 Social Determinants of Health
- MEDT2217 Information Systems and Applications in Healthcare

- [MEDT4430](#) Utilization of Healthcare Research
- [MEDT4304](#) Population Health
- [MEDT3351](#) Epidemiology in Healthcare
- [MEDT3208](#) Introduction to Healthcare Economics
- [MEDT4301](#) American Health Care
- [MEDT3353](#) Introduction to Normal and Therapeutic Nutrition
- [MEDT4302](#) Health Care Law and Policy
- [MEDT4308](#) Management Principles for Healthcare
- [MEDT4303](#) Introduction to Global Health
- [MEDT2006](#) Medical Terminology

Free Elective Requirement (up to 9 credits)

Transfer credits cannot be applied to fulfill these requirements.

Cost of Attendance

Students can complete this degree program in as little as one year (i.e., 15 credits in Spring and 15 credits in Fall) as a full-time student. The tuition rate for full-time students is discounted from the individual credit rate and can be found on the FDU tuition webpage. All full-time applicants are automatically considered for merit awards. Merit awards are based on the student's cumulative college GPA and range up to $16,000/year. Many regional healthcare organizations also offer special pricing and/or tuition support for FDU programs – please inquire with your employer.

There is also a significant tuition discount for part-time students in this program track, such that degree completion can often be achieved for under $20,000 (and often can be covered in full by employee tuition assistance programs). Please see our allied health home page for the current tuition discount for students pursuing a completion degree.

Contact Information
Drew Minardi or Jacqueline Bonaparte
201-692-2388
snah-hs@fdu.edu

Science BS

Students seeking a baccalaureate degree, with a thorough grounding in the sciences, and desiring choice should consider the Bachelor of Science degree in science. The program is multidisciplinary, offering student maximum flexibility. The study of mathematics, for example, may be adjusted to meet students' academic objectives. The curriculum can meet the entrance requirements for medical or dental school. Each student must officially declare a major before entering the sixth semester. The courses in a major vary from a total of 30 credits above the introductory level to not more than 42. Dual majors are permitted providing requirements are met. Candidates for all baccalaureate degrees must complete at least 120 credits of course work. Certain programs require more than 128 credits for the degree. See each major for specific requirements

Admission requirements

For matriculation in the science curriculum, successful completion of secondary school courses in elementary algebra and plane geometry and a year of science and required. Candidates for the Bachelor of Science degree must complete the following courses.

Program Outcomes

Students majoring in Science develop the following skills and abilities:

- Ability to use the scientific method and understand its strengths and weaknesses.
- Ability to research a science topic using traditional and computer technology.
- Ability to read and evaluate professional scientific literature.
- Ability to write and communicate science.
- Ability to utilize mathematical reasoning and quantitative skills in science.
- Possess observational and technical skills.
- Possess major field knowledge.

- Ability to successfully compete in science related fields.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Science Core Requirements (24 credits)

- BIOL1221   Biological Diversity
- BIOL1222   Lab: Biological Diversity
- BIOL1233   Molecules, Cells, & Genes
- BIOL1234   Lab: Molecules, Cells, & Genes
- CHEM1201   General Chemistry I
- CHEM1203   General Chemistry Lab I
- CHEM1202   General Chemistry II
- CHEM1204   General Chemistry Lab II
- PHYS2201   Physics Laboratory I
- PHYS2202   Physics Laboratory II
- PHYS2203   University Physics I
- PHYS2204   University Physics II

Major requirements

Math/Computer Science Requirements (15 credits)

- MATH1107   Precalculus
- MATH1201   Calculus I
- MATH2202   Calculus II
- Math Elective

Science Concentration (16 credits)

- 16 credits of upper division courses in a single science. Sciences other than Physics, Chemistry or Biological Sciences require the Chairman's approval

Science Elective (12 credits)

- An additional 12 credits of upper division courses in any Science outside the concentration.

Free Electives(24 credits)

- A minimum of 24 credits of courses in any area

A minimum of 120 credits is required for graduation.

QUEST Options available

BS in Science/MAT, Secondary Ed and Special Ed Concentration
BS in Science/MAT, Elementary Ed Concentration
BS in Science/MAT, Secondary Ed Concentration
BS in Science/MAT, Elementary Ed and Special Ed Concentration
BS in Science/MAT, P-3 Certification
BS in Science/MAT, Secondary Ed and ESL

[Back to Top](#)

Selected Majors BA/BS, Business Administration MBA: 4 Plus 1

This 4 Plus 1 degree program allows students to complete both a bachelor's and a master's in 5 years by taking graduate business classes in their senior year, thereby saving time and money.

Admission and Degree Requirements for the Undergraduate (Non-business) degree

The student must satisfy the admission and degree requirements of the selected undergraduate degree. These requirements are set by the academic unit responsible for the undergraduate degree. See Program Finder or Undergraduate Programs to find the Program Page for the selected undergraduate degree. The Program Page will include contact information for the School, College, or Department responsible for the degree.

Admission Requirements for the Graduate Business degree

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Some other graduate business 4 Plus 1 options

- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Finance
- BA/BS-MBA in Leadership and Managing Innovation

- BA/BS-MBA in Marketing
- BA/BS-MBA in Supply Chain Management

For more information, please email SCBGradAdvising@fdu.edu.

Selected Majors BA/BS, Finance MBA: 4 Plus 1

The 4 Plus 1 program is offered by the department of finance, decision sciences, economics, and international business, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

This 4 Plus 1 program allows students to complete both a bachelor's and a master's in 5 years by taking graduate business classes in their senior year, thereby saving time and money.

Admission and Degree Requirements for the Undergraduate (Non-business) degree

The student must satisfy the admission and degree requirements of the selected undergraduate degree program. These requirements are set by the academic unit responsible for the undergraduate degree. See Program Finder or Undergraduate Programs to find the Program Page for the selected undergraduate degree. The Program Page will include contact information for the School, College, or Department responsible for the degree.

Admission Requirements for the Graduate Business degree

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. Completion of courses like those in the Environment of Business minor may be required to satisfy the graduate degree admission requirements.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MBA Core (34 credits)

Finance Specialization (9 credits)

- FIN6600 Financial Markets: Theory and Practice
- FIN6601 Strategic Global Corporate Finance
- FIN6605 Investment and Portfolio Management

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Leadership and Managing Innovation
- BA/BS-MBA in Marketing
- BA/BS-MBA in Supply Chain Management

For more information, please email SCBGradAdvising@fdu.edu.

[Back to Top](#)

Selected Majors BA/BS, Marketing MBA: 4 Plus 1

The 4 Plus 1 program is offered by the department of marketing, management, and entrepreneurship, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

This 4 Plus 1 program allows students to complete both a bachelor's and a master's in 5 years by taking graduate business classes in their senior year, thereby saving time and money.

Admission and Degree Requirements for the Undergraduate (Non-business) degree

The student must satisfy the admission and degree requirements of the selected undergraduate degree. These requirements are set by the academic unit responsible for the undergraduate degree. See Program Finder or Undergraduate Programs to find the

Program Page for the selected undergraduate degree. The Program Page will include contact information for the School, College, or Department responsible for the degree.

Admission Requirements for the Graduate Business degree

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MBA Core (34 credits)

Marketing Specialization (9 credits)

- [MKTG6620](#) Marketing Research
- [MKTG6630](#) Consumer Behavior
- [MKTG6640](#) Foundations of Digital Marketing

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Finance
- BA/BS-MBA in Leadership and Managing Innovation
- BA/BS-MBA in Supply Chain Management

For more information, please email SCBGradAdvising@fdu.edu.

[Back to Top](#)

Selected Majors BA/BS, Management MBA: 4 Plus 1

The 4 Plus 1 program is offered by the department of marketing, management, and entrepreneurship, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

This 4 Plus 1 program allows students to complete both a bachelor's and a master's in 5 years by taking graduate business classes in their senior year, thereby saving time and money.

Admission and Degree Requirements for the Undergraduate (Non-business) degree

The student must satisfy the admission and degree requirements of the selected undergraduate degree. These requirements are set by the academic unit responsible for the undergraduate degree. See Program Finder or Undergraduate Programs to find the Program Page for the selected undergraduate degree. The Program Page will include contact information for the School, College, or Department responsible for the degree.

Admission Requirements for the Graduate Business degree

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MBA Core (34 credits)

Leadership and Managing Innovation Specialization (9 credits)

- [MGMT6605](#) Leadership Development
- [ENTR6606](#) Creating and Managing Breakthrough Innovation
- [MGMT6607](#) Leading Strategic Change and Sustainability

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Finance
- BA/BS-MBA in Marketing
- BA/BS-MBA in Supply Chain Management

For more information, please email SCBGradAdvising@fdu.edu.

[Back to Top](#)

Selected Majors BA/BS, Supply Chain Management MBA: 4 Plus 1

The 4 Plus 1 program is offered by the department of finance, decision sciences, economics, and international business, Silberman College of Business, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. The college is accredited by AACSB.

This 4 Plus 1 program allows students to complete both a bachelor's and a master's in 5 years by taking graduate business classes in their senior year, thereby saving time and money.

Admission and Degree Requirements for the Undergraduate (Non-business) degree

The student must satisfy the admission and degree requirements of the selected undergraduate degree. These requirements are set by the academic unit responsible for the undergraduate degree. See Program Finder or Undergraduate Programs to find the Program Page for the selected undergraduate degree. The Program Page will include contact information for the School, College, or Department responsible for the degree.

Admission Requirements for the Graduate Business degree

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
2. The GMAT/GRE is not required for students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.
3. **MBA only:** Eligibility to waive at least 9 of the MBA Core credits. Students who are not currently in the Silberman College of Business may consider declaring and completing the Environment of Business minor.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.>

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MBA Core (34 credits)

Supply Chain Management (SCM) Specialization (12 credits)

- DSCI6820 Logistics Management
- DSCI6840 Global Sourcing, Procurement and Negotiations
- DSCI6780 Sustainable and Lean Six Sigma
- DSCI7004 SCM Capstone Experience

Other graduate business 4 Plus 1 options

- BS – MS in Accounting
- BA/BS – MS in Supply Chain Management
- BA/BS – MS in Digital Marketing
- BA/BS-MBA in Finance
- BA/BS-MBA in Leadership and Managing Innovation
- BA/BS-MBA in Marketing

For more information, please email SCBGradAdvising@fdu.edu.

Selected Majors BA/BS, Supply Chain Management MS: 4 Plus 1

The 4 Plus 1 program is offered by the department of finance, decision sciences, economics, and international business, Silberman College of Business, at the Metropolitan Campus, Teaneck, New Jersey. Students at the Florham Campus, Madison, New Jersey can complete their program requirements on the Florham Campus during their last two semesters of their undergraduate program. The college is accredited by AACSB.

Admission Requirements

In order to participate in the 4 Plus 1 program, all students must be current undergraduate students at Fairleigh Dickinson University or an undergraduate student at a partner institution with which Fairleigh Dickinson University has established an articulation agreement for a 4 Plus 1 program.

In order to advance into the graduate portion of the program, applicants must meet the following requirements:

1. Students should have completed at least one three-credit college-level statistics course and one three-credit college-level mathematics course.
2. Students must formally apply with the Graduate Advising Office and be accepted into the graduate portion of the program. For a link to the application, please email SCBGradAdvising@fdu.edu.
3. The GMAT/GRE is not required for Silberman College of Business students having a cumulative grade point average (CGPA) of 3.00 or higher upon completion of the first semester of their junior year. Applicants not satisfying this minimum CGPA requirement are required to submit a GMAT/GRE score taken within the last five years.

Acceptance into the program takes place during the sixth semester of the undergraduate program (or three semesters prior to the student's anticipated

undergraduate graduation date). Accepted students will take graduate-level coursework during their last two semesters as undergraduate students. Accepted students must complete their undergraduate degrees before undertaking full-time graduate study during their Plus 1 year.

Graduate Degree Plan

Students complete at least six (6) credits of graduate coursework while still considered an undergraduate student. All remaining graduate coursework is completed during the student's fifth year.

MS in Supply Chain Management Program Information

Sociology BA

When claims are made that the family is disintegrating, that America is a middle class society, that blacks are making economic progress, that women have come a long way, that the mass media provide audiences with what they want to see and hear, do you know how to evaluate these arguments? Sociology students learn how to assess such statements. They learn not only the facts of social life, but also the methods for analyzing various claims about society.

A sociology education develops the kind of social sophistication that goes beyond mere cynicism. Students are trained to ask: how do we know what is true? From what perspective does this claim or that policy recommendation make sense? Is this a valid study? What techniques or data would provide more reliable results? The sociological perspective enhances one's understanding of both interpersonal relations – group processes, family dynamics, gender roles, racial and ethnic differences – and larger social institutions – the corporation, the social class system, the criminal justice system, the mass media.

Sociology prepares students for a variety of careers. FDU graduates become social workers and lawyers, receive master's degrees in business administration, criminal justice, urban planning, gerontology, enter PhD programs in sociology and psychology, become administrators in industry, work in advertising, and occupy jobs in state, local, and federal government agencies. Those with advanced degrees in sociology may be employed as researchers by business, public agencies, or research institutes.

Program Learning Objectives

Graduates of the BA program in sociology will:

- Become acquainted with sociological perspectives, theories, and concepts.
- Expand their knowledge of social life, social institutions, social inequality, identity, and social change.
- Expand their cross-cultural knowledge and be able to analyze the interconnectedness between local and global forces.
- Familiar with a variety of research methods (qualitative, quantitative, and historical-comparative).
- Develop their critical and analytical skills.
- Develop their oral presentation skills.
- Engage the practical value of social research for the advancement of society and attempt to apply it to policy suggestions.

Degree Plan

NOTE: All students are required to complete the General Education Requirements of their campus in fulfillment of their Bachelor degree requirements.

Major requirements (30-42 credits)

6 credits from the MAJOR can be applied toward General Education Requirements.

Required major courses (9 credits)

- SOCI1201 Introduction to Sociology
- SOCI2203 Methods of Social research
- SOCI3021 Classic Sociological Theory **(or)**
- SOCI3022 Contemporary Social Theory

Major Elective courses (21-33 credits)

Select from [SOCI2000](#), 3000, and 4000 series.

Note: Three credits in Internship Experience may be used to fulfill a Major Elective requirement.

- [SOCI4496](#)

6 credits from the MINOR can be applied toward General Education Requirements.

Contact Information

Dr. Gary Darden
973-443-8727
darden@fdu.edu

[Back to Top](#)

Sport Management BA

The Bachelor of Arts in Sport Management (BASM) program provides undergraduate-level studies for traditional and non-traditional students seeking a career in Sport Management, including in the areas of recreation, youth, collegiate, and professional leagues.

The program provides students with a unique academic experience: a strong background in the fundamental aspects of Sport Management (law, finance, marketing, and fundraising), as well as specialization in a particular area of sport (coaching, fitness, and facilities, among others). It supports the success of students in the educational process and prepares them to be world citizens through global education while encouraging the development of applied research for practitioners in the field of sports and recreation management.

The BASM Program is administered from the Metropolitan and Florham Campuses and conducted in the traditional on-campus format. It is also available off-campus (weeknights and Saturdays) and online.

Program highlights

- Create a career in the growing field of Sport Management professionals
- Begin taking sports-related classes right away
- Gain hands-on learning experience through internships and networking opportunities with accomplished sports professionals, teams, and organizations
- Enhance your experience with field trips to local sports-industry destinations
- Improve critical thinking, communication, and leadership skills
- Take classes on campus or online

Admissions requirements

Please submit an application to FDU Admissions for the BASM program via the Common Application or the FDU application.

Standardized test scores are optional for students with a 3.3 GPA (on a 4.0 scale) or higher, or 88 numerical average or higher except for applicants to nursing, pharmacy, physical therapy, and education (QUEST program). If your GPA is below 3.3, standardized test scores are required. FDU accepts both the SAT and ACT.

High school transcripts, or equivalent, are required for admission and will be used to evaluate admission.

Program learning outcomes

BASM courses provide theoretical concepts directly related to practical applications. These courses have learning exercises as well as research requirements that generally are applied projects. As an applied program, students are required to demonstrate comprehension of the more abstract components of the course into a research project that can, in principle and reality, be utilized in the workplace

Communication – A BASM graduate will demonstrate the ability to prepare and deliver effective oral presentations and or write documents that present and evaluate information and opinion in a logical and analytical manner, incorporating research and

documentation, and using style, grammar, mechanics, and format appropriate to an educated audience.

Information Literacy – A BASM graduate will demonstrate the ability to carry out thorough and effective information search strategies using traditional print, digital, and internet sources, evaluate information accessed, and use this information along with existing knowledge to create something new.

Critical Thinking – A BASM graduate will demonstrate competency in critical thinking that encompasses dimensions of informal logic and ethical analysis.

Quantitative Literacy – A BASM graduate will demonstrate the ability to analyze and interpret quantitative information.

Degree requirements

The BASM program of study for students varies depending on their campus location, transfer credits, and other factors. Prior to registering for classes, students *must* consult with their assigned academic advisor to establish their unique program of study.

Courses have been developed based on need and demand of the students. All courses are 3-credit courses.

Degree Requirements for Florham Campus

General Education (42 credits)

A minimum of 120 credits is required for graduation. Up to 6 credits from the major and 6 credits from the minor may be applied toward the General Education requirements.

Written & Oral Communication

- [WRIT1002](#) Composition I: Rhetoric & Inquiry (3)
- [WRIT1003](#) Composition II: Research & Argument (3)

Oral/Professional Communication

Take one three-credit course that is substantially concerned with public speaking and oral presentations, typically a course in COMM or Speech.

Information & Technological Literacy

- MIS1045 Information Technology for Business OR
MIS1135 Introduction to Computers (3)

Ethical Reasoning

Take one three-credit course that is substantially concerned with ethical theories and questions. Choose a course from PHIL, RELI, a course that has "ethics" in its title. SPAD2014 also satisfies this requirement.

Global & Cultural Understanding

Requirements met by UNIV2001 – Cross-Cultural Perspectives and UNIV2002 – Global Issues or an approved substitution.

Substitutions for UNIV2001 – Cross Cultural Perspectives include COMM2105, CREW2022, CREW3080, GOVT2851, HIST3326, INTER3430, LITS2331, SOCI2500, SOCI3344, or SOCI3365. Substitutions for UNIV2002 – Global Issues include COMM2102, CREW2018, GOVT2130, HIST2244, HIST2400, HIST2401, HIST2402, HIST2403, HIST2504, HIST2235, INTER3432, LITS2023, CINE2023, ORGS2400, SOCI2248 or SOCI2901.

Scientific Analysis

Requirement consists of four credits of laboratory science from BIOL, CHEM, ENVR, MBIO, or PHYS.

Quantitative Analysis

Requirement consists of a three-credit college-level mathematics course from MATH or DSCI.

Social and Behavioral Analysis

The Social Science requirement will be satisfied by a three-credit course in one of the following disciplines: ANTH, COMM, ECON, ENVS, GEOG, GOVT, SOCI, SUST.

The Behavioral Analysis requirement will be satisfied by a three-credit course in one of the following disciplines: CMLGY, CRIM, PSYC.

Inquiry in the Arts & Humanities

The Creative & Expressive Arts requirement will be satisfied by a three-credit course in one of the following disciplines: ANIM, ANIMH, ART, ARTH, CGD, CGDH, CINE, CREW, DAN, DANH, FILM, MUSIC, MUSIH, THEA, THEAH.

The Humanities requirement will be satisfied by a three-credit course in one of the following disciplines: AFAM, ENGL, HIST, HUMN, LITS, PHIL, RELI.

University Core for First-Year Students

- UNIV1001 Transitioning to University Life (1)
- UNIV1002 Preparing for Professional Life (1)

Major Requirements (57 credits)

Required Major Courses (15 credits)

- SPAD2004 Introduction to Sports Administration (3)
- SPAD2018 Internship (3)
- SPAD2019 Sports Marketing, Public Relations (3)
- ECON2001 Microeconomics (3)
- ECON2101 Macroeconomics (3)

Sport Management Electives

Section B (21 credits)

- SPAD2010 Legal Aspects of Sport Administration
- SPAD2014 Ethical Issues in Sports
- SPAD2015 Team Development
- SPAD2020 Fund Raising in Sports
- SPAD2022 Facility Management
- SPAD2025 Global Perspectives in Sports
- SPAD3000 Fiscal Concepts in Sports
- SPAD3003 Sports and Society
- SPAD3010 Job Search Strategies (1 credit)
- SPAD3016 Sport Event Management
- SPAD3024 Special Topics in the Sports Industries
- SPAD3030 Human Resource Administration in Sports

- SPAD4001 Sports Internship II

Courses Approved by Academic Advisor

Section C (21 credits)

- SPAD2007 Introduction to Esports
- SPAD2012 Nutrition and Wellness
- SPAD2013 Exercise Physiology
- SPAD2016 Stress Management
- SPAD2017 Safety, First Aid, and Prevention of Injuries
- SPAD2021 Strength and Conditioning
- SPAD2088 Esport Live Events and Operations
- SPAD3001 Theory, Philosophy, and Principles of Coaching
- SPAD3002 Human Kinesiology
- SPAD3004 Youth Program Administration
- SPAD3005 Management in Athletic Training, Athletics, and Health
- SPAD3015 Introduction to Sports Analytics
- ACCT2021 Accounting I
- ACCT2022 Accounting II
- COMM2000 or above
- LAW2276 Business and the Law
- SPCH1155 Fundamentals of Speech
- Any PHED Course

Courses Approved by Academic Advisor

Free Electives (21 credits)

Take 21 credits of courses approved by Academic Advisor.

Degree Requirements for Metro Campus

General Education (42 credits)

University Core (8 credits)

- UNIV1001 Transitioning to University Life (1)

- UNIV1002 PREPARING for Professional Life (1)
- UNIV2001 Cross-cultural Perspectives (3)
- UNIV2002 Global Issues (3)

UNIV1001 and UNIV1002 can be waived for transfer students.

Acceptable substitutions for UNIV2002 include:

- COMM2102 – International Communication
- CREW2018 – Narrative Storytelling
- GOVT2130 – International Relations
- HIST2244 – Islamic Empires
- HIST2400 – Indian Ocean
- HIST2401 – Pacific Worlds
- HIST2402 – Atlantic Worlds
- HIST2403 – Mediterranean
- HIST2504 – Gender and Race in Latin America
- HIST3252 – Dictatorship in Latin America
- HRTM2235 – Sustainability & Ecotourism
- INTER3432 – Global Issues and Britain (Wroxton)
- LITS2023 and CINE2023 (cross-listed course) – Food and Culture on Film
- ORGS2400 – Global Issues and Creating a Sustainable Future
- SOCI2248 – Globalization, Culture, & Identity
- SOCI2901 – A World on the Move: Contemporary Migrations
- UNIV2002 – Global Issues

Acceptable substitutions for UNIV2001 include:

- COMM2105 – Communicating Status
- CREW2022 – Storytelling and Social Justice
- CREW3080 – Music & Poetry
- GOVT2851 – Politics of Horror
- HIST3326 – Islam and Christianity in Africa
- INTER3430 – Anatomy of Britain (Wroxton)
- LITS2331 – Myth & Sacred Texts

- SOCI2500 – Food and Society
- SOCI3344 – School and Society
- SOCI3365 – Sociology of Religion
- UNIV2001 – Cross-Cultural Perspectives

College & Research Writing (6 credits)

- WRIT1002 (3)
- WRIT1003 (3)

Oral / Professional Communications (3 credits)

Any SPCH or COMM course

Information & Technological Literacy (3 credits)

- MIS1135 OR
  MIS1045 (3)

Ethical Reasoning (3 credits)

SPAD2014 or from any discipline that is substantially concerned with ethical theories and questions such as a course in philosophy, religion, or a course with "ethics" in its title.

Scientific & Quantitative Analysis (7 Credits)

- BIOL, CHEM, and PHYC (4)
- MATH1101, MATH1105, or MATH1131 (3)

Social & Behavioral Science (6 Credits)

Social Science (Pick one – ANTH, ECON, GEOG, GOVT, COMM, SOCI)

Behavioral Science (Pick one – CMLGY, CRIM, PSYC)

Inquiry in the Arts & Humanities (6 Credits)

Humanities (Pick one – AFAM, ENGL, HIST, HUMN, LITS, PHIL)

Creative and Expressive Arts (Pick one – ANIM, ANIMH, ART, ARTH, CGD, CGDH, CINE, CREW, DANCE, MUSIC, MUSICH, FILM, THEA, THEAH)

Required Sports Management Courses (15 Credits)

- SPAD2004 Introduction to Sports Administration (3)
- SPAD2018 Internship (3)
- SPAD2019 Sport Marketing and Public Relations (3)
- ECON2001 Microeconomics (3)
- ECON2102 Macroeconomics (3)

Sports Management Electives from Section B (21 credits)

- SPAD2010 Legal Aspects of Sports Administration
- SPAD2014 Ethical Issues in Sports
- SPAD2015 Team Development
- SPAD2020 Fund Raising in Sports
- SPAD2022 Facility Management
- SPAD2025 Global Perspective in Sport
- SPAD3000 Fiscal Concepts in Sports
- SPAD3003 Sports and Society
- SPAD3010 Job Search Strategies (1)
- SPAD3016 Sport Event Management
- SPAD3030 Human Resource Administration in Sports
- SPAD3024 Special Topics
- SPAD4000 International Sport Administration
- SPAD4001 Sports Internship II

Sports Management Electives from Section C (21 Credits)

- SPAD2007 Intro to ESport
- SPAD2012 Nutrition and Wellness
- SPAD2013 Exercise Physiology
- SPAD2016 Stress Management
- SPAD2017 Safety, First Aid, and Prevention of Injuries
- SPAD2021 Strength and Conditioning
- SPAD2088 ESport Live Events/Operations
- SPAD3001 Theory, Philosophy, and Principles of Coaching

- SPAD3002 Human Kinesiology
- SPAD3004 Youth Program Administration
- SPAD3005 Management in Athletic Training, Athletics, and Health
- SPAD3015 Intro to Sport Analytics
- SPAD Special Topics Course
- ACCT2021 Accounting I
- ACCT2022 Accounting II
- COMM course 2000 or above
- LAW2276 Business and the Law
- SPCH1155 Fundamentals of Speech

Courses Approved by Academic Advisor – allowed up to 18 credits

Free Electives (21 Credits)

Take 21 credits of courses approved by Academic Advisor.

Study Abroad at Wroxton

We have a study abroad class built into our curriculum. Any of our students (MSM, BA/MSM, or BA) can take the course.

- SPAD4000 International Sports Administration (3-credits)
- MSA6630 Global Sports (3-credits)

8 Perfect Days in England. Learn about sports based cultures and history! Explore sports business opportunities! Some of the sites we visit include, but not limited to:

- Wimbledon Lawn Tennis Museum 7 Tour
- Queen Elizabeth Olympic Park Stadium
- Villa Park – home of the Aston Villa Football Club
- The World Rugby Museum
- Silverstone Motor Racing Circuit
- River and Rowing Museum

Career options

The BASM degree combines allows students to combine their love for sports with their interest in business management. With a degree in Sport Management from FDU, professional opportunities may include leadership and management roles with intramural and community athletic programs, university or college sports programs, and amateur and professional athletic leagues. Being exposed to case studies, discussions and research from BASM classes, students are well-equipped to undertake planning, coordinating, marketing, and budgeting tasks in fields related to sports and recreation.

Careers Choices: Director of Promotions, Sport Agency Representative, General Manager, Sport Analyst, Sport Business Entrepreneur, Athletic Director, Marketing Manager, Fitness club manager, Sports equipment salesperson, Facilities coordinator, Team owner, Sports agency representative, Recreation center manager, Golf course manager, Park superintendent, Tournament director, Compliance officer, General manager, Associate director of marketing, Assistant director of facilities, Director of youth sports, Media relations director, Advertising sales representative, Guest service manager, Ticket manager, Special event promotions manager, Tournament planner, Sports information director, Customer relations director, Sports Networker

Potential Employment Setting: Professional and Minor Leagues, College Athletic Departments, Amateur, Intramural, Club Sport, and Recreation Programs, Private Section Marketing Firms

Internship Sites: Our students have interned at many prestigious sports organizations, including, but not limited to: Madison Square Garden, New York Mets, New York Yankees, Brooklyn Nets, New York Jets, New York Giants, New Jersey Devils, New York Red Bulls, Philadelphia union, and more.

Internship and Job Opportunities:

All BA Sport Management students should follow the steps listed below in order to see the latest job opportunities and internships available in the Sport Management field.

1. Log on to WebCampus
2. Click on Organizations, left side of page FDU Community tab on the top
3. Click 'FDU Sport Management'

Contact Information
Dr. Robyn Lubisco, Program Director at Florham Campus
973-443-8971
lubisco@fdu.edu

Contact Information

Dr. J.C. Kim, Program Director at Metropolitan Campus
201-692-7272
jckim1@fdu.edu

Sport Management BA, Sport Management MSM combined degree

FDU's innovative Bachelor of Arts and Master of Sport Management (BA/MSM) five-year combined degree program allows students to turn their passion for sports into a career. The sports industry is one of the largest areas of commerce in the United States, producing more than $213 billion annually. Each year, there's a growing demand among employers for knowledgeable and skilled professionals in this exciting and competitive field. Get ready to jump-start your sports career after earning your Bachelor of Arts in Sport Management plus a Master of Sport Management in just five years!

Program description

In this highly personalized, interdisciplinary program, studies in sport management start on the first day of class. Students take sports-related courses plus classes that sharpen their business, information systems, and communications abilities. Courses prepare students for leadership responsibilities in such areas as professional sports administration, facility and event management, sports marketing and communications, athletic administration, advertising and promotion, and coaching.

The BA/MSM combined degree program is offered in-person on both FDU's Metropolitan Campus in Teaneck and Florham Campus in Madison.

Program highlights

Here are just some of the advantages students find as a BA/MSM major at FDU:

- **A great location**. Our Metropolitan Campus is just eight miles from New York City, one of the largest sports and athletic markets in the nation. It will become an integral part of your learning experience — with guest speakers, field trips, internships, and more.
- **Experience counts.** Our networking and internship programs will give you the opportunity for hands-on learning with accomplished sports professionals, teams, and organizations.
- **Learning here is personal**. With a 15:1 faculty/student ratio and an average class size of 20, your professors will get to know you by name.
- **Get career-ready faster.** Earning both your bachelor's and master's degrees in just five years saves you time and money.
- **An education that's affordable.** We work hard to make FDU a smart, affordable college choice for every interested student. The University offers generous scholarships of up to $20,000 a year. And more than four of every five students attending the University receive financial aid and scholarship support.

Program learning outcomes

BA/MSM courses provide theoretical concepts directly related to practical applications. These courses have learning exercises as well as research requirements that generally are applied projects. As an applied program, students are required to demonstrate comprehension of the more abstract components of the course into a research project that can, in principle and reality, be utilized in the workplace

1. **Communication** – A BA/MSM graduate will demonstrate the ability to prepare and deliver effective oral presentations and or write documents that present and evaluate information and opinion in a logical and analytical manner, incorporating research and documentation, and using style, grammar, mechanics, and format appropriate to an educated audience.
2. **Information Literacy** – A BA/MSM graduate will demonstrate the ability to carry out thorough and effective information search strategies using traditional print, digital, and internet sources, evaluate information accessed, and use this information along with existing knowledge to create something new.

3. **Critical Thinking** – A BA/MSM graduate will demonstrate competency in critical thinking that encompasses dimensions of informal logic and ethical analysis.
4. **Quantitative Literacy** – A BA/MSM graduate will demonstrate the ability to analyze and interpret quantitative information.

Admissions

For students interested in enrolling in the combined BA/MSM program, please contact FDU's Office of Undergraduate Admissions by phone at **1-800-338-8803** or via email at **admissions@fdu.edu**.

Degree Requirements for Florham Campus

General Education (42 credits)

A minimum of 120 credits is required for the undergraduate degree. The graduate degree requires an additional 18 credits. Up to 6 credits from the major and 6 credits from the minor may be applied toward the General Education requirements.

Written & Oral Communication

- WRIT1002 Composition I: Rhetoric & Inquiry (3)
- WRIT1003 Composition II: Research & Argument (3)

Oral/Professional Communication

Take one three-credit course that is substantially concerned with public speaking and oral presentations, typically a course in COMM or Speech.

Information & Technological Literacy

- MIS1045 Information Technology for Business OR
  MIS1135 Introduction to Computers (3)

Ethical Reasoning

Take one three-credit course that is substantially concerned with ethical theories and questions. Choose a course from PHIL, RELI, a course that has "ethics" in its title. SPAD2014 also satisfies this requirement.

Global & Cultural Understanding

Requirements met by UNIV2001 – Cross-Cultural Perspectives and UNIV2002 – Global Issues or an approved substitution.

Substitutions for UNIV2001 – Cross Cultural Perspectives include COMM2105, CREW2022, CREW3080, GOVT2851, HIST3326, INTER3430, LITS2331, SOCI2500, SOCI3344, or SOCI3365. Substitutions for UNIV2002 – Global Issues include COMM2102, CREW2018, GOVT2130, HIST2244, HIST2400, HIST2401, HIST2402, HIST2403, HIST2504, HIST2235, INTER3432, LITS2023, CINE2023, ORGS2400, SOCI2248 or SOCI2901.

Scientific Analysis

Requirement consists of four credits of laboratory science from BIOL, CHEM, ENVR, MBIO, or PHYS.

Quantitative Analysis

Requirement consists of a three-credit college-level mathematics course from MATH or DSCI.

Social and Behavioral Analysis

The Social Science requirement will be satisfied by a three-credit course in one of the following disciplines: ANTH, COMM, ECON, ENVS, GEOG, GOVT, SOCI, SUST.

The Behavioral Analysis requirement will be satisfied by a three-credit course in one of the following disciplines: CMLGY, CRIM, PSYC.

Inquiry in the Arts & Humanities

The Creative & Expressive Arts requirement will be satisfied by a three-credit course in one of the following disciplines: ANIM, ANIMH, ART, ARTH, CGD, CGDH, CINE, CREW, DAN, DANH, FILM, MUSIC, MUSIH, THEA, THEAH.

The Humanities requirement will be satisfied by a three-credit course in one of the following disciplines: AFAM, ENGL, HIST, HUMN, LITS, PHIL, RELI.

University Core for First-Year Students

- UNIV1001 Transitioning to University Life (1)
- UNIV1002 Preparing for Professional Life (1)

Major Requirements (57 credits)

Required Major Courses (15 credits)

- SPAD2004 Introduction to Sports Administration (3)
- SPAD2018 Internship (3)
- SPAD2019 Sports Marketing, Public Relations (3)
- ECON2001 Microeconomics (3)
- ECON2101 Macroeconomics (3)

Sport Management Electives

Section B (12 credits)

- SPAD2010 Legal Aspects of Sport Administration
- SPAD2014 Ethical Issues in Sports
- SPAD2015 Team Development
- SPAD2020 Fund Raising in Sports
- SPAD2022 Facility Management
- SPAD2025 Global Perspectives in Sports
- SPAD3000 Fiscal Concepts in Sports
- SPAD3003 Sports and Society
- SPAD3010 Job Search Strategies (1 credit)
- SPAD3016 Sport Event Management
- SPAD3024 Special Topics in the Sports Industries
- SPAD3030 Human Resource Administration in Sports
- SPAD4001 Sports Internship II

Courses Approved by Academic Advisor

Section C (12 credits)

- SPAD2007 Introduction to Esports
- SPAD2012 Nutrition and Wellness
- SPAD2013 Exercise Physiology
- SPAD2016 Stress Management
- SPAD2017 Safety, First Aid, and Prevention of Injuries

- SPAD2021 Strength and Conditioning
- SPAD2088 Esport Live Events and Operations
- SPAD3001 Theory, Philosophy, and Principles of Coaching
- SPAD3002 Human Kinesiology
- SPAD3004 Youth Program Administration
- SPAD3005 Management in Athletic Training, Athletics, and Health
- SPAD3015 Introduction to Sports Analytics
- ACCT2021 Accounting I
- ACCT2022 Accounting II
- COMM2000 or above
- LAW2276 Business and the Law
- SPCH1155 Fundamentals of Speech
- Any PHED Course

Courses Approved by Academic Advisor

Free Electives (21 credits)

Take 21 credits of courses approved by Academic Advisor.

Required Graduate (MSA) Courses (36 credits)

Courses in Fourth Year (18 credits)

- MSA6602 Facility Admin, Planning (Fall)
- MSA6702 Sports Administration Research & Policy (Fall)
- MSA6703 Financial Administration (Spring)
- MSA6603 Sport Marketing & Promotion (Spring)
- MSA6607 Human Resources Administration (Fall)
- MSA6701 Legal Issues – Dom & Int Sp (Spring)

Courses in Fifth Year (18 credits)

- MSA Free Elective (Fall)
- MSA Free Elective (Fall)
- MSA Free Elective (Fall)
- MSA6705 Strategic Planning, Implementation and (Spring)

- Evaluation
- [MSA6704](#) Internship (Spring)
- MSA Free Elective (Spring)

Degree Requirements for Metro Campus

General Education (42 credits)

University Core (8 credits)

- [UNIV1001](#) Transitioning to University Life (1)
- [UNIV1002](#) PREPARING for Professional Life (1)
- [UNIV2001](#) Cross-cultural Perspectives (3)
- [UNIV2002](#) Global Issues (3)

[UNIV1001](#) and [UNIV1002](#) can be waived for transfer students.

Acceptable substitutions for [UNIV2002](#) include:

- [COMM2102](#) – International Communication
- [CREW2018](#) – Narrative Storytelling
- [GOVT2130](#) – International Relations
- [HIST2244](#) – Islamic Empires
- [HIST2400](#) – Indian Ocean
- [HIST2401](#) – Pacific Worlds
- [HIST2402](#) – Atlantic Worlds
- [HIST2403](#) – Mediterranean
- [HIST2504](#) – Gender and Race in Latin America
- [HIST3252](#) – Dictatorship in Latin America
- [HRTM2235](#) – Sustainability & Ecotourism
- [INTER3432](#) – Global Issues and Britain (Wroxton)
- [LITS2023](#) and [CINE2023](#) (cross-listed course) – Food and Culture on Film
- [ORGS2400](#) – Global Issues and Creating a Sustainable Future
- [SOCI2248](#) – Globalization, Culture, & Identity
- [SOCI2901](#) – A World on the Move: Contemporary Migrations
- [UNIV2002](#) – Global Issues

Acceptable substitutions for UNIV2001 include:

- COMM2105 – Communicating Status
- CREW2022 – Storytelling and Social Justice
- CREW3080 – Music & Poetry
- GOVT2851 – Politics of Horror
- HIST3326 – Islam and Christianity in Africa
- INTER3430 – Anatomy of Britain (Wroxton)
- LITS2331 – Myth & Sacred Texts
- SOCI2500 – Food and Society
- SOCI3344 – School and Society
- SOCI3365 – Sociology of Religion
- UNIV2001 – Cross-Cultural Perspectives

College & Research Writing (6 credits)

- WRIT1002 (3)
- WRIT1003 (3)

Oral / Professional Communications (3 credits)

Any SPCH or COMM course

Information & Technological Literacy (3 credits)

- MIS1135 OR
  MIS1045 (3)

Ethical Reasoning (3 credits)

SPAD2014 or from any discipline that is substantially concerned with ethical theories and questions such as a course in philosophy, religion, or a course with "ethics" in its title.

Scientific & Quantitative Analysis (7 Credits)

- BIOL, CHEM, and PHYC (4)
- MATH1101, MATH1105, or MATH1131 (3)

Social & Behavioral Science (6 Credits)

Social Science (Pick one – ANTH, ECON, GEOG, GOVT, COMM, SOCI)

Behavioral Science (Pick one – CMLGY, CRIM, PSYC)

Inquiry in the Arts & Humanities (6 Credits)

Humanities (Pick one – AFAM, ENGL, HIST, HUMN, LITS, PHIL)

Creative and Expressive Arts (Pick one – ANIM, ANIMH, ART, ARTH, CGD, CGDH, CINE, CREW, DANCE, MUSIC, MUSICH, FILM, THEA, THEAH)

Required Sports Management Courses (15 Credits)

- SPAD2004 Introduction to Sports Administration (3)
- SPAD2018 Internship (3)
- SPAD2019 Sport Marketing and Public Relations (3)
- ECON2001 Microeconomics (3)
- ECON2102 Macroeconomics (3)

Sports Management Electives from Section B (12 credits)

- SPAD2010 Legal Aspects of Sports Administration
- SPAD2014 Ethical Issues in Sports
- SPAD2015 Team Development
- SPAD2020 Fund Raising in Sports
- SPAD2022 Facility Management
- SPAD2025 Global Perspective in Sport
- SPAD3000 Fiscal Concepts in Sports
- SPAD3003 Sports and Society
- SPAD3010 Job Search Strategies (1)
- SPAD3016 Sport Event Management
- SPAD3030 Human Resource Administration in Sports
- SPAD3024 Special Topics
- SPAD4000 International Sport Administration
- SPAD4001 Sports Internship II

Sports Management Electives from Section C (12 Credits)

- SPAD2007 Intro to ESport
- SPAD2012 Nutrition and Wellness
- SPAD2013 Exercise Physiology
- SPAD2016 Stress Management
- SPAD2017 Safety, First Aid, and Prevention of Injuries
- SPAD2021 Strength and Conditioning
- SPAD2088 ESport Live Events/Operations
- SPAD3001 Theory, Philosophy, and Principles of Coaching
- SPAD3002 Human Kinesiology
- SPAD3004 Youth Program Administration
- SPAD3005 Management in Athletic Training, Athletics, and Health
- SPAD3015 Intro to Sport Analytics
- SPAD Special Topics Course
- ACCT2021 Accounting I
- ACCT2022 Accounting II
- COMM course 2000 or above
- LAW2276 Business and the Law
- SPCH1155 Fundamentals of Speech

Courses Approved by Academic Advisor – allowed up to 18 credits

Free Electives (21 Credits)

Take 21 credits of courses approved by Academic Advisor.

Required Graduate (MSA) Courses (36 credits)

Courses in Fourth Year (18 credits)

- MSA6602 Facil Dev, Admin, Programming (Fall)
- MSA6702 Sports Admin Rsrch/Policy Anal (Fall)
- MSA6703 Financial Admin in Sports (Spring)
- MSA6603 Sports Marketing & Promotions (Spring)
- MSA6607 HR Admin Sports Organization (Fall)
- MSA6701 Legal Iss Domestic/Int'l Sport (Spring)

Courses in Fifth Year (18 credits)

- MSA Free Elective (Fall)
- MSA Free Elective (Fall)
- MSA Free Elective (Fall)
- [MSA6705](#) Strategic Plan/Implement/Evalu (Spring)
- [MSA6704](#) Internship I/Indiv Job Relat Pro (Spring)
- MSA Free Elective (Spring)

Career options

The BASM-MSM degree combines allows students to combine their love for sports with their interest in business management. With a degree in sport management from FDU, professional opportunities may include leadership and management roles with intramural and community athletic programs, university or college sports programs, and amateur and professional athletic leagues. Being exposed to case studies, discussions and research from BASM classes, students are well-equipped to undertake planning, coordinating, marketing, and budgeting tasks in fields related to sports and recreation.

Careers Choices: Director of Promotions, Sport Agency Representative, General Manager, Sport Analyst, Sport Business Entrepreneur, Athletic Director, Marketing Manager, Fitness club manager, Sports equipment salesperson, Facilities coordinator, Team owner, Sports agency representative, Recreation center manager, Golf course manager, Park superintendent, Tournament director, Compliance officer, General manager, Associate director of marketing, Assistant director of facilities, Director of youth sports, Media relations director, Advertising sales representative, Guest service manager, Ticket manager, Special event promotions manager, Tournament planner, Sports information director, Customer relations director, Sports Networker

Potential Employment Setting: Professional and Minor Leagues, College Athletic Departments, Amateur, Intramural, Club Sport, and Recreation Programs, Private Section Marketing Firms

Internship Sites: Our students have interned at many prestigious sports organizations, including, but not limited to: Madison Square Garden, New York Mets, New York Yankees, Brooklyn Nets, New York Jets, New York Giants, New Jersey Devils, New York Red Bulls, Philadelphia union, and more.

Contact Information
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[Back to Top](#)

Theater Arts BA

About the Program

Are you ready to step into the dynamic world of theater? The Theater Arts BA will take you on a journey across the many aspects of the theater world. Our program aims to give you an in-depth preparation to enter a robust profession with many possibilities. Our program is ideal for future Directors, Actors, Musical Theater professionals, Theater Studies enthusiasts, Theater Design and Technical Theater specialists. Our community brings in students and faculty as well as many visiting artists together in pursuit of imagination, craft, and curiosity. In this program, you will have an opportunity to chose your path forward all the wile receiving support from our renowned faculty while learning about the history, artistic importance, and craft of the big world of theater.

About the Major and Concentrations

Each of the below concentrations aims to give you the maximum flexibility to explore and build your artistry. The Major Electives for each concentration ensure that you are in control of your development. In addition, the General Education curriculum ensures that you can select courses that fit your interests and pursuits while gaining a comprehensive basis for the rest of your education. In conjunction, the Theater Arts

major gives you the power to build an individualized educational and professional experience.

A Note on Minors and Free Electives

6 Credits from a MINOR may be applied towards Gen. Ed. Take 16-18 credits of free electives to reach the 120 credits required for graduation, along with all General Education (42 credits) and Major requirements. No more than 45 credits in your major discipline may be counted toward graduation requirements.

Program Learning Outcomes

Upon completion of the program, students will be able to:

- Demonstrate a comprehensive knowledge of theatrical history through the examination of American, European and World theatrical literature.
- Master the basic skills of theatrical performance and communication through public speaking, creative presentation, acting and/or directing.
- Demonstrate a knowledge of theatre production techniques, theatre design and basic stagecraft.
- Demonstrate audition, interview and professional career development skills.

Professional Competencies

As a result of completing this major, you will gain a myriad of skills and competencies. Below is a short list of what you will hone in through your journey at FDU:

Procedural

- Gaining experience with the inner-workings of the theater world
- Understand the processes involved in various aspects of theatrical productions

Communication

- Communicating visually, verbally, and in writing
- Providing and reacting to feedback as well as critique

Critical Thinking

- Making choices to adapt to changing circumstances
- Understanding and adapting large quantities of information

Habits of Mind

- Working under pressure and meeting deadlines
- Problem-solving and adapting strategies to fulfill a specific goal

Possible Career Paths

The world of Theater Arts offers a versitile field with many careers in a vast and ever-changing industry. The U.S. Bureau of Labor Statistics points to several possible career paths graduates of this degree can pursue:

- Professional acting
- Directing
- Theater history and criticism
- Playwriting
- Design
- Theater design
- Theater management
- Voice acting
- Theater studies and education
- Drama therapy

Degree Plans

Each Theater Arts student will have an opportunity to select a specialty through enrolling in a concentration of their choosing.

Acting concentration

Major Requirements (45 credits plus 12 cognate credits)

Major Required Course (36 credits)

Note: (2.0 GPA Required)

- THEAH1201 Development of Theater I-Greeks thru Shakespeare (3)
- THEAH1202 Development of Theater II- Restoration thru Today (3)
- THEAH2255 Playwriting & Dramatic Structure (3)
- THEA1203 Basic Acting (3)
- THEA2204 Intermediate Acting (3)
- THEA2005 Directing I (3)
- THEA2209 Stagecraft I (3)
- THEA3336 Acting for Film and TV (3)
- THEA3358 Acting Shakespeare (3)
- THEA3361 Stage Production and Crew (1)
- THEA3362 Stage Production and Crew II (1)
- THEA3363 Stage Production and Crew III (1)
- THEA4420 Advanced Acting (3)
- THEA4421 Advanced Acting II (3)

Major Elective Courses (9 Credits)

Select courses from those listed below

- THEAH3337 Night at the Theater (3)
- THEAH3344 History of the Musical (3)
- THEAH3339 London Theater Experience (3)
- THEA1005 Make-up for the Stage (1)
- THEA1015 Basic Vocal Technique (3)
- THEA2001 Advanced Make Up for the Stage (1)
- THEA2310 Stage Management (3)
- THEA2215 Set Design (3)
- THEA2216 Set Design II (3)
- THEA2311 Children's Theater (3)
- THEA2312 Children's Theater II (3)
- THEA2339 Musical Theater Workshop (3)
- THEA2340 Advanced Musical Theater Workshop (3)
- THEA2400 Production Management (3)
- THEA3110 Stagecraft II (3)
- THEA3112 Lighting for the Stage (3)

- [THEA3313](#) Scene Painting (3)
- [THEA3114](#) Design Studio (3)
- [THEA3364](#) Stage Production and Crew (1),
- [THEA3365](#) Stage Production and Crew V (1)
- [THEA3366](#) Stage Production and Crew VI (1)
- [THEA3357](#) Audio Design Concepts (3)
- [THEA3800](#) Fundamentals of Teaching Acting (1-3)
- [MUSIC2221](#) Fundamentals of MUSIC Theory (3)
- [MUSIH2212](#) Survey of Music: 1800-Today (3)
- [MUSIC1020](#) Chorus I, [MUSIC1022](#) (1), [MUSIC1023](#) (1) , [MUSIC1204](#) (1)
- [MUSIC1025](#) (1), [MUSIC1026](#) (1), [MUSIC1027](#) (1), [MUSIC1028](#) (1)
- [MUSIC1376](#) Private Instruction Voice (1), [MUSIC1380](#) (1), [MUSIC1401](#) (1)
- [MUSIC1402](#), [MUSIC1405](#), [MUSIC1406](#), [MUSIC1407](#), [MUSIC1408](#)
- [DANH1322](#) Dance History and Appreciation (3)
- [DAN1320](#) Dance for Beginners (3)
- [DAN2020](#) Basic Tap (3)
- [DAN2021](#) Ballet 1 (3)
- [DAN2022](#)/[DAN2023](#)/[DAN2024](#) Ballet II -IV (3)
- [DAN2505](#) Dance II (3)
- [DAN2507](#) Choreography (3)
- [DAN2509](#) Chamber Dance Group (1)
- [DAN2510](#) Chamber Dance Group II (1)
- [DAN2600](#) Theater Dance (3)
- [DAN2601](#) Modern Dance (3)
- [DAN2700](#) Hip Hop (3)
- [DAN3020](#) Advanced Tap (3)
- [DAN3316](#) Stage Combat (1)
- [DAN3500](#) Dance Study at NJSB (3)

Cognate Requirements (12 Credits)

- [SOAC3001](#) Career Path to the Arts (3)
- [SOAC4006](#) Professional Practice: Theater (3)
- [SPCH2004](#) Speech & Diction (3)

- DAN2506 Movement for the Actor (3)

Design and Technical Theater Concentration

Major Requirements (45 credits plus 6 cognate credits)

Major Required Course (36 credits)

(2.0 GPA Required)

- THEAH1201 Development of Theater I-Greeks thru Shakespeare (3)
- THEAH1202 Development of Theater II- Restoration thru Today (3)
- THEA2005 Directing I (3)
- THEA2209 Stagecraft I (3)
- THEA2215 Set Design (3)
- THEA2310 Stage Management (3)
- THEA3110 Stagecraft II (3)
- THEA3112 Lighting for the Stage (3)

OR

- THEA1010 VectorWorks for Entertainment (3)
- THEAH2255 Playwriting & Dramatic Structure (3)
- THEA3337 Night at the Theater (3)

OR

- THEAH3339 London Theater Experience (3)
- THEA3361 Stage Production and Crew (1)
- THEA3362 Stage Production and Crew II (1)
- THEA3363 Stage Production and Crew III (1)
- THEA3364 Stage Production and Crew IV (1)
- THEA3365 Stage Production and Crew V (1)
- THEA3366 Stage Production and Crew VI (1)

Major Elective Courses (9 Credits)

Select courses from those listed below

- [ART1201](#) Drawing I
- [ART1202](#) Drawing II
- [ART1225](#) Painting I (3)
- [ART1315](#) Ceramics I (3)
- [ANIM1850](#) 3D Computer Modeling (3)
- [CGD1313](#) Creative Imagery with Photoshop (3)
- [CGD1314](#) Illustrator Graphics and Design (3)
- [THEAH3344](#) History of the Musical (3)
- [THEAH3339](#) London Theater Experience (3)
- [THEA1010](#) VectorWorks for Entertainment (3)
- [THEA2001](#) Advanced Make Up for the Stage (1)
- [THEA2216](#) Set Design II (3)
- [THEA2311](#) Children's Theater (3)
- [THEA2312](#) Children's Theater II (3)
- [THEA2400](#) Production Management (3)
- [THEA3006](#) Directing II (3)
- [THEA3110](#) Stagecraft II (3)
- [THEA3114](#) Design Studio (3)
- [THEA3313](#) Scene Painting (3)
- [THEA3315](#) Stage and Studio Lighting (3)
- [THEA3325](#) Stagecraft III (3)
- [THEA3357](#) Audio Design Concepts (3)
- [THEA4410](#) Stage Craft IV (3)
- [THEA4416](#) Rendering and Drafting for Theater (3)
- [THEA4803](#) Senior Independent Study (1-3)
- [MUSIH2212](#) Survey of Music: 1800-Today (3)
- [MUSIC2221](#) Fundamentals of MUSIC Theory (3)
- [MUSIC1020](#) Chorus (1)
- [MUSIC1015](#) Basic Vocal Techniques (3)
- [DANH1322](#) Dance History and Appreciation (3)

Cognate Requirements (6 Credits)

- [SOAC3001](#) Career Path to the Arts (3)

- SOAC4006 Professional Practice: Theater (3)

Directing Concentration

Major Requirements (45 credits plus 6 cognate credits)

Major Required Course (39 credits)

(2.0 GPA Required)

- THEA1110 Intro to Acting (3)
- THEAH1201 Development of Theater I-Greeks thru Shakespeare (3)
- THEAH1202 Development of Theater II- Restoration thru Today (3)
- THEAH2255 Playwriting & Dramatic Structure (3)
- THEAH3337 Night at the Theater (3)
- THEA2005 Directing I (3)
- THEA2209 Stagecraft I (3)
- THEA2310 Stage Management (3)
- THEA2215 Set Design (3)
- THEA3112 Lighting for the Stage (3)
- THEA3006 Directing II (3) OR THEA2400 Production Management (3) OR THEA3114 Design Studio (3)
- THEA3358 Acting Shakespeare (3)
- THEA3361 Stage Production and Crew (1)
- THEA3362 Stage Production and Crew II (1)
- THEA3363 Stage Production and Crew III (1)

Major Elective Courses (6 Credits)

Select courses from those listed below

- THEAH3344 History of the Musical (3)
- THEAH3339 London Theater Experience (3)
- THEA1010 VectorWorks for Entertainment (3)
- THEA1005 Make-up for the Stage (1)
- THEA1015 Basic Vocal Technique (3)
- THEA1111 Intro to Acting II

- [THEA2001](#) Advanced Make Up for the Stage (1)
- [THEA2216](#) Set Design II (3)
- [THEA2311](#) Children's Theater (3)
- [THEA2312](#) Children's Theater II (3)
- [THEA2400](#) Production Management (3)
- [THEA3110](#) Stagecraft II (3)
- [THEA3006](#) Directing II (3)
- [THEA3313](#) Scene Painting (3)
- [THEA3114](#) Design Studio (3)
- [THEA3315](#) Stage and Studio Lighting (3)
- [THEA3325](#) Stagecraft III (3)
- [THEA3336](#) Acting for Film and TV (3)
- [THEA3357](#) Audio Design Concepts (3)
- [THEA3364](#) Stage Production and Crew (1),
- [THEA3365](#) Stage Production and Crew V (1)
- [THEA3366](#) Stage Production and Crew VI (1)
- [THEA3800](#) Fundamentals of Teaching Acting (1-3)
- [THEA4420](#) Advanced Acting (3)
- [THEA4800](#) Independent Study in Directing
- [MUSIH2212](#) Survey of Music: 1800-Today (3)
- [MUSIC1020](#) Chorus I, [MUSIC1022](#) (1), [MUSIC1023](#) (1) , [MUSIC1204](#) (1)
- [MUSIC1025](#) (1), [MUSIC1026](#) (1), [MUSIC1027](#) (1), [MUSIC1028](#) (1)
- [MUSIC1376](#) Private Instruction Voice (1), [MUSIC1380](#) (1), [MUSIC1401](#) (1)
- [MUSIC2221](#) Fundamentals of MUSIC Theory (3)
- [DANH1322](#) Dance History and Appreciation (3)
- [DAN1320](#) Dance for Beginners (3)
- [DAN2020](#) Basic Tap (3)
- [DAN2021](#) Ballet 1 (3)
- [DAN2022](#)/[DAN2023](#)/[DAN2024](#) Ballet II -IV (3)
- [DAN2506](#) Movement for the Actor (3)
- [DAN2507](#) Choreography (3)
- [DAN2509](#) Chamber Dance Group (1)
- [DAN2510](#) Chamber Dance Group II (1)

- [DAN2601](#) Modern Dance (3)
- [DAN2700](#) Hip Hop (3)
- [DAN3020](#) Advanced Tap (3)
- [DAN3316](#) Stage Combat (1)
- [DAN3500](#) Dance Study at NJSB (3)
- [SPCH2004](#) Speech & Diction (3)

Cognate Requirements (6 Credits)

- [SOAC3001](#) Career Path to the Arts (3)
- [SOAC4006](#) Professional Practice: Theater (3)

Musical Theater Concentration

Major Requirements (42 credits plus 12 cognate credits)

Major Required Course (33 credits)

(2.0 GPA Required)

- [THEAH1201](#) Development of Theater I-Greeks thru Shakespeare (3) **OR**
- [THEAH1202](#) Development of Theater II- Restoration thru Today (3) **AND**
- [THEAH3344](#) History of the Musical (3)
- [THEA1203](#) Basic Acting I
- [THEA2204](#) Intermediate Acting
- [THEA2209](#) Stagecraft I (3)
- [THEA2339](#) Musical Theater Workshop
- [THEA2340](#) Advanced Musical Theater Workshop
- [THEA3361](#) Stage Production and Crew (1)
- [THEA3362](#) Stage Production and Crew II (1)
- [THEA3363](#) Stage Production and Crew III (1)
- [THEA4420](#) Advanced Acting (3)
- [DAN2600](#) Theater Dance (3)
- [MUSIC1015](#) Basic Vocal Technique (3) **OR**
- [MUSIC1376](#) Private Voice Lessons (1) **AND**
- [MUSIC1380](#) Private Instruction in Voice II (1) **AND**

- MUSIC1401 Private Instruction in Voice III (1)

Major Elective Courses (9 Credits)

Select courses from those listed below

- THEAH2255 Playwriting & Dramatic Structure (3)
- THEAH3337 Night at the Theater (3)
- THEAH3339 London Theater Experience (3)
- THEA1005 Make-up for the Stage (1)
- THEA2001 Advanced Make Up for the Stage (1)
- THEA2310 Stage Management (3)
- THEA2215 Set Design (3)
- THEA2216 Set Design II (3)
- THEA2005 Directing I (3)
- THEA2311 Children's Theater (3)
- THEA2312 Children's Theater II (3)
- THEA2400 Production Management (3)
- THEA3110 Stagecraft II (3)
- THEA3112 Lighting for the Stage (3)
- THEA3313 Scene Painting (3)
- THEA3114 Design Studio (3)
- THEA3800 Fundamentals of Teaching Acting (1-3)
- THEA3336 Acting for Film and TV (3)
- THEA3364 Stage Production and Crew IV (1)
- THEA3365 Stage Production and Crew V (1)
- THEA3366 Stage Production and Crew VI (1)
- THEA4800 Independent Study in Directing
- THEA4421 Advanced Acting II (3)
- MUSIC2221 Fundamentals of MUSIC Theory (3)
- MUSIH2212 Survey of Music: 1800-Today (3)
- MUSIC1020 Chorus I, MUSIC1022 (1), MUSIC1023 (1) , MUSIC1204 (1)
- MUSIC1025 (1), MUSIC1026 (1), MUSIC1027 (1), MUSIC1028 (1)
- MUSIC1376 Private Instruction Voice (1), MUSIC1380 (1), MUSIC1401 (1)
- MUSIC1402, MUSIC1405, MUSIC1406, MUSIC1407, MUSIC1408

- DANH1322 Dance History and Appreciation (3)
- DAN2020 Basic Tap (3)
- DAN2021 Ballet 1 (3)
- DAN2022/DAN2023/DAN2024 Ballet II -IV (3)
- DAN2506 Movement for the Actor (3)
- DAN2507 Choreography (3)
- DAN2509 Chamber Dance Group (1)
- DAN2510 Chamber Dance Group II (1)
- DAN2601 Modern Dance (3)
- DAN2700 Hip Hop (3)
- DAN3020 Advanced Tap (3)
- DAN3316 Stage Combat (1)
- DAN3500 Dance Study at NJSB (3)

Cognate Requirements (12 Credits)

- SPCH2004 Speech & Diction (3)
- MUSIC2221 Fundamentals of MUSIC Theory (3)
- DAN2020 Basic Tap (3)
- DAN2021 Ballet 1 (3) **AND**
- SOAC3001 Career Path to the Arts (3)
- SOAC4006 Professional Practice: Theater (3)

Theater Studies Concentration

Major Requirements (45 credits plus 6 cognate credits)

Major Required Course (29 credits)

(2.0 GPA Required)

- THEAH1201 Development of Theater I-Greeks thru Shakespeare (3) **OR**
- THEAH1202 Development of Theater II- Restoration thru Today (3) **AND**
- THEAH2255 Playwriting & Dramatic Structure (3)
- THEAH3337 Night at the Theater (3)
- THEA1110 Introduction to Acting

- THEA2005 Directing I (3)
- THEA2209 Stagecraft I (3)
- THEA2310 Stage Management (3)
- THEA3351 Performance and Production
- DAN2506 Movement for the Actor
- DAN3316 Stage Combat (1)

Major Elective Courses (16 Credits)

Select courses from those listed below

- THEAH3344 History of the Musical (3)
- THEAH3339 London Theater Experience (3)
- THEA1005 Make-up for the Stage (1)
- THEA1015 Basic Vocal Technique (3)
- THEA1111 Introduction to Acting II (3)
- THEA2001 Advanced Make Up for the Stage (1)
- THEA2215 Set Design (3)
- THEA2216 Set Design II (3)
- THEA2311 Children's Theater (3)
- THEA2312 Children's Theater II (3)
- THEA2339 Musical Theater Workshop
- THEA2340 Advanced Musical Theater Workshop
- THEA2400 Production Management (3)
- THEA3110 Stagecraft II (3)
- THEA3112 Lighting for the Stage (3)
- THEA3313 Scene Painting (3)
- THEA3114 Design Studio (3)
- THEA3115 Stage and Studio Lighting
- THEA3325 Stagecraft III (3)
- THEA3361 Stage Production and Crew (1)
- THEA3362 Stage Production and Crew II (1)
- THEA3363 Stage Production and Crew III (1)
- THEA3364 Stage Production and Crew IV(1)
- THEA3365 Stage Production and Crew V (1)

- THEA3366 Stage Production and Crew VI (1)
- THEA3357 Audio Design Concepts (3)
- THEA3800 Fundamentals of Teaching Acting (1-3)
- MUSIC2221 Fundamentals of MUSIC Theory (3)
- MUSIH2212 Survey of Music: 1800-Today (3)
- MUSIC1020 Chorus I, MUSIC1022 (1), MUSIC1023 (1) , MUSIC1204 (1)
- MUSIC1025 (1), MUSIC1026 (1), MUSIC1027 (1), MUSIC1028 (1)
- MUSIC1376 Private Instruction Voice (1)
- MUSIC1380 Private Voice Instruction II (1)
- MUSIC1401 Private Voice Instruction III (1)
- DANH1322 Dance History and Appreciation (3)
- DAN1320 Beginning Dance I
- DAN2020 Basic Tap (3)
- DAN2021 Ballet 1 (3)
- DAN2022/DAN2023/DAN2024 Ballet II -IV (3)
- DAN2506 Movement for the Actor (3)
- DAN2507 Choreography (3)
- DAN2509 Chamber Dance Group (1)
- DAN2510 Chamber Dance Group II (1)
- DAN2600 Theater Dance (3)
- DAN2601 Modern Dance (3)
- DAN2700 Hip Hop (3)
- DAN3020 Advanced Tap (3)
- DAN3021 Stage Combat II (1)
- DAN3500 Dance Study at NJSB (3)

Cognate Requirements (6 Credits)

- SOAC3001 Career Path to the Arts (3)
- SOAC4006 Professional Practice: Theater (3)

MINORS

2D Animation Minor

2D animation is the art of creating movement using individual graphics that are sequenced together over time. 2D animators tell stories and communicate ideas by making characters, objects, and backgrounds move in two-dimensional space in a way that engages the audience. This style of animation is commonly seen in TV shows, video games, films, commercials, apps, and websites. Our 2D Animation minor focuses on the digital aspects of 2D animation, including frame-by-frame motion, tweening, and motion graphics.

Required Courses (9 credits)

CGD1313 Creative Imagery with Photoshop
ANIM1500 Storyboarding
ANIM1501 Fundamentals of Animation Principles

Elective Courses (6 credits)

Select two of the following courses:

ANIM1400 Character Design
ANIM1750 Motion Graphics with After Effects
ANIM1800 Vector Animation with Animate CC
ANIM2100 Tradigital Animation
ANIM2243 Advanced After Effects
ANIM3225 Vector Animation II

Contact Information

Derek G. Larson

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[Back to Top](#)

3D Animation Minor

3D animation is the process of creating the illusion of motion in 3D space through the use of a variety of techniques. Though this digital imagery is presented on 2-dimensional screens, these animations are created to imitate 3D worlds. Thus, the 15-credit minor in 3D Animation prepares students to understand various types of digital 3D computer animation and their uses in virtual worlds. The flexibility of this minor allows students to target their area of interest whether it is 3D modeling, commercial animation, or 3D character animation.

Required Courses (9 credits)

- [CGD1313](#)   Creative Imagery with Photoshop
- [ANIM1850](#) 3D Modeling
- [ANIM2500](#) 3D Computer Animation

Elective Courses (6 credits)

Select two of the following courses:

- [ANIM2270](#) ZBrush Digital Sculpting
- [ANIM3250](#) 3D Particle Animation and Effects

- [ANIM3331](#) Logo and Product Animation
- [ANIM3341](#) Character Animation using CAT
- [ANIM3343](#) Advanced Character Animation

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[Back to Top](#)

3D Video Game Animation Minor

With the Advancement of 3D accelerated graphics, video games now go far beyond the sprite-based 2D graphics to display visuals that are more realistic and lifelike. In the 15-credit 3D Video Game Animation minor, students learn how to create optimized 3D graphics and animations that will respond well for the player, and then apply interactivity to those pieces using industry-standard game creation platforms. Both first-person (rendered from the perspective of the player's character) and third-person (shown from a distance away from the player's character) games are explored.

Required Courses (9 credits)

- [CGD1313](#) Creative Imagery with Photoshop
- [ANIM2240](#) Low Poly 3D Modeling
- [ANIM2500](#) 3D Computer Animation

Elective Courses (6 credits)

Select two of the following courses:

- [ANIM3350](#) Game Creation using Unreal
- [ANIM1650](#) Game Design
- [ANIM3450](#) Game Creation using Unity

Contact Information

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Accounting Minor

Accounting is the language of business. Whether students are interested in starting their own small businesses or working for a Fortune 500 company, knowledge of the basics of accounting and financial reporting will provide a deeper understanding of the tools used in running a business.

The **accounting minor is offered only for business majors** by the Silberman College of Business at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two

qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Requirements

- [ACCT3241](#) Intermediate Financial Accounting I
- [ACCT3242](#) Intermediate Financial Accounting II
- [ACCT3243](#) Cost Accounting: Measurement and Control
- [ACCT3390](#) Accounting Information Systems

Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

For more information

Silberman Advising Offices

Other minors to consider:

- Data Science (Florham only)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Finance (business students only)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Marketing (business students only)
- Sales
- Sustainability (Florham only)
- Business Administration (for non-business students)
- Environment of Business (for non-business students)

[Back to Top](#)

Acting Minor

The Acting Minor offers a foundation in the diverse aspects of contemporary theater. The minor focuses on a collaborative approach to theatrical production, allowing students to study both the practical and academic aspects of the discipline. Minors are also encouraged to audition for or to crew departmental productions in either of FDU's two theaters: Dreyfuss Theater and the Barn Theater. Between these spaces, the School of the Arts mounts a full season of musicals, classics, and contemporary productions each year, providing opportunities for hands-on application of classroom learning.

The acting minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Required Courses (9 credits):

- THEA1110 Introduction to Acting (3)
- THEAH1201 Development of the Theater I (3)

OR

- THEAH1202 Development of the Theater II (3)
- THEA2209 Stagecraft I (3)

6 Credits from the following:

- THEA2220 Introduction to Acting II (3)
- SPCH3368/THEA3368 FDU at the RSC: Shakespeare in Practice, Acting* (3)
- THEA2005 Directing I (3)
- THEA3336 Acting for TV and Film (with prerequisite) (3)

- [THEA3358](#) Acting Shakespeare (3)
- [THEAH2255](#) Playwriting and Dramatic Structure
- [THEA3361](#) Stage Production and Crew 1 (1)
- [THEA3362](#) Stage Production and Crew 2 (1)
- [THEA3363](#) Stage Production and Crew 3 (1)
- [DAN3316](#) Stage Combat (1)
- [THEA1005](#) Makeup for the Stage (1)
- [THEAH1201](#) Development of the Theater I (3)
- [THEAH1202](#) Development of the Theater II
- [DAN2506](#) Movement for the Actor

*FDU at the RSC courses are provided through a partnership with the Royal Shakespeare Company and *Stepping Stone Performing Arts* on FDU's Wroxton campus in England*. See fdu.edu/rsc for further details.

For Information

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[Back to Top](#)

Advertising Minor

Florham Campus

The 15-credit advertising minor is designed for students interested in studying the theoretical, practical, and creative elements that go into the creation of compelling and successful advertisements and advertising campaigns. The philosophy behind the minor builds on the recognition that the professional domain of advertising draws from many varied disciplines.

First, students must develop a foundational understanding of the concepts and theories included in the areas of advertising and marketing.

Then they must develop and polish their theoretical understanding and professional skills in the areas of computer graphics, desktop publishing, and basic video making—they need to understand all the theoretical and creative elements that go into the creation of both print ads and commercials.

Finally, students should be given the opportunity to develop their skills with courses that will enhance their knowledge regarding account management, campaign planning, implementation, and evaluation.

In order to fulfill the advertising minor, students must select no more than 9 credits in their major discipline. This policy is meant to ensure that students are taking full advantage of the interdisciplinary nature of the minor.

Required (9 credits)

- CGD1313 Creative Imagery with Photoshop
- CGD1314 Illustrator Graphics & Design
- COMM2221 Advertising Principles

Elective Courses (6 Credits) from the following

- COMM2210 Pop Culture and the Media
- COMM3005 Social Media, Communication & Community
- COMM3248 Writing for Broadcast and Podcast
- CGD2370 Desktop Publishing
- CGD3363 Advanced Desktop Publishing
- FILM1005 Filmmaking I: Basic Production
- MKTG2120 Principles of Marketing
- MKTG4272 Consumer Behavior
- MKTG4365 Marketing Communications

Metro Campus

(For Non-Communication Majors)

Take the following courses for the 15-credit minor:

Required courses (15 credits)

- [COMM2321](#) Advertising Principles
- [COMM3444](#) Public Relations
- [MKTG2120](#) Principles of Marketing
- [COMM3345](#) Advertising Copywriting **(or)**
- [COMM3362](#) Advertising Campaigns
- [COMM4001](#) Communication Internship I **(or)**
- [COMM3010](#) Advertising and Social Media **(or)**
- [COMM3348](#) Broadcast Advertising

[Back to Top](#)

African-American Studies Minor

The minor in African-American studies exposes students to a program of study concerning African-American culture, life, and history in the United States. By exposing students to an interdisciplinary study of African Americans (encompassing history, sociology, literature, cinema, and anthropology), the minor is intended to educate students on how African-Americans helped shape American history and culture and continue to transform it today. The minor also emphasizes the relevance of Africa in understanding the attitudes, circumstances, and experiences of African-Americans. The core course, [AFAM1100](#) Introduction to African-American Studies, will ground students in the fundamentals of interdisciplinary study. In the electives, the students will learn

that the African-American experience is not only an integral part of the United States experience but also integral to understanding the world at large.

Required Course (3 credits)

- AFAM1100 Introduction to African-American Studies

Select Elective Courses (12 credits)

Choose four 3-credit courses below to include at least one course from history and another from literature to fulfill the minor requirement. Note: One of the following courses must be at the 3000-level or above.

Cinema

- CINE2010 Films of Spike Lee
- CINE2524 African American Cinema

Criminology and Criminal Justice

- CMLGY1201 Intro Sociology
- CMLGY3307 Civil Liberties and Civil Rights
- CRIM1112 Race/Gender/Crime Justice System
- CRIM2203 Crime and Inequality

History

- HIST2346 Birth of Modern America: 1877-1929 (deals with post-emancipation and rise of Jim Crow)
- HIST2348 American in Age of Reform: 1929-1968 (deals with Civil Rights and end of Jim Crow)
- HIST2352 Civil War and Reconstruction
- HIST3102 Race in America

Literature

- LITS3013 African American Literature
- LITS3202 American Writers: Race in Black and White

- LITS3203 Contemporary Black Literature

Sociology

- SOCI3312 Ethnic and Race Relations
- SOCI3610 Multicultural Perspectives

Related Elective Courses (3 credits)

Students can take a 3-credit Related Elective Course option to replace one Select Elective Course to acquire 15 credits.

Choose any one of the 3-credit courses below:

- ANTH2335 Peoples & Culture
- COMM2866 Women and Minorities in Media
- HIST2202 Intro to African History
- HIST2203 Modern African History
- HIST4205 Seminar: Race and Empire
- HUMN2443 African American Literature
- HUMN3307/PHIL3307 Slavery and Global Ethics
- LITS3071 Contemporary African Lit & Culture
- LITS3323 Colonial & Postcolonial Lit
- LITS3324 Caribbean Literature
- LITS3330 The Age of Discovery in World Perspective
- LITS3331 Multicultural Voices in America
- PHIL2321 African Philosophy

Note: With the approval of the African American Studies Minor's professor, a student minoring in African American Studies can take a three-credit course not mentioned in the Related Elective Course list if the course has a significant African American component.

Back to Top

American Studies Minor

This 15-credit interdisciplinary minor embraces American history, philosophy, literature, sociology, communication, and political science. This concentration is ideally suited for students seeking a deeper understanding of American culture and society, as well as an appreciation for the role, place, and perception of the United States in the world.

Choose any five courses from the following list that count toward the American Studies minor:

- COMM3409/ENGL3409 Glory and Shame: America on Film
- ECON2206/HIST2206 Economic History of the United States
- ENGL3049 Major American Writers I
- ENGL3050 Major American Writers II
- ENGL3131 20th Century American Worker in Literature
- ENGL3369 American Literature I
- ENGL3370 American Literature II
- ENGL3383 Ethnic Literature in the United States
- ENGL3388 Regionalism in American Literature
- ENVR1205 The Great Pacific Northwest: Environmental Issues and Cultural Perspectives
- ENVR1215 The Great Pacific Northwest: Environmental Issues and Cultural Perspectives Laboratory
- HIST1114 United States History I
- HIST1115 United States History II
- HIST2102 Sports in America
- HIST2103 New Jersey History
- HIST2104 United States Social and Cultural History
- HIST2107 U.S. Economic History
- HIST2189 Special Topics in U.S. History

- [HIST3101](#) American Immigration
- [HIST3102](#) Race in America
- [HIST3103](#) Gender in America
- [HIST3104](#) U.S. Diplomatic History
- [HIST3105](#) U.S. Environmental History
- [HIST3106](#) Culture and Technology in U.S. History
- [HIST3107](#) U.S. Constitutional History
- [HIST3120](#) Colonial and Revolutionary America
- [HIST3121](#) Age of Jefferson and Jackson
- [HIST3123](#) The U.S. Civil War and Reconstruction
- [HIST3129](#) 20th-Century American History I
- [HIST3130](#) 20th-Century American History II
- [HIST3134](#) America in the 1950s
- [HIST3137](#) Vietnam Conflict
- [HIST3189](#) Selected Studies in U.S. History
- [HIST3311](#)/ [POLS3311](#) The American Presidency
- [HUMN2443](#)/[PHIL2443](#) African-American Political Thought
- [HUMN2445](#)/[PHIL2445](#) Democracy in America
- [HUMN2455](#) American Jazz and the Movement for Civil Rights
- [HUMN2545](#)/[PHIL2545](#) The American Mind

[Back to Top](#)

Arabic Language & Culture Minor

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The Arabic Language & Culture minor is a 15-credit minor offered at the Metropolitan Campus.

Required Courses (15 credits):

- [ARAB1101](#) Elementary Arabic I
- [ARAB1102](#) Elementary Arabic II
- [ARAB2103](#) Intermediate Arabic I
- [ARAB2104](#) Intermediate Arabic II
- [LANG3335](#) Contemporary Arabic Thought & Culture

[Back to Top](#)

Art History Minor

The minor in art history is designed for students interested in studying the history of visual art as an academic discipline. Courses for the minor have been selected to prepare students in the fundamentals of this discipline and to cover a range of historical periods — spanning prehistoric to contemporary — as well as a variety of media. One studio art class is included to enhance the student's appreciation of the creative process and to strengthen their ability to write accurately about art.

The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Required Courses (9 credits)

- [ARTH1205](#) Art History: Prehistoric Through Medieval
- [ARTH1206](#) Art History: Renaissance Through Today
- [ARTH2218](#) 20th-century Art

Elective Courses (6 credits)

Students choose one three-credit elective from each of the categories below.

Art History Elective (3 credits)

- [ARTH2265](#) History of Photography or
- [ARTH3423](#) Women Artists or
- [ARTH1803](#) Modern Art in the New York Museum or
- [ARTH1402](#) Museums of New York

Studio Art Elective (3 credits)

- [ART1201](#) Drawing I or
- [ART1225](#) Painting I or
- [ART1231](#) 2-Dimensional Design I
- [ART1235](#) Sculpture I or
- [ART1315](#) Ceramics I or
- [ART2233](#) 3-Dimensional Design

For Information

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[Back to Top](#)

Art Minor

Required Courses

Take 15 credits of ART courses (or others as approved) and arrange with guidance or a fine arts adviser.

No specific courses are required.

For Information

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Biology Minor

The Biology minor is for students NOT majoring in Biology, Marine Biology, or Science. The minor in Biology consists of five courses and a laboratory that will give students a broad foundation in the subject. Students interested in environmental areas should select the Ecology/ Genetics cluster while those interested in health-related areas should select the Anatomy and Physiology cluster.

Biology Minor (20 credits total)

Required Courses (12 credits)

- BIOL1221, BIOL1222, BIOL1223 Biological Diversity lecture, lab, recitation (4 credits)
- BIOL1233, BIOL1234, BIOL1235 Molecules, Cells and Genes lecture, lab recitation (4 credits)
- BIOL3050, BIOL3051 Molecular Cell Biology, lecture, lab (4 credits)

Elective Courses (Metro)

Take 1 cluster for (8 credits)

1) Take the Ecology and Genetics cluster

- BIOL2250, BIOL2251 Ecology and Field Biology, lecture, lab (4 credits) or MBIO2209, MBIO2219 Introduction to Marine Biology, lecture, lab (4 credits) and
- BIOL3100, BIOL3101 Genetics, lecture, lab (4 credits)

OR

2) Take the Anatomy and Physiology cluster (8 credits)

- BIOL2203, BIOL2223 Human Anatomy and Physiology I, lecture, lab (4 credits) and
- BIOL2204, BIOL2224 Human Anatomy and Physiology II, lecture, lab (4 credits)

Elective Courses (Florham)

Take 1 cluster for (8 credits)

1) Take the Ecology & Genetics cluster

- BIOL2250, BIOL2251 Ecology, and Field Biology, lecture, lab (4 credits)
- BIOL3100, BIOL3101 Genetics, lecture, lab (4 credits)

OR

2) Take the Anatomy & Physiology cluster (8 credits)

- [BIOL1205](#), [BIOL1207](#) Anatomy and Physiology I w/lab (4 credits)
- [BIOL1206](#), [BIOL1208](#) Anatomy and Physiology II w/lab (4 credits)

[Back to Top](#)

British Studies Minor

The British Studies Minor is designed to offer FDU students from Becton College, Silberman College of Business, and the independent professional schools who attend Wroxton College for a full fall or spring semester the opportunity to earn a minor that recognizes that immersive academic experience at Wroxton College.

The British Studies Minor also recognizes that students may accrue 15 credits of British-centered courses during short-term winter or summer programs at Wroxton College coupled with courses taken at Becton College in New Jersey. These approved courses are noted below. One can also use an authorized substitute course from another winter or summer course at Wroxton and from another fall or spring course at Becton.

Wroxton Fall/Spring Semester Courses

Choose any 15 credits taken during the fall or spring semester at Wroxton College to fulfill the 15-credit minor.

Wroxton Winter/Summer Session Courses

Choose from the following courses. The Communications course is offered every summer at Wroxton, while the Criminology course is offered every other summer at

Wroxton. The three History courses are part of a summer program offered together every even year with a week of class sessions at Becton Florham followed by two weeks at Wroxton that include site tours in England and France (among other neighboring countries).

- [COMM4070](#) International Communications & Culture
- [CRIM3312](#) Comparative Criminal Justice Systems
- [HIST2424](#) The Western Front in World War I
- [HIST2425](#) The Western Front in World War II
- [HIST2426](#) Topics in World War I & II

Becton British-Centered Courses

Choose from the following courses beyond the relevant courses taken at Wroxton.

- [LITS2101](#) British & European Literature I
- [LITS2102](#) British & European Literature II
- [LITS2031](#) The English Language
- [LITS3020](#) Eighteenth-Century British Literature
- [LITS3021](#) Victorian Age
- [LITS3054](#) Romanticism
- [LITS3073](#) Irish Literature
- [LITS3201](#) British Writers
- [LITS3212](#) Chaucer
- [LITS3213](#) Shakespeare I
- [LITS3214](#) Shakespeare II
- [LITS3230](#) Jane Austin: Fiction and Film
- [HIST3350](#) The U.S. as a Continental Power: 1607-1898

For Information
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Broadcasting Minor

The 15-credit Broadcasting minor is designed for students interested in studying the theoretical, practical and creative elements within the Radio and Television industries. The philosophy behind the minor builds on the recognition that the professional domain of broadcasting draws from many, varied disciplines. First, students must develop a foundational understanding of the concepts and theories included in the areas of Radio and Television. Then students can choose to further develop their skills in one or more of the areas through their selection of elective courses. Students are encouraged to take at least one approved broadcasting Internship in the field of their choice, as prospective employers look for practical field experience from students.

Note: In order to fulfill the Broadcasting minor, students must select no more than 9 credits in their major discipline. This policy is meant to ensure that students are taking full advantage of the interdisciplinary nature of the minor.

The broadcasting minor is offered by the Department of Communication and School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Required Courses (9 credits):

- [COMM2012](#) Introduction to Television and Digital Journalism
- [COMM2214](#) Introduction to Radio and Digital Journalism
- [FILM1005](#) Filmmaking I: Basic Production

Elective Courses (6 credits):

- [COMM3060](#) Television News and Digital Journalism
- [COMM3248](#) Writing for Broadcast and Podcast

- [COMM3341](#) Radio Management and Digital Journalism
- [FILM1501](#) Cinematic Storytelling
- [FILM2208](#) Filmmaking II: The Professional Crew
- [FILM2210](#) Postproduction I
- [FILM4461](#) Documentary Filmmaking
- [CREW1002](#) Introduction to Fiction Writing
- [CREW2250](#) Screenwriting I
- [THEA2005](#) Directing I
- [VDEO2203](#) TV Writing and Screenwriting
- [THEA3336](#) Acting for Film and TV

[Back to Top](#)

Business Administration Minor

The Silberman College of Business offers a business administration minor only for non-business majors at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey. This 18-credit minor is intended to provide a basic foundation in business for non-business students. For students interested in completing the 4 plus 1 MBA program, please take a look at the Environment of Business minor.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor.

Any student interested in pursuing a minor at Silberman College should contact an advisor in the Silberman Academic Advising Office.

Requirements

- [ACCT2021](#) Introductory Financial Accounting
- [ECON2001](#) Introduction to Microeconomics
- [FIN3250](#) Principles of Financial Analysis
- [LAW2276](#) Business and the Law
- [MGMT2600](#) Organizational Behavior
- [MKTG2120](#) Principles of Marketing

Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

For more information

Contact an advisor in the Silberman Academic Advising Office.

Other minors to consider:

- Data Science (Florham only)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Sales
- Sustainability (Florham only)

[Back to Top](#)

Chemistry Minor

Department of Chemistry, Biochemistry and Physics

The chemistry minor consists of 19-20 credits distributed as follows:

Required (16 credits):

- CHEM1201 General Chemistry I
- CHEM1202 General Chemistry II
- CHEM1203 General Chemistry Laboratory I
- CHEM1204 General Chemistry Laboratory II
- CHEM1211 General Chemistry I Recitation
- CHEM1212 General Chemistry II Recitation
- CHEM2261 Organic Chemistry I
- CHEM2262 Organic Chemistry II
- CHEM2263 Organic Chemistry Laboratory I
- CHEM2264 Organic Chemistry Laboratory II

Elective (3-4 credits):

Take one course (3-4 credits) in chemistry to be selected from the 2000 or 3000 level offerings.

Back to Top

Children's Studies Minor

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The children's studies minor provides students with a multidisciplinary understanding of childhood in human society. Using the disciplinary perspectives of literature, psychology, sociology, and anthropology, the minor grounds students in an understanding of childhood as preparation for employment in child services and

advocacy, or advanced study in the fields of education, literature, psychology, sociology, and anthropology.

The minor is offered jointly by the department of literature, language, writing, and philosophy; the department of communication studies; and the department of social sciences and history. Students select five 3-credit courses from the list below, making selections from at least three different disciplines.

Anthropology

- ANTH3102 Anthropology of Children and Childhood

Communication

- COMM3014 Family Communication

Criminology

- CMLGY3310 Juvenile Delinquency (Note: students may complete CMLGY3310 **or** SOCI3310 for the minor, but not both)

Literature

- LITS2400 Children's Literature (formerly LITS3311 Children's Literature)
- LITS2401 Young Adult Literature (formerly LITS3312 Young Adult Literature)
- LITS3303 World Folk Literature

Psychology

- PSYC2204 Child Development (formerly PSYC3001 Human Development Child)
- PSYC3305 Adolescent Growth and Development (formerly PSYC3302 Human Development Adolescent)

Sociology

- SOCI2316 Sociology of the Family
- SOCI2317 Children and Society
- SOCI2318 Law and the Family
- SOCI3310 Juvenile Delinquency

- [SOCI3344](#) Schools and Society

Cinema Studies Minor

The 15-credit cinema studies minor (previously called the film studies minor) is designed for students interested in studying movie as texts and as popular culture. Traditionally, students of this discipline study the history, production processes, and aesthetics of film as well as the theories that analyze the ways in which film, culture, and audience interact to negotiate and construct meaning.

The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

The two required courses provide the foundations for these four areas of investigation (history, production, aesthetics, and theory). The electives offer an opportunity for a wider breadth of experience or a more tightly focused study.

Requirements

Required Foundation Courses (6 credits)

- [CINE1501](#) Cinematic Storytelling
- [CINE3350](#) Twentieth-century Cinema

Non-American Film Course (3 credits)

Select one from the following:

- CINE2015 Italian Cinema
- CINE2207 East Asian Cinema
- CINE3215 Introduction to World Cinema
- CINE2005 French Cinema (cross listed as FREN2005)
- CINE3015 Japanese Culture Through Film (cross listed as JAPN3015)
- CINE2515 Spanish Film

Auteur Course (3 credits)

Three credits of study on a director, such as:

- CINE2010 Films of Spike Lee
- CINE2350 The American Film Director
- CINE2404 Films of Alfred Hitchcock
- CINE2406 Films of Clint Eastwood
- CINE2408 Films of Woody Allen
- CINE3345 Films of Steven Spielberg

Cinema Studies (3 credits)

Three credits of cinema survey, such as:

- CINE2205 Blondes and Bombshells
- CINE2405 American Film Comedy
- CINE3335 The American Film
- CINE3010 Film Noir: The Dark Side of Cinema

*New courses focusing on international and U.S. cinema are added frequently and can be substituted when appropriate in all the areas above.

Classical Literature and Performance Minor

The 15-credit classical literature and performance minor provides grounding in theatrical history, classical literature, theory and performance practices. This minor is based in one semester of study at FDU's UK campus in Wroxton, England and includes courses in partnership with the Royal Shakespeare Company. Upon return, students will complete the minor with 3 credits of study on either the Metro or Florham campus. The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey and Wroxton College, UK.

Required Courses (12 credits)

- INTER3430 The Anatomy of Contemporary Britain
- SPCH3368/THEA3368 FDU at the RSC: Shakespeare in Practice, Acting* (3) OR THEA3378 FDU at the RSC: Shakespeare in Practice, Design & Management
- ENG3388/LITS3388 FDU at the RSC: Shakespeare's Blueprint (3)
- ENG3456/LITS3456 20th &21st Century Drama OR MUSIC3398 FDU at the RSC: Musical Theater Cabaret

Electives (3 credits)

Select 3 credits from the following:

- THEA1110 Introduction to Acting (3)
- THEA3358 Acting Shakespeare with prerequisite (3)
- THEAH1201 Development of the Theater I: Ancient to Elizabethan
- THEAH1103 Introduction to Theater

For Information

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[Back to Top](#)

Clinical Social Work Minor

Three Required Foundation Course – (9 credits):

- [PSYC1125](#) Introductory to Social Service Advocacy (Crosslisted with [CRIM1125](#))
- [PSYC3381](#) Field Placement
- [PSYC4391](#) Techniques of Psychotherapy

Two criminal justice courses – (6 credits) from the following:

- [CRIM1130](#) Working with Children & Family
- [CRIM2204](#) Juvenile Justice and Delinquency
- [CRIM2208](#) Victimology
- [CRIM2246](#) School to Prison Pipeline
- [CRIM3307](#) Domestic Violence
- [CRIM3320](#) Interviewing & Counseling
- [CRIM3322](#) Negotiation and Conflict Management
- [CRIM3324](#) Community Resource Mgt.
- [CRIM3326](#) Rehabilitative Strategies

Students who are majoring in Psychology are not permitted to enroll in this minor, Psychology majors may elect to complete the clinical social work track within their major and must complete a minor in another area.

[Back to Top](#)

Communication Studies Minor

(For Non-Communication Majors)

Take the following courses for the 15-credit minor:

Required Course (3 credits)

Take [COMM2204](#) Introduction to Human Communication

Elective Courses (12 credits)

Take any 12 credits of courses with a COMM prefix.

[Back to Top](#)

Computer Forensics Minor

(for all majors)

Computer forensics involves the identification, preservation, extraction, interpretation and the documentation of digital evidence in criminal and civil investigations. It is an interdisciplinary minor developed and administered jointly by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering and the Department of Criminology and Criminal Justice. The minor, consisting of 15 credits, is designed to provide students with a blend of theory and practice in six interdisciplinary-specific courses – three from each school. This minor will provide students with a strong foundation in the knowledge, understanding and competencies sought by prospective employers in the area of computer forensics.

CRIM2218 Comp Tech Cyber Crime (J. Burke) (Fall/Spring)
INFO1101 Comp Concepts Technology (Fall)
CRIM3327 File System Forensic Inv (J Morgan) (Fall)
INFO4101 Data Communication and Computer Networks (Fall)

Select one below

CRIM4010 Computer Forensic Software/Hardware (J. Morgan) (Spring)
INFO4410 Foundations of Cyber Security (Spring)

Back to Top

Computer Graphics Art

The School of the Arts, Maxwell Becton College of Arts and Sciences, offers a 15-credit computer graphics art minor for non-art and non-fine arts majors at the Metropolitan Campus, Teaneck, New Jersey.

Students who desire a computer graphics art minor, and who are not majoring in fine arts, may enroll in this program. A selection of courses totaling at least 15 credits, arranged with the guidance of a fine arts adviser, is required.

Requirements

- [CGD1177](#) Introduction to Digital Media
- [CGD1178](#) Multimedia on the Internet
- [CGD3179](#) Digital Illustration and Design
- [CGD1843](#) Design for the Web
- [CGD2274](#) 3D Visualization or [CGD2294](#) 3D Multimedia

For Information

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[Back to Top](#)

Computer Science Minor (BSEE majors)

For BSEE-MSEE majors, students will need to consult with their academic advisor. Student may be allowed to take the graduate-level version of a computer science class.

This minor in Computer Science consists of 15 credits and is available to qualified students. This minor provides students with a basic foundation in computer science that complements their majors and enhances their employment opportunities and career options. The problem solving and critical-thinking skills acquired through this minor are

essential skills needed to be successful in life and in the workplace. The courses for a minor in computer science:

Required Courses (9 Credits)

- [ENGR1204](#) Programming Languages [BSEE degree requirements]
- [CSCI2232](#) Data Structures or [CSCI3278](#) Operating Systems [BSEE Technical Elective]
- [CSCI3268](#) Database Systems [BSEE Technical Elective]

Two courses must be chosen from the following:

- [ENGR3200](#) Advanced Engineering Programming [BSEE degree requirements]
- [CSCI2232](#) Data Structures [BSEE Technical Elective]
- [EENG2287](#) Microprocessor System Design I [BSEE degree requirements]
- [CSCI3240](#) Computer Networks
- [CSCI3249](#) Computer Organization
- [CSCI3278](#) Operating Systems
- [ENGR2286](#) Digital System Design [BSEE degree requirements]
- [MATH2255](#) Discrete Structures

BSEE students should check with their academic advisor regarding technical electives for the BSEE degree program. Out of the three required technical electives, students will be required to take at least two EENG technical electives.

To take any course in the minor, a student must meet all the prerequisites for that course.

Computer Science Minor (Florham)

Required Courses (12 credits)

CSCI1205 Introduction to Computer Programming
CSCI2205 Introduction to Computer Science
CSCI2216 Introduction to Computer Science II
CSCI2255 Discrete Structures

Elective Course (3 credits)

One (1) additional courses in computer science to be selected from the 2000 or higher-level offerings with a CSCI prefix.

Back to Top

Computer Science Minor (Metro)

(for non-computer science majors)

The minor in Computer Science consists of 15 credits and is available to qualified students. This minor provides students with a foundation in computer science that complements their majors and enhances their employment opportunities and career options. The problem-solving and critical-thinking skills acquired through this minor are essential skills needed to be successful in life and in the workplace. The courses for Computer Science minor:

Required Courses (9 Credits)

- [CSCI1201](#) Computer Programming I
- [CSCI2215](#) Introduction to Computer Science
- [CSCI3268](#) Database Systems

Elective Courses (6 Credits)

With the approval of the Director of GHSCSE or their designee, students may take other higher-level CSCI courses as electives. Students intending to pursue an MS in Computer Science or an MS in Management Information Systems must see an advisor for the proper selection of electives.

Two courses must be chosen from the following:

- [CSCI1202](#) Computer Programming II
- [CSCI2234](#) Data Structures and Algorithms
- [CSCI2247](#) Assembly Language Programming
- [CSCI3240](#) Computer Networks
- [CSCI3249](#) Computer Organization
- [CSCI3278](#) Operating Systems
- [ENGR2286](#) Digital System Design
- [MATH2255](#) Discrete Structures

To take any course in the minor, a student must meet all the prerequisites for that course.

[Back to Top](#)

Creative Writing Minor

The creative writing minor is a flexible add-on to your major that enhances your communication skills while exploring your passion for books, words, and storytelling. It is a perfect complement to majors, such as Marketing, Politics & Law, Film, Graphic Design, Theater, and many more. Creative writing gives you professional and critical-thinking skills while feeding your curiosity and imagination.

The 15-credit creative writing minor is for students *not* majoring in creative writing. It is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at both the Florham and Metro campuses.

Requirements at Florham

Required Course (3 credits)

- CREW1001 Introduction to Creative Writing

Elective Courses (12 credits)

Three courses from the following:

- CREW2002 Creative Writing: Fiction
- CREW2003 Creative Writing: Poetry OR CREW3080 Music and Poetry OR CREW3080 Ways of Seeing
- CREW2016 Creative Writing: Nonfiction OR CREW3018 Advanced Nonfiction
- CREW2255 Playwriting and Dramatic Structure
- CREW2250 Screenwriting

One course from the following:

- CREW3010 Invented Worlds
- CREW3020 Reading as Writers
- CREW2020 Literature in Love & War
- CREW2400 Current American Literature
- CREW2401 Current World Literature
- OR Any LITS course (Literature)

Requirements at Metro

Required Course (3 credits)

- [CREW1001](#) Introduction to Creative Writing

Elective Courses (12 credits)

Three courses from the following:

- [CREW2002](#) Creative Writing: Fiction
- [CREW2003](#) Creative Writing: Poetry
- [CREW2016](#) Creative Writing: Nonfiction
- [CREW2250](#) Screenwriting

One course from the following:

- Any LITS (Literature)
- [CREW2400](#) Current American Literature
- [CREW2401](#) Current World Literature

[Back to Top](#)

Criminal Justice Minor

(for non crim just majors)

Student have to take the two required courses which are [CRIM1101](#) and [CRIM1102](#).

Required Courses

- [CRIM1101](#) Introduction to Criminal Justice
- [CRIM1102](#) Criminology and Social Theory

Elective Courses

Students may select from any 3 Criminal Justice courses.

[Back to Top](#)

Criminology Minor

Department of Social Sciences and History

The minor in criminology enables students to examine the following as they relate to race, class, gender, and sexuality:

- Nature and causes of crime,
- Deviant and criminal behavior, and
- Aspects of the criminal justice system (e.g. police, courts, prison, etc.)

Required (3 credits)

[CMLGY1306](#) Introduction to Crime and Criminology

Electives (12 credits)

Select from the following:

- [CMLGY1201](#)   Introduction to Sociology
- [CMLGY2203](#)   Research Methods in Criminology

- [CMLGY2204](#)   Qualitative Research Methods
- [CMLGY2211](#)   Economics of Crime
- [CMLGY2300](#)   Wrongful Convictions
- [CMLGY2307](#)   Social Deviance
- [CMLGY2309](#)   Major Works in Crime & Criminology
- [CMLGY2310](#)   Social Problems
- [CMLGY2317](#)   Probation & Parole
- [CMLGY2333](#)   Criminal Law
- [CMLGY2360](#)   Victimology
- [CMLGY2431](#)   Anthropology of Crime
- [CMLGY2701](#)   Penology
- [CMLGY2990](#)   Crime in the City
- [CMLGY3005](#)   Abnormal Psychology
- [CMLGY3012](#)   Crisis Intervention
- [CMLGY3030](#)   Surveillance and Security
- [CMLGY3040](#)   Capture & Control
- [CMLGY3207](#)   Offender Reentry & Reintegration
- [CMLGY3301](#)   Women and Crime
- [CMLGY3307](#)   Civil Liberties & Civil Rights
- [CMLGY3308](#)   Law & Society
- [CMLGY3309](#)   Policy Analysis
- [CMLGY3310](#)   Juvenile Delinquency
- [CMLGY3316](#)   Global Terrorism
- [CMLGY3348](#)   Torture, Interrogation & the State
- [CMLGY3349](#)   War & Crime
- [CMLGY3360](#)   Forensic Psychology
- [CMLGY3404](#)   International Criminal Law
- [CMLGY3997](#)   Internship in Criminology

Dance Studies Minor

The Dance Studies Minor provides an overview of dance as an art form through technique, dance history, dance appreciation and choreographic practice. The minor develops a dancer's technical skills, exposes students to the diverse history of the art form, and provides the study of choreographic principles and practice.

The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Required Courses (6 credits)

- DANH1322 Dance History and Appreciation
- DAN2507 Choreography

OR

- DAN2506 Movement for the Actor

Elective Courses (9 credits)

Select three of the following:

- DAN1320 Beginning Dance
- DAN2020 Basic Tap
- DAN2021 Ballet I
- DAN2022 Ballet II
- DAN2600 Theater Dance
- DAN3020 Advanced Tap
- DAN3500 Dance Study at NJ Ballet 1

- [DAN2700](#) Hip Hop
- [DAN2601](#) Modern Dance

For Information

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[Back to Top](#)

Data Science Minor (Business)

The department of mathematics and computer science of Maxwell Becton College of Arts and Sciences, and the department of finance, decision sciences, economics, and international business of the Silberman College of Business offer data science minors at the Florham Campus, Madison, New Jersey. This is the business data sciences minor. Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Required Courses (9 credits)

- [DSCI2029](#) Introduction to Statistics
- [DSCI3301](#) Statistical Methods
- [MATH3269](#) Introduction to Data Mining, or [MIS3308](#) Intro to Python for Business

Elective Courses (6 credits)

Two additional courses to be selected from the following list:

- [CSCI3268](#) Database Systems
- [CSCI3270](#) Introduction to Machine Learning
- [DSCI3319](#) Decision Analysis
- [DSCI4600](#) Capstone Project – Data Science
- [MIS3307](#) Data Visualization
- [MIS4304](#) Database Applications in Business

For more information

Silberman Academic Advising

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Finance (business students only)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Marketing (business students only)
- Sales
- Sustainability (Florham only)

[Back to Top](#)

Data Science Minor (Computer Science)

The department of mathematics and computer science of Maxwell Becton College of Arts and Sciences, and the department of marketing, information systems and decision sciences of the Silberman College of Business offer data science minors at the Florham Campus, Madison, New Jersey. This is the mathematics and computer science data sciences minor.

Required Courses (12 credits)

- [MATH3269](#) Introduction to Data Mining
- [MATH3300](#) Statistics I
- [MATH3301](#) Statistical Methods

Elective Courses (6 credits)

Two additional courses to be selected from the following list:

- [CSCI3268](#) Database Systems
- [CSCI3270](#) Introduction to Machine Learning
- [MATH3319](#) Decision Analysis
- [MATH4600](#) Capstone Project – Data Science

For Information

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[Back to Top](#)

Design and Technical Theater Minor

The 15-credit design and technical theater minor offers students interested in studying the design and technical aspects of theater a comprehensive exposure to relevant study with a focus on hands-on application. Minors are also encouraged to work on departmental productions in either of FDU's two theaters, where students have a chance to work alongside professional guest artists. The department offers a number of design, stage management, and crew positions which reinforce all that students learn in the classroom. The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Required Courses (9 credits)

- THEA2209 Stagecraft (3)
- THEA2310 Stage Management (3)
- THEA3361 Stage Production and Crew I (1)
- THEA3362 Stage Production and Crew 2 (1)
- THEA3363 Stage Production and Crew 3 (1)
  Select 6 credits from the following:
- THEA1010 Vectorworks for Entertainment (3)
- THEA2215 Set Design I (3)
- THEA3313 Scene Painting (3)
- THEA3112 Lighting for the Stage (3)
- THEA3357 Audio Design Concepts (3)
- THEA2500 Costume Design (3)
- THEA3110 Stagecraft II (3)
- THEA3378 FDU at the RSC: Shakespeare in Practice, Design & Management
  (3)*
- THEA3110 Stagecraft 2 (3)

- [THEA3364](#) Stage Production and Crew 4 (1)
- [THEA3365](#) Stage Production and Crew 5 (1)
- [THEA3366](#) Stage Production and Crew 6 (1)
- [THEA3114](#) Design Studio (3)

*FDU at the RSC courses are provided through a partnership with the Royal Shakespeare Company and Stepping Stone Performing Arts on FDU's Wroxton campus in England. See fdu.edu/rsc for further details. Other elective courses and substitutions are available by permission.

For Information

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[Back to Top](#)

Digital Marketing Minor

The 15-credit digital marketing minor is offered for business and non-business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor.

Due to prerequisite courses, some, not all, minors are only open to students in the Silberman College of Business. Any student interested in pursuing a minor at Silberman College should contact an advisor in the Silberman Academic Advising Office.

Requirements

- [MKTG2120](#) Principles of Marketing
- [MKGT3360](#) Digital Marketing
- [MKTG3383](#) Social Media Marketing
- [MKTG4272](#) Consumer Behavior
- [MKTG4499](#) Internship in Marketing Studies (digitally focused)

Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Data Science (Florham only)
- Economics
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Finance (business students only)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Marketing (business students only)
- Sales
- Sustainability (Florham only)

[Back to Top](#)

Digital Media for Advertising Minor

The School of the Arts, Maxwell Becton College of Arts and Sciences, offers a 15-credit digital media for advertising art minor for non-art and non-fine arts majors at the Metropolitan Campus, Teaneck, New Jersey.

Students who desire a digital media for advertising art minor, and who are not majoring in fine arts, may enroll in this program. A selection of courses totaling at least 15 credits, arranged with the guidance of a fine arts adviser, is required.

Requirements

- [CGD2174](#) Digital Publishing
- [CGD1178](#) Multimedia on the Internet
- [CGD1843](#) Design for the Web
- [CGD1313](#) Creative Imagery with Photoshop or [CGD1192](#) Digital Photography
- [COMM2321](#) Advertising Principles

For Information

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[Back to Top](#)

Digital Tools for Social Media Minor

The School of the Arts, Maxwell Becton College of Arts and Sciences, offers a 15-credit digital tools for social media art minor for non-art and non-fine arts majors at the Metropolitan Campus, Teaneck, New Jersey.

Students who desire a digital tools for social media art minor, and who are not majoring in fine arts, may enroll in this program. A selection of courses totaling at least 15 credits, and arranged with the guidance of a fine arts adviser, is required.

Requirements

- ART1843 Design for the Web
- CGD1177 Introduction to Digital Media
- CGD1178 Multimedia on the Internet
- COMM2050 Digital Storytelling
- COMM3444 Public Relations

For Information

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Back to Top

Diversity, Equity, and Inclusion Studies Minor

The Diversity Minor is intended to give students a broad understanding of human diversity, social inequality, and social (in)justice(s). Upon completion of the minor, students will have foundational knowledge of socially constructed identities such as race, class, gender, sexuality, disability, age, ethnicity, religion, and nationality.

Requirements for the Minor in Diversity, Equity, and Inclusion Studies (15 credits)

One introductory course, one course from the race/ethnicity, one course from the gender/sexuality requirement, and one course from the class requirement. Students must also
select one course from one of the following required categories: global perspectives and cultural diversity, or government policies.

Introductory Course: (3 Credits)

SOCI1101 or SOCI1201 Introduction to Sociology

Requirement 1: Race/ Ethnicity (3 Credits)

- CRIM1112 Race/Gender/Crim Justice Syst
- CMLGY3201 Race & Crime
- AFAM1100 Intro African Amer Studies
- AFAM2100 The New Jim Crow
- AFAM2600 Current Issues African-Amer
- AFAM3201 Race & Crime
- AFAM3356 African Americans & New Media
- AFAM3357 Soc of the African Amer Family
- AFAM3358 Sociology of the Black Church
- AFAM3359 Sociology of Race, Rap & Relig
- HIST3102 Race in America
- HUMN3000 Dealing with Diversity

- [LATS2000](#) Growing Up Latino
- [LITS2140](#) African-American Literature
- [LITS2503](#) or [SPAN2503](#) Topics in Latino Studies
- [LITS3202](#) American Writers: Race in Black & White
- [LITS3203](#) Contemporary Black Literature
- [SPAN2507](#) Latin American Culture & Civ
- [GOVT2206](#) American Minority Politics
- [PSYC3339](#) Psychology of Prejudice
- [SOCI2251](#) Race and Ethnicity or [SOCI3312](#) Ethnic and Race Relations
- [SOCI3320](#) Race, Generation, & Immigration
- [SOCI3440](#) Women & Race in Modern Britain

Requirement 2: Gender/ Sexuality (3 Credits)

- [AFAM2500](#) Black Male Experiences
- [AFAM2501](#) Black Female Experiences
- [CRIM1112](#) Race/Gender/Crim Justice Syst
- [COMM2866](#) Women and Minorities in the Media
- [FREN3051](#) Sex and Politics in French Lit
- [HIST2504](#) Gender & Race in Latin America
- [INTER1007](#) Gender and Identity
- [INTER1015](#) Women & Culture
- [LITS2122](#) LGBTQ+ Literature
- [LITS3154](#) Women's Autobiography
- [LITS3343](#) Theories of Gender/Sexuality
- [LITS2121](#) Women Writers
- [LITS2070](#) Sex & Politics in French Lit
- [LITS2269](#) Sex & Violence in Middle Ages
- [PHIL2217](#) Sex and Revolution: 19th-Cent
- [GOVT2071](#) Gender and Public Policy
- [SOCI2314](#) Sex, Knowledge, and Power
- [GOVT2070](#) Women & American Politics
- [SOCI3030](#) Gender in Contemporary World
- [SOCI3314](#) Sociology of Gender

- COMM3501 Communication and Gender

Requirement 3: Class/ Socioeconomic Issues (3 Credits)

- ANTH3403 Global Poverty, Cult & Reprod
- CMLGY2990 Crime in the City
- CMLGY3020 Race, Class & Policing
- COMM2861 Mass Communication
- CRIM1130 Working W/Children & Families
- CRIM1135 Soc. Justice & Struct. Inequal
- CRIM2203 Crime and Inequality
- GEOG2600 Urban Geography
- SOCI3313 Social Inequality
- SOCI3329 Social Class in Amer & World
- SOCI3330 Crime and Inequality
- SOCI3345 The Underclass
- SOCI3351 Urban Sociology
- SOCI3355 Social Welfare Policy

Select one course from requirement 4 OR 5

Requirement 4: Global Perspectives and Cultural Diversity (3 Credits)

- ANTH1202 Cultural Anthropology
- ARAB2506 Arab Culture and Civilization
- BIOL1221 Biological Diversity
- BIOL1008 Ecology for Life
- CHIN2100 Chinese Culture
- FREN3007 French Culture and Civ
- FREN3553 Francophone Literature
- GLOB6711 Genocide: American Perspective
- HIST2292 Asian Cultural History
- HIST2501 Colonial Latin America
- HIST2502 Modern Latin America

- [INTER2101](#) Globalization: Nature, Causes and Consequences
- [INTER2103](#) Ethics, Human Rights and Globalization Seminar
- [JAPN2506](#) Japanese Culture and Civ
- [LANG2410](#) or [SPAN3456](#) Spanish Culture & Civilization
- [LANG2411](#) or [SPAN2507](#) Latin American Culture & Civ
- [LITS2050](#) Voices of India
- [LITS3073](#) Irish Literature
- [LITS3071](#) Contemp. African Lit & Culture
- [LITS3061](#) Contemporary World Literature
- [LITS2035](#) American Writers in Italy
- [LITS3324](#) Caribbean Literature
- [GOVT2130](#) International Relations
- [GOVT3011](#) Human Rights in Global Environment
- [SPAD2025](#) Global Perspectives in Sports
- [SPAD3003](#) Sports & Society
- [SOCI3325](#) Urban Cult: A World of Cities
- [COMM1105](#) Intercultural Communication

Requirement 5: Government Policies and Social Practices (3 Credits)

- [ANTH3349](#) War & Crime
- [GEOG2500](#) Global Development
- [CMLGY3017](#) Reimagining Justice
- [CRIM1120](#) Intro to Jurisprudence
- [CRIM3319](#) Courts & Judicial Process
- [CRIM1103](#) Criminal Law
- [CRIM2201](#) Police & Society
- [CRIM2202](#) Corrections, Parole, & Probation
- [GOVT2030](#): Supreme Court
- [GOVT3240](#): Law and Society
- [GOVT2300](#): Citizenship, Service, & Civic Engagement
- [GOVT1200](#), [CMLGY1210](#): Introduction to Law
- [GOVT3245](#), [EDUC3245](#): School Law

- [GOVT3210](#), [CMLGY3307](#): Civil Rights and Civil Liberties
- [GOVT3250](#): Racial Justice and Social Policy
- [HIST2106](#) Ethical Issues in History
- [LITS3350](#) Monsters and Bad States
- [LITS3810](#) Politics, Law & Literature
- [LITS3323](#) Colonial & Postcolonial Lit
- [PHIL1117](#) Legal Issues and Human Rights
- [GOVT2606](#) Ethics and Politics
- [GOVT3240](#) Law and Society
- [SOCI2810](#) Social Problems & Contemporary World
- [SOCI3337](#) Social Movements & Social Change
- [SOCI4200](#): AI, Technology and Social Change
- [SOCI3344](#): Schools and Society
- [SOCI4000](#): Sociological Theory
- [CMLGY3017](#) Reimagining Justice

[Back to Top](#)

Dramatic Literature and Performance Minor

The 15-credit dramatic literature and performance minor provides grounding in theatrical history, dramatic literature, theory and performance practices. This minor is recommended for cultural enrichment, as preparation for advanced study, or in preparation for employment in the arts. This minor is also an excellent choice for those interested in dramaturgy.

This minor is offered jointly by the department of literature, languages, writing and humanities and the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham and Metro Campuses, Madison and Teaneck, New Jersey.

Required Courses

Shakespeare (3 credits)

Choose one of the below:

- LITS3213 Shakespeare I (3) OR
- LITS3214 Shakespeare II (3) OR
- ENGL3388 OR LITS3388 [3] FDU at the RSC: Shakespeare's Blueprint, from Page to Stage* OR
- THEA3358 Acting Shakespeare *with prerequisite* (3) OR
- SPCH3368/THEA3368 FDU at the RSC: Shakespeare in Practice, Acting* (3) OR
- THEA3378 FDU at the RSC: Shakespeare in Practice, Design, & Management* (3)

Theater Literature (3 credits)

- THEAH1201 Development of the Theater I: Ancient to Elizabethan OR
- THEAH1202 Development of the Theater II: Restoration to Today OR
- THEAH1103 Introduction to Theater

Elective Courses (9 credits)

Literature Electives (3 credits)

Select one course from the following:

- LITS3101 Greek and Roman Drama
- LITS3103 Modern Drama: 1880–1930
- LITS3104 Contemporary American Drama
- LITS3105 Contemporary European Drama
- LITS3106 Contemporary World Drama
- LITS3213 Shakespeare I or LITS3214 Shakespeare II
- ENGL3388/LITS3388 [3] FDU at the RSC: Shakespeare's Blueprint, from Page to Stage*

Other dramatic literature courses may be available for substitution by permission.

Dance and Theater Electives (6 credits)

Select 6 credits from the following:

- DAN1320 Beginning Dance
- THEAH1201 Development of the Theater I: Ancient to Elizabethan

OR

- THEAH1202 Development of the Theater II: Restoration to Today

(In addition to the 3 credits selected from Development of Theater required above)

- THEA1110 Introduction to Acting (3) NOTE: this course is prereq for other courses below.
- THEA2005 Directing I *with prerequisite* (3)
- THEAH2255/CREWH2255 Playwriting and Dramatic Structure (3)
- THEA3358 Acting Shakespeare *with prerequisite* (3)
- THEA3336 Acting for TV and Film *with prerequisite (3)*
- THEA1111 Introduction to Acting II *with prerequisite* (3)
- THEA2310 Stage Management (3)
- DANH1322 Dance History and Appreciation (3)
- DAN2507 Choreography (3)
- DAN2020 Basic Tap (3)
- DAN2021 Ballet I (3)
- DAN2700 Hip Hop (3)
- DAN2601 Modern (3)
- DAN1130 Jazz (3)
- SPCH3368/THEA3368 FDU at the RSC: Shakespeare in Practice, Acting* (3)
- THEA3378 FDU at the RSC: Shakespeare in Practice, Design, & Management* (3)
- MUSIC3398 FDU at the RSC: Musical Theater Cabaret* (3)
- THEA3361 Stage Production and Crew 1 (1)
- THEA3362 Stage Production and Crew 2 (1)

- [THEA3363](#) Stage Production and Crew 3 (1)
- [THEA1005](#) Makeup for the Stage (1)
- [DAN3316](#) Stage Combat (1)

*FDU at the RSC courses are provided through partnership with the Royal Shakespeare Company and *Stepping Stone Performing Arts* and are located on FDU's Wroxton campus in England. See fdu.edu/rsc for further details.

For Information

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[Back to Top](#)

Economics Minor

The Economics Minor introduces students to the basic concepts, theories, modeling approaches, and methods of economics. The 15 credit minor consists of two required field courses, a required methodology course, a modeling course that can be satisfied by taking one of two courses, and an elective from economics or finance. Current

students should refer to their degree audit in Self-Service for the most accurate program requirements.

Required Courses

- [ECON2001](#) Introduction to Microeconomics
- [ECON2102](#) Introduction to Macroeconomics
- [ECON2250](#) Economic Methods
- [ECON4844](#) Game Theory or [ECON4845](#) Agents in the Matrix

Elective Courses

- One course to be selected from the 2000- or higher-level offerings in economics (ECON) or finance (FIN).

For more information

Contact the Silberman Advising Office

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Data Science (Florham only)
- Digital Marketing
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Finance (business students only)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Marketing (business students only)
- Sales
- Sustainability (Florham only)

Education Minor

The minor in Education is available on both the Metro and Florham campuses. Courses are the same on both campuses for all EDUC courses.

Minor in Education (15 credits)

Required Course

- [EDUC1108](#) – Seminar in Professional Practice I (offered Fall only) (3 cr)

Students must take at least two (2) of the following courses

- [EDUC2209](#) – Seminar in Professional Practice II (Fall only) ([EDUC1108](#) is prereq) (3 cr)
- [EDUC3309](#) – Seminar in Professional Practice III (Spring only) ([EDUC1108](#) and [EDUC2209](#) are prereqs) (3 cr)
- [EDUC2202](#) – Development of Children with and without Disabilities (Spring only) ([EDUC1108](#) is prereq) (3 cr)
- [EDUC2207](#) – Introduction to Special Education & Students with Disabilities including Autism Spectrum Disorder (Fall only) ([EDUC1108](#) and [EDUC2202](#) are prereqs) (3 cr)

Electives

Students may select additional courses from this list to complete 15 or more credits for the minor:

- [EDUC2401](#) – Field Experience I (Spring only) ([EDUC1108](#) is prereq) (1 cr)
- [EDUC2402](#) – Field Experience II (Spring only) ([EDUC2209](#) is prereq) (1 cr)

- Metro campus: [PSYC2204](#) – Child Development *or* [PSYC3305](#) Adolescent Growth and Development (only one of these courses may be used for the minor) (Psychology majors may not use either course for this minor) (3 cr)
- Florham campus: [PSYC3001](#) – Human Development (Child) *or* [PSYC3302](#) Human Development (Adolescent) (Only one of these courses may be used for the minor) (Psychology majors may not use either course for this minor)
- [PSYC3308](#) – Educational Psychology (Psychology majors may not use this course for their minor) (3 cr)

If student is in a 5 year accelerated program, other courses may be selected with the approval of this/her SOE advisor.

Any student with a Minor in Education must have an advisor from the SOE sign his/her registration form.

Acceptance into the Education Minor does not imply acceptance into the QUEST Program.

[Back to Top](#)

Electrical Engineering Minor

(for non-electrical engineering majors)

The minor in Electrical Engineering consists of 15 credits and is relevant to students with appropriate mathematics and science backgrounds. This minor provides students with a foundation in electrical engineering, and it can bring them additional employment opportunities and career options.

Required Courses (15 credits)

- [EENG2221](#) Signals and Systems I
- [EENG2222](#) Signals and Systems II
- [ENGR2286](#) Digital System Design
- [EENG2287](#) Microprocessor System Design I
- [EENG3265](#) Electronics I

To take any course in the minor, a student must meet all the prerequisites for that course.

[Back to Top](#)

Electrical Engineering Technology Minor

(for non-electrical engineering technology majors and non-electrical engineering majors)

The minor in Electrical Engineering Technology consists of 15 credits and is available to qualified students. This minor provides students with a foundation in electrical engineering technology, and it can enhance their employment opportunities and career options. To take any course in the minor, a student must meet all prerequisites for that course. The course distribution is as follows:

Required Courses (9 credits)

- [EGTG2215](#) Circuits I (3 credits)
- [EGTE2216](#) Circuits II (3 credits)
- [EGTG2286](#) Digital System Design (3 credits)

Electives (6 credits)

Two courses must be chosen from the following:

- [EGTE2287](#) Microprocessor System Design I (3 credits)
- [EGTE3288](#) Microprocessor System Design II (3 credits)
- [EGTG2265](#) Electronics I (3 credits)
- [EGTE3266](#) Electronics II (3 credits)
- [EGTE4381](#) Computer-aided Analysis and Design (3 credits)
- [EGTG3223](#) Instrumentation (3 credits)

[Back to Top](#)

Entertainment Business and Management Minor

The entertainment business and management interdisciplinary minor allows the student to focus on the unique requirements of developing a product for the entertainment and/or communication industries. Aspects of production management and communication are addressed in this minor, and the student will learn about the business role of the producer — from acquiring a product through production and distribution. Skills involved and developed include leadership, communication, marketing, and accounting.

The minor is composed of 15 credits in specified film, entrepreneurship, marketing, business and/or communication courses, designed to introduce students to the business and management side of entertainment.

The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Required Courses (9 credits)

- [ENTR2710](#) Fundamentals of Entrepreneurship and Innovation

- [FILM3426](#) Producing Movies
- [FILM3427](#) Distributing Movies and Media

Elective Courses (6 credits)

For students in the minor who are majoring in communication or who are at the Silberman College of Business, the occasional prerequisite seen below, will not pose a problem in completing the minor. Most of the courses listed here do not have prerequisites.

- [ENTR3160](#) Launching New Ventures
- [BUSI1000](#) Foundations of Business
- [COMM2002](#) Small Group Communication
- [COMM2099](#) Professional Communications
- [COMM3004](#) Organizational Communication
- [COMM3030](#) Events Planning (prerequisite is [COMM2004](#) Public Relations Principles)
- [ENTR3101](#) Small Business Management: Entrepreneurial Perspectives (blended course)
- [ENTR3300](#) E-business for Entrepreneurs (online)
- [ENTR3601](#) Women As Entrepreneurs (online)
- [MGMT2600](#) Organizational Behavior
- [MKTG3360](#) Digital Marketing (prerequisite is [MKTG2120](#) Principles of Marketing; which is required of all SOA students)

[Back to Top](#)

Entrepreneurship Minor

The 15-credit entrepreneurship minor is offered for business and non-business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Due to prerequisite courses, some, not all, minors are only open to students in the Silberman College of Business. Any student interested in pursuing a minor at Silberman College should contact an adviser in the Silberman Academic Advising Office .

Requirements

- [ENTR2710](#) Fundamentals of Entrepreneurship and Innovation (offered as a business core)
- [ENTR3710](#) The Lean LaunchPad: From Idea to Launch
- [ENTR4600](#) Managing Growing Ventures

Select two electives:

- [ENTR3101](#) Small Business Management: Entrepreneurial Perspective
- [ENTR3202](#) Family Business Management
- [ENTR3300](#) E-Business for Entrepreneurs (online)
- [MGMT3400](#) Managing Sustainability in the Global Context
- [MKTG3341](#) Professional Sales and Sales Management

Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

- Accounting (business students only)

- Business Administration (for non-business students)
- Data Science (Florham only)
- Digital Marketing
- Economics
- Environment of Business (for non-business students)
- Finance (business students only)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Marketing (business students only)
- Sales
- Sustainability (Florham only)

[Back to Top](#)

Environment of Business Minor

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The Silberman College of Business offers minors for non-business majors at the Florham Campus in Madison, New Jersey, and at the Metropolitan Campus in Teaneck, New Jersey. The Environment of Business is a 15-credit minor intended to allow students the opportunity to complete the 4 plus 1 MBA program. For students interested in completing a general business minor, please take a look at the Business Administration minor.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor.

Any student interested in pursuing a minor at Silberman College should contact an advisor in the Silberman Academic Advising Office.

Requirements

- [ACCT2021](#) Introductory Financial Accounting
- [ACCT2022](#) Introductory Managerial Accounting
- [ECON2001](#) Introduction to Microeconomics
- [ECON2102](#) Introduction to Macroeconomics
- [LAW2276](#) Business and the Law

For Information

Contact an advisor in the Silberman Academic Advising Office.

[Back to Top](#)

Environmental Science Minor

Minor in Environmental Science for non Science Majors.

Required 15 credits of 15 credit minor

- [ENVR1101](#)/[ENVR1102](#) Physical Geology is offered in the Fall (3)
- [ENVR1111](#)/[ENVR1112](#) Oceanography offered in Spring (3)
- [PHYS1126](#)/[PHYS1026](#) Earth Physics offered in the Fall (3)
- [PHYS1125](#)/[PHYS1025](#) Astronomy is offered in the Spring (3)
- [BIOL1105](#)/[BIOL1115](#) The Human Environment offered Fall and Spring (3)

Environmental Studies Minor

An Interdisciplinary Minor designed for students interested in investigating the intersection of the environment and sustainability across natural science, social science, and business contexts.

Required Courses (10 credits)

- BIOL1070/BIOL1071 Ecosystem & Environmental Science with Lab (4 credits)
- GEOG2700 Environmental Geography (3 credits)
- MGMT3400 Management and Sustainability in a Global Context (3 credits) **or**
- MKTG3501 Marketing for a Sustainable World (3 credits)

Elective Courses (6-7 credits)

Students must complete two additional courses from the approved list below; at least one course must be an additional science (BIOL/CHEM/PHYS). An approved 3-credit internship can also be applied toward the minor.

- BIOL1222 Biological Diversity with Lab (4)
- BIOL1041/BIOL1042 Tropical Biology with Lab (4)
- BIOL1180 Climate Change Biology (3)
- CHEM1027/CHEM1028 Chemistry for the global Citizen with lab (4)
- LITS3351 Literary Perspectives on the Environment (3)
- MGMT3400 Management and Sustainability in a Global Context (3)

- MKTG3501 Marketing for a Sustainable World (3)
- PHYS1010 Physics of Sustainability Energy with lab (4)
- Approved Internship (3)

[Back to Top](#)

Esports Innovation and Entrepreneurship Minor/Undergraduate Certificate

Required Courses

Each course is 3 credits

- ENTR2710 Fundamentals of Entrepreneurship & Innovation
- ENTR3300 E-Business for Entrepreneurs
- SPAD2017 Introduction to Esports
- SPAD2018 Esports Internship
- SPAD2088 Esports Live Events/Operations

Fundamentals of Esports Innovation and Entrepreneurship

Esports Innovation and Entrepreneurship provides students a better understanding about entrepreneurship within the Esports industry. Esports is a fast-growing industry and will continue to grow in the upcoming years (Björn & Sören, 2020). The minor explains how Esports is evolving, how Esports organizations can generate revenue, why investors should invest in Esports organizations, and how Esports entrepreneurs can help benefit their community.

The Esports industry is a multi-billion-dollar opportunity for future investors (Cuomo, 2020). Esports is evolving in ways that can generate more revenue, expand Esports technology, and overall can alter the way we view Esports. For example, the gaming industry and the Esports industry can come together in different types of events. These events can be successful in creating more revenue for both the gaming and Esports industries. By entrepreneurs hosting events, sponsorships and new business opportunities can be created as well. Therefore, an entrepreneurial approach is needed in the Esports industry because there needs to be a set structure and a plan for Esports and gaming events (Smith, 2021).

Students will learn that being educated in Esports Innovation and Entrepreneurship and having the knowledge to expand the Esports Industry is essential to creating a successful Esports organization. It's important to have entrepreneurs who can network communities and decide what content they will present to attract future participants and consumers.

Program Objectives

The objective of this program is to prepare students for competitive jobs in the fast-growing esports industry, specifically innovation and entrepreneurship. This program is designed to guide students to identify various e-sports opportunities, and understand the basics of e-sports innovation and entrepreneurship. Students will be able to:

- Identify various career opportunities in the e-sports industry
- Identify and evaluate the fundamentals of e-sports innovations and entrepreneurship
- Understand the business aspect of e-sports

Tuition

The standard rates for undergraduate courses.

Contact Information
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Contact Information
Dr. J.C. Kim
201-692-7272 (Metro Campus) Professor, Sport Management, Metro Campus Program Director

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Esports Minor or Undergraduate Certificate

Program Objectives

The objective of this certificate/minor is to expose interested candidates to the growing sector of esports and competitive gaming and provide career pathways to the industry.

- Identify career paths and the business models within esports.
- Identify and analyze ethic, legal, and HR issues in esports.
- Understand how to plan esports events while satisfying stakeholders.
- Understand the basics in game design.

Required Courses (15 credits)

- [SPAD2007](#) Introduction to ESports
- [ANIM1650](#) Game Design
- [SPAD2088](#) ESports Live Events/Operations
- [SPAD2019](#) Sports Marketing
- [SPAD3015](#) Introduction to Sports Analytics

NOTE: An internship in ESports ([SPAD2018](#)) can be a substitute for any of the courses above.

Tuition

The standard rates for undergraduate courses.

Contact Information

Dr. Robyn Lubisco, Director of the Sport Management Program, Florham
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Contact Information

Dr. J.C. Kim
201-692-7272 (Metro Campus) Professor, Sport Management, Metro Campus Program Director
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Event and Convention Management Minor

Fairleigh Dickinson University's International School of Hospitality, Sports, and Tourism Management now offers a **Minor in Event and Convention Management**.

Industry segments including social, corporate, association, convention, tradeshow, festival, and special events will be reviewed. Meeting planning from event inception to post event evaluation will be discussed. Students will gain an understanding of domestic and international meetings and the nuances of each.

Students will learn the various processes in achieving this by examining budgeting, site selection, menu creation, beverage planning, etc. The Minor is offered on the Metropolitan and Florham campuses, in New Jersey, and at the Vancouver Campus in British Columbia. Students in any major at FDU are eligible for the minor.

For more information contact:

Donald Hoover, dhoover@fdu.edu 609-432-7297

Dr. Iris Gersh, gersh@fdu.edu 973-443-8271/973-443-8271

Required Courses

- [HRTM1103](#) Fundamentals of Event and Convention Management
- [HRTM4241](#) Digital Platforms and Marketplaces
- [HRTM3260](#) Event Design/ Production and Logistics
- [MKTG3341](#) Professional Sales and Sales Management
- [MGMT2600](#) Organizational Behavior

Contact Information

Dr. Iris Gersh, Program Director
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[Back to Top](#)

Event and Convention Management Undergraduate Certificate

Fairleigh Dickinson University's International School of Hospitality, Sports, and Tourism Management now offers a **Minor in Event and Convention Management**.

Industry segments including social, corporate, association, convention, tradeshow, festival, and special events will be reviewed. Meeting planning from event inception to post event evaluation will be discussed. Students will gain an understanding of domestic and international meetings and the nuances of each.

Students will learn the various processes in achieving this by examining budgeting, site selection, menu creation, beverage planning, etc. The Minor is offered on the Metropolitan and Florham campuses, in New Jersey, and at the Vancouver Campus in British Columbia. Students in any major at FDU are eligible for the minor.

For more information contact:

Donald Hoover, dhoover@fdu.edu 609-432-7297

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Required Courses

- [HRTM1103](#) Fundamentals of Event and Convention Management
- [HRTM4241](#) Digital Platforms and Marketplaces
- [HRTM3260](#) Event Design/ Production and Logistics
- [MKTG3341](#) Professional Sales and Sales Management
- [MGMT2600](#) Organizational Behavior

Contact Information

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[Back to Top](#)

Film Production Minor

The 15-credit minor in film production will provide students with an introduction to the language of film-making. Upon completion of the minor, students will better understand the film-making process, be able to analyze the strengths of different genres in the medium, and be able to create short films in digital format.

Required Courses (12 credits)

- [FILM1005](#)   Filmmaking I: Basic Production
- [FILM2250](#)   Screenwriting I

- [FILM2208](#)   Filmmaking II: The Professional Crew
- [FILM2310](#)   Postproduction I

Elective Courses (3 credits)

A course that considers films linked by a theme, a national cinema, subject, or genre (survey).

or

A course that considers the work of a single filmmaker (auteur).

-See an advisor for approval before registering in order to ensure the courses you select fulfill the minor.

[Back to Top](#)

Finance Minor

The finance minor is offered only for business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Requirements

- [FIN3310](#) Intermediate Financial Analysis
- [FIN4341](#) Financial Markets and Institutions
- [FIN4343](#) Securities and Investments
- [FIN4405](#) Analytical Methods in Finance

Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Data Science (Florham only)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Marketing (business students only)
- Sales
- Sustainability (Florham only)

[Back to Top](#)

Financial Planning and Wealth Management Minor

The 15-credit financial planning and wealth management minor is offered for business and non-business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Due to prerequisite courses, some, not all, minors are only open to students in the Silberman College of Business. Any student interested in pursuing a minor at Silberman College should contact an adviser in the Silberman Academic Advising Office . Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Requirements

- [WMA4265](#) Personal Tax Planning (accounting majors must take [ACCT4267](#) Fundamentals of Federal Taxation instead, which will count toward the major and this minor)
- [WMA3335](#) Personal Financial Management or [FIN3330](#) Personal Financial Management
- [WMA4350](#) Investment Planning (finance majors must take [FIN4343](#) Securities and Investment instead, which will count toward the major and this minor)
- [WMA4380](#) Client Relations in Financial Management

Select one elective:

- [WMA4267](#) Retirement Planning
- [WMA4370](#) Personal Estate and Gift Planning
- [WMA4375](#) Risk Management and Insurance

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Data Science (Florham only)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Finance (business students only)
- Human Resources
- Leadership
- Marketing (business students only)
- Sales
- Sustainability (Florham only)

[Back to Top](#)

Forensic Psychology Minor

Metro Campus

One Required Foundation Course (3 credits)

- [PSYC1201](#) General Psychology

Two Required Major courses – (6 credits) from the following:

- [PSYC2210](#) Statistics
- [PSYC2204](#) Child Development
- [PSYC2234](#) Social Psychology
- [PSYC2211](#) Research Methods [Prerequisite: [PSYC2201](#) Statistics or equivalent in major (e.g., [DSCI2130](#) Business Statistics)]
- [PSYC3005](#) Abnormal Psychology
- [PSYC3015](#) Theories of Personality

Two Forensic Psychology Track Courses – (6 credits) from the following:

- [PSYC3305](#) Adolescent Growth and Development
- [PSYC3317](#) Psychology and the Law
- [PSYC3319](#) World of the Psychopath or an approved CRIM course
- [PSYC3421](#) Psychology of Criminal Behavior [Prerequisite: [PSYC3005](#) Abnormal Psychology]

Students who are majoring in psychology are not permitted to enroll in this minor. Psychology majors may elect to complete the forensic psychology track within their major and must complete a minor in another area.

Florham Campus

There is an interdisciplinary Forensics minor. This minor consists of courses in psychology, criminology, sociology, and biology. It is not a psychology-specific minor.

Minors are optional on Florham.

Forensics Minor

The Forensics interdisciplinary minor is a 16-credit minor designed for students who are interested in how physical and psychological evidence resolve issues involving criminal behavior, crime scenes, and criminal investigations. This highly popular field spans across many disciplines, drawing from psychology, sociology, criminology, political science, chemistry, biology, and philosophy.

Students are required to take the Forensic Psychology course and an introductory Science course with a forensics component (4 credits). Students can then select the remaining 9 credits from a broad array of elective courses in multiple disciplines.

In order to fulfill the minor, students are required to take no more than 3 credits of their Elective courses in any single discipline.

Required Courses (6-7 credits)

- CMLGY3360 (3 credits) Forensic Psychology
- BIOL1233/BIOL1234/1235 (4 credits) Molecules, Cells, and Genes (includes DNA analysis information and forensic science laboratory exercise)

OR

- BIOL1005/BIOL1006 (4 credits) Current Topics in Biology (includes forensics component)

OR

- CHEM1051 (3 credits) Chemistry and the Crime Scene

OR

- BIOL1090/BIOL1091(4 credits) – Human Biology and Health

OR

- CHEM1118/CHEM1119 (3 credits) – Forensic Science

Elective Courses (9 credits)

Select 3 courses from the following courses, with no more than 6 credits within a single discipline. Special permission is required for any elective not listed below.

- CMLGY3315/PSYC3315 Abnormal Psychology
- PSYC3032 Physiological Psychology
- PSYC4490 Human Development
- PSYC2234 Social Psychology
- PSYC3334 Psychopharmacology
- CMLGY1306 Introduction to Crime and Criminology
- CMLGY2230 Judicial Process
- CMLGY2300 Wrongful Convictions
- CMLGY2307 Social Deviance
- CMLGY2333 Criminal Law
- CMLGY2360 Victimology
- CMLGY2701 Penology
- CMLGY3201 Race and Crime
- CMLGY3301 Women and Crime
- CMLGY3308 Law and Society
- CMLGY3309 Policy Analysis
- CMLGY3310 Juvenile Delinquency
- SOCI2318 Law and the Family
- SOCI3327 Crime and the Media
- SOCI3347 Sociology of Violence
- GOVT2030 The Supreme Court
- GOVT2400 Political Ethics
- PHIL1101 Introduction to Logic
- CHEM1201/CHEM1203/CHEM1211 General Chemistry I

- [CHEM2221](#) Analytical Chemistry
- [CHEM3281](#) Biochemistry I
- [BIOL1205](#)/[BIOL1207](#) Anatomy and Physiology I
- [BIOL1206](#)/[BIOL1208](#) Anatomy and Physiology II
- [BIOL2003](#)/[BIOL2004](#) Cell Biology
- [BIOL3009](#)/[BIOL3019](#) Microbiology
- [BIOL3100](#)/[BIOL3101](#) Genetics
- [BIOL3332](#)/[BIOL3333](#) Immunology
- [PHIL2432](#) Philosophy of Law
- [GOVT3240](#) Law and Society
- [PSYC3015](#) Theories of Personality

[Back to Top](#)

French Minor

The 15-credit French Language Minor is comprised of the sequence of language courses indicated below. This ensures that the student who has completed this Minor will be reasonably fluent in the language and capable of reading and appreciating written and oral communication in French while also having a fair grasp of French Literature and culture.

Students who are assessed as sufficiently advanced in the language so as to opt out of one or more of the required language courses may choose from the array of FRENCH courses, with work done in the target language. The student who takes all 4 language courses is left with one additional course needed to complete the Minor; this course can also be selected from the available FRENCH courses that are offered regularly, with work done in the target language. At most, one course may be taken in English.

Required Courses

- [FREN1001](#) Beginning French I
- [FREN1002](#) Beginning French II
- [FREN1101](#) Elementary French I
- [FREN1102](#) Elementary French II
- [FREN2003](#) French Conversation I
- [FREN2004](#) French Conversation II
- [FREN2103](#) Intermediate French I
- [FREN2104](#) Intermediate French II

Note: [FREN1007](#) French Practicum I and [FREN1008](#) French Practicum II are required with [FREN1001](#) and [FREN1002](#) but do not count toward the minor.

Elective Courses

- [FREN2005](#) French Film
- [FREN2008](#) Writing in French
- [FREN2203](#) Contemporary France
- [FRAN3010](#) Advanced French Grammar
- [FREN3051](#) Sex and Politics in French Literature
- [FRAN3551](#) Topics in French Literature I
- [FREN3552](#) Topics in French Literature II

[Back to Top](#)

Gender and Sexuality Studies Minor

This interdisciplinary minor is for students who wish to explore gender and its relation to other axes of power: race, class, ethnicity, and sexuality. We use these concepts to analyze human experience in its bodily, political, economic and cultural dimensions.

- CRIM3301 Women and Crime
- BIOL1010 Human Sexuality
- GOVT2071 Gender & Public Policy
- HIST2504 Gender and Race in Latin America
- HUMN3026/PHIL3026 Theories of Gender and Sexuality (Metro)
- LITS2121 Women Writers
- LITS2269 Sex and Violence
- LITS2122 LGBTQ+ Literature
- LITS3343 Theories of Gender and Sexuality
- SOCI2750 Men and Masculinities
- SOCI3314 Sociology of Gender
- SOCI3030 Gender in the Contemporary World
- SOCI3850 Sexuality, War, and Religion

Back to Top

Geography Minor

The Geography minor is designed to offer Becton College students 15 credits of relevant Geography classes from 1000, 2000, and 3000-level course offerings.

Required (3 credits)

GEOG1102 Geography & World Issues

Electives (12 credits)

GEOG1111 Economic Geography
GEOG2500 Global Development
GEOG3030 Surveillance and Security
GEOG3040 Capture & Control
GEOG3405 Urban Geography

Additional courses will be added to this list as additional course offerings become available.

Back to Top

German Minor

The German minor is available at the Florham campus in Madison, New Jersey.

Required Courses

Take 15 credits of GERM courses.

Note: GERM1007 and GERM1008 practicums are required with GERM1001 and GERM1002 but do not count toward the minor.

Select courses may be taken at:

- Drew University, Madison, New Jersey
- College of St. Elizabeth, Madison, New Jersey

Back to Top

Government and Law Minor

The Government and Law minor is for students *not* majoring in Government and Law.

Students minoring in Government and Law must take five courses in this area (GOVT), selecting from the choices noted below.

- [GOVT1000](#) American Government and Politics
- [GOVT2010](#) The Congress
- [GOVT3015](#) Political Parties/Interest Groups
- [GOVT2015](#) Campaigns and Elections
- [GOVT2020](#) The American Presidency
- [GOVT2030](#) Supreme Court
- [GOVT3040](#) Politics and the Media
- [GOVT2045](#) Public Opinion
- [GOVT2050](#) President & Congress
- [GOVT3060](#) Political Behavior
- [GOVT2070](#) Women and American Politics
- [GOVT2071](#) Gender and Public Policy
- [GOVT1100](#) Global Politics
- [GOVT1120](#) Comparative Government
- [GOVT2120](#) Globalization and its Impact on the State
- [GOVT2130](#) International Relations
- [GOVT3120](#) Dictators and Democrats
- [GOVT3121](#) Nationalism and Ethnic Violence
- [GOVT3122](#) Rebels and Revolutionaries
- [GOVT3150](#) Terrorism and Counterterrorism
- [GOVT1200](#) Introduction to Law
- [GOVT2230](#) Judicial Process

- [GOVT2281](#) Mock Trial I
- [GOVT2282](#) Mock Trial II
- [GOVT3200](#) American Constitutional Law
- [GOVT3210](#) Civil Liberties & Civil rights
- [GOVT3220](#) Criminal Law
- [GOVT3240](#) Law & Society
- [GOVT4200](#) The Constitution
- [GOVT4220](#) Advanced Criminal Law
- [GOVT3230](#) International Criminal Law
- [GOVT2300](#) Citizenship, Service, & Civic Engagement
- [GOVT2400](#) Political Ethics
- [GOVT2500](#) Social Analysis
- [GOVT2520](#) Qualitative Research Methods
- [GOVT2526](#) Polls and Surveys
- [GOVT4551](#) Game Theory
- [GOVT4552](#) Agents in the Matrix
- [GOVT4590](#) Faculty Research
- [GOVT4591](#) Faculty Research
- [GOVT4592](#) Faculty Research
- [GOVT3800](#) Current Events Seminar
- [GOVT1850](#) Playing Politics
- [GOVT2810](#) Gender, Film and History
- [GOVT3841](#) Torture, Interrogation, and the State
- [GOVT3851](#) Monsters and Bad States
- [GOVT4800](#) Independent Study/Pol Science
- [GOVT4801](#) Independent Study/Pol Science
- [GOVT4899](#) Senior Thesis
- [GOVT3900](#) Internship in Politics
- [GOVT3901](#) Internship in Politics
- [GOVT4900](#) Washington Center Internship

Government and Politics Minor

(For non GOVT majors)

Required courses (15 credits)

- [GOVT1101](#)   Introduction to Political Science
- [GOVT1102](#)   Geography and World Issues
- [GOVT2130](#)   International Relations
- [GOVT2231](#)   Comparative Government and Politics
- [GOVT1000](#)   American Government

[Back to Top](#)

Graphic Design Minor

The 15-credit minor in Graphic Design (previously called the Computer Graphics minor) will prepare students to understand, formulate and create design solutions for a variety of visual communication problems in print, the web, and other two-dimensional design contexts.

To achieve this goal, the courses in this minor seek to instill in students the conceptual foundations for understanding design, the desire to develop visual sensitivity, and the

requisite traditional and software skills necessary to confront real-world design situations competitively.

Required Courses

- [CGD1313](#)   Creative Imagery with Photoshop
- [CGD1314](#)   Illustrator Graphics & Design
- [CGD2213](#)   Visual Principles in Design
- [CGD2370](#)   Print Layout
- [CGD3303](#)   Web Design

[Back to Top](#)

History Minor

This minor is for non-history majors and is available at both the Florham and Metropolitan campuses.

Required Courses (15 credits)

Complete five courses (15 credits) from HIST; no more than two courses at the 1000 level, and the remaining courses must be at the 2000 level or above.

[Back to Top](#)

Human Resources Management Minor

The 15-credit human resources management minor is offered for business and non-business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Due to prerequisite courses, some, not all, minors are only open to students in the Silberman College of Business. Any student interested in pursuing a minor at Silberman College should contact an adviser in the Silberman Academic Advising Office . Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Requirements

- MGMT2600 Organizational Behavior
- MGMT3700 Human Resources Management
- MGMT3710 Strategic Staffing
- MGMT3720 Training, Development and Performance Management
- MGMT4730 Strategic Human Resource Management

A student taking MGMT4499 Internship in Human Resources may substitute this class in place of either MGMT3710 Strategic Staffing or MGMT3720 Training, Development and Performance Management.

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Data Science (Florham only)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Finance (business students only)
- Financial Planning and Wealth Management
- Leadership
- Marketing (business students only)
- Sales
- Sustainability (Florham only)

[Back to Top](#)

Humanities Minor

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The 15-credit Humanities minor takes an interdisciplinary and multi-disciplinary approach, drawing from the traditional Humanities disciplines — Philosophy, History, Literature — and the theoretical Arts. The student minoring in Humanities will acquire comprehensive knowledge about influential ideas and worldviews, theories, and methodologies; thorough understanding of historical trends; and discernment of overarching connections across viewpoints, cultures, and historical periods. The skills cultivated and reinforced by the Minor include reading comprehension of demanding and intricate texts; critical thinking and problem-solving; ability to locate events and developments in space and time, and to trace historical changes and interconnections of theoretical outlooks; aesthetic appreciation of works of art.

HUMN1100 Intro to Methods in the Humanities or LITS4001 Senior Capstone (3 credits). (Students can take both, and count one towards another requirement for the minor.)

- One course in HIST, HUMN, LITS, PHIL, or RELI, any level (3 credits)
- One course in HIST, HUMN, LITS, PHIL, or RELI, 2000-level or above (3 credits)
- One course in HIST, HUMN, LITS, PHIL, or RELI, 3000-level or above (3 credits)
- Any course with a Humanities or Arts prefix (3 credits):
  - ART (Studio Art)
  - ARTH (Art History/Appreciation)
  - CINE (Cinema Studies)
  - CREW (Creative Writing)
  - DAN (Dance)
  - ENGL (English, Wroxton and formerly Metro)
  - FILM (Filmmaking)
  - HIST (History)
  - HUMN (Humanities)
  - LANG (except language courses)
  - LITS (Literature, which replaces the former ENGL, English, at Metro)
  - MUSIC (Musical Performance)
  - MUSIH (Music History/Appreciation)
  - PHIL (Philosophy)
  - RELI (Religion)
  - THEA (Theater)
  - THEAH (Theater History/Appreciation)
  - or other course by approval.

Information Technology Minor

This program is for non-information technology majors.

The minor in Information Technology consists of 15 credits. It is relevant for students of all majors, and it will help them gain an advantage in the ever increasing technological demands required for a variety of professions. Students who complete this minor will learn the fundamental aspects of practical applications of information technology. The courses for the minor are as follows:

Required Courses (12 credits)

- CSCI1105 Survey of Computers and Computer Software
- CSCI3268 Database Systems
- INFO2101 Computer Programming for Information Technologists I
- INFO2105 Internet & Web Applications

Elective Courses (3 credits)

One course must be chosen from the following:

- ENGR2286 Digital System Design
- INFO2102 Computer Programming for Information Technologists II
- INFO3201 Human Computer Interface
- INFO4101 Data Communication & Computer Networks I
- INFO4201 Information Technology Needs Assessment & Management

To take any course in the minor, a student must meet all prerequisites for that course.

Back to Top

Interdisciplinary Leadership Minor

The minor combines theory and practice. The minor helps students develop skills they need for leading people and organizations, and for reassessing, growing, and adapting their leadership style and philosophy as they work with different groups, institutions, and professional settings over the course of their careers and lives. Our minor is interdisciplinary and supplements the intellectual depth our students acquire in a major field by giving them a knowledge base concerning leadership so they can project and deploy their liberal arts academic training through work, civic engagement, and personal life.

Leadership Minor Curriculum

Students who wish to complete the Leadership Minor must

1. Complete 6 credits from the "Leadership & Human Behavior" category (below) and
2. Complete 6 credits from the "Leadership: Context and Application" category (below) and
3. Complete a 4000 level, cross-listed Leadership Practicum course (NOTE: students must complete at least 3 classes/9 credits in the Minor before taking the Practicum course) and
4. Complete no more than six credits in any one discipline (as identified by a unique Prefix) not including the Practicum.

Leadership Practicum (COMM4905/GOVT4905/PSYC4905)*

This capstone course provides students with the opportunity to integrate their prior course work and apply it to practice as they engage in leadership in a setting selected with their faculty supervisor. By the end of the course, students will complete a hands-on leadership experience, applying their coursework and creating a final project such as a paper, journal, or portfolio. Students will practice their leadership skills in one of the following settings:

1. Internship in a community-based or other organization
2. Service-learning in a nonprofit organization

3. A leadership role in a campus organization
4. Some other suitable setting identified in consultation with the supervising faculty member.

Notes:

- This course will be cross-listed in COMM, GOVT, AND PSYC
- Students must complete at least 3 classes/9 credits in the Minor before taking the Practicum course

Elective Leadership Electives: Course Categories**

In addition to the required Practicum, students completing the minor must complete 6 credits from each of these two categories (A & B) for a total of 12 credits:

Category A: Leadership & Human Behavior courses

- COMM2002 Small Group Communication
- COMM2204 Intro to Human Communication
- COMM3004 Organizational Communication
- GOVT2020 The American Presidency
- GOVT3156 British Prime Minister
- MGMT2600 Organizational Behavior
- PSYC3015 Theories of Personality
- PSYC2234 Social Psychology
- PSYC3322 Industrial Psychology

Category B: Context and Application courses

- GOVT2400 Political Ethics
- GOVT2300 Citizenship, Service & Civic Education
- GOVT2071 Gender and Public Policy
- GOVT3123 Democratic Erosion
- GOVT3250 Racial Justice & Social Policy
- MGMT3620 Leadership & Personal development
- PADM1115 Latino Leadership Seminar (1 credit)
- PADM1116 Latino Promise Leadership Seminar II (1 credit)

- [PADM1117](#) Sophomore Latino Leadership Seminar I (1 credit)
- [PADM1119](#) Junior Latino Leadership Seminar I (1 credit)
- [PADM4564](#) Managing Culture, Diversity, and Change in Global Organizations
- [PADM4545](#) Effective Risk Management for Leadership
- [PADM4598](#) Public Policy for Not-for-Profit Organizations

*NOTE: Students who wish to complete the Interdisciplinary Leadership Minor can take an Independent Study as a substitute for the Leadership Practicum while we build a sufficient number of students to offer the Practicum on a regular basis.

**NOTE: Other courses will be accepted as substitutions or waivers upon the approval of the Leadership Minor Chair or Co-Chairs.

For More Information

Students with questions about the Interdisciplinary Leadership Minor can contact Bruce Peabody at bpeabody@fdu.edu

[Back to Top](#)

International Affairs Minor

(The minor will replace International Studies)

(For non- GOVT majors)

Required courses (15 credits)

- [GOVT1102](#) Geography and World Issues
- [GOVT2130](#) International Relations

- [GOVT2211](#) International Organizations
- [GOVT2212](#) International Law
- [GOVT2231](#) Comparative Government and Politics

[Back to Top](#)

Italian Minor

The Italian Minor focuses on language acquisition. Students must take up to 15 credits, 12 of which must be language classes from elementary to advanced. One class may be on Italian literature, film, or culture.

The Italian minor is a 15-credit minor offered on the Florham and Metropolitan campuses.

Required Courses

Take 15 credits of ITAL, excluding 1007 and 1008.

[Back to Top](#)

Italian Studies Minor

The Italian Studies Minor is designed to offer Becton College Students who study for the fall/spring semester or for summer session at **Bergamo University** the opportunity to earn a minor that recognizes Bergamo's unique Italian-centered curriculum.

Take 9 credits from [ITAL1002](#) and above. Students will receive credit for relevant Bergamo courses approved by the department

The minor is available at the Florham and Metropolitan campuses.

Bergamo Courses

Students will receive credit for relevant courses approved by the department in an Italian-centered curriculum.

Additional courses will be added to this list as additional course offerings become available.

[Back to Top](#)

Japanese Studies Minor

The 15-credit Japanese studies interdisciplinary minor provides students with an overview of Japanese language and culture. The minor includes instruction in beginning and intermediate Japanese and course work in Japanese culture.

Required Courses (6 credits)

- [JAPN1001](#) Beginning Japanese I
- [JAPN1002](#) Beginning Japanese II

Electives (9 credits)

- [JAPN2001](#) Intermediate Japanese I
- [JAPN2002](#) Intermediate Japanese II
- [JAPN3015](#) Japanese Culture through Film
- [JAPN2506](#) Japanese Culture and Civilization

[Back to Top](#)

Journalism Minor

The 15-credit Journalism minor is intended for students who seek to develop a richer understanding of broadcast, online, and print media. The purpose of the minor in journalism is to offer students the opportunity to build a skill-set suitable for the professional field of news media. Students can choose from a variety of courses, such as news writing and editing, feature writing, and TV and digital journalism.

Required Course (3 credits):

- [COMM2011](#) Introduction to Journalism

Electives (12 credits) selected from the list below:

- [COMM4444](#): Multimedia Journalism
- [COMM2214](#): Intro to Broadcasting
- [COMM3012](#): News Writing and Editing
- [COMM2012](#) Intro to TV and Digital Journalism
- [COMM3013](#): Feature Writing
- [COMM3060](#) TV and Digital Journalism
- [COMM3248](#): Writing for Broadcast
- [COMM3341](#): Radio Management and Digital Journalism

- [COMM3432](): Sports Journalism
- [COMM3838](): Media Ethics
- [COMM3204]() Managing Social Media Crises
- [COMM3208]() The Ethics of social media
- [COMM3207]() The Business of Influencers

[Back to Top]()

Latin American Studies Minor

The Latin American Studies Minor is a 15-credit cultural studies program designed to offer Becton College students an interdisciplinary minor that incorporates a Latin American-centered curriculum to include the Spanish Language as well as Literature and History. Students can also earn credit through courses linked to short-term study abroad in Latin America offered at Becton College, while they can also earn credit from a full semester study abroad program in Latin America.

From the 15 credits available:

- Students need a minimum of 6 credits in History and 6 credits in Language and Literature
- Students can take the remaining 3 credits in either Language and Literature or History

History Courses

Required History Courses (Pick 2 or 3 Courses)

- [HIST2501]() Colonial Latin America
- [HIST2502]() Modern Latin America

- HIST2506 Pre-Columbian Americas
- HIST2503 Post-Columbian Native American History
- HIST2504 Crime & Punishment in Latin America
- HIST3251 Gender and Race in Latin America
- HIST3252 Dictatorship in Latin America
- HIST2510 Latin American History in Film

Language and Literature Courses

Required Language and Literature Courses (Pick 1 or 2 Courses)

- SPAN1002 Beginning Spanish II
- SPAN2003 Spanish Conversation I *
- SPAN2004 Spanish Conversation II *
- SPAN2009 Spanish for Professions
- SPAN3411 Latin American Culture and Civilization (Spanish)

Elective Language and Literature Courses (Pick 0 to 2 Courses)

- SPAN2006 Music in Spanish: Writing and Conversation
- SPAN2007 Hispanic Current Events: Writing & Conversation
- SPAN2008 Hispanic Film: Writing and Conversation
- SPAN2507 Latin American Culture & Civilization (English)
- SPAN2530 Latin American Film
- SPAN3431 Latin American Short Stories
- SPAN3463 The Hispanic Essay
- SPAN3310 Latin American Women Writers
- SPAN3441 Latin American Theater
- SPAN4440 The Hispanic Novel
- SPAN4477 Honors Research and Thesis
- SPAN4498 Internship
- SPAN4800 Senior Independent Study

OR in conjunction with:

STUDY ABROAD (Short-term of 3-6 credits or full semester study abroad of up to 15 credits is highly recommended. Students will receive credit for relevant courses approved by the Department of Social Sciences & History for Latin American and/or Spanish-centered curriculum.)

Additional courses will be added to this list as additional course offerings become available.

Contact Information

lhuertas@fdu.edu
Luz Huertas, Coordinator of Latin American Studies
gary_darden@fdu.edu
Gary Darden, Chair, Department of Social Sciences

[Back to Top](#)

Leadership Minor

The 15-credit leadership minor is offered for business and non-business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Due to prerequisite courses, some, not all, minors are only open to students in the Silberman College of Business. Any student interested in pursuing a minor at Silberman College should contact an adviser in the Silberman Academic Advising Office . Current

students should refer to their degree audit in Self-Service for the most accurate program requirements.

Requirements

- [MGMT2600](#) Organizational Behavior
- [MGMT3100](#) Managerial Ethics
- [MGMT3610](#) Leading Teams
- [MGMT3620](#) Leadership and Personal Development
- [MGMT4640](#) Managing Projects and Organizations

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Data Science (Florham only)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Finance (business students only)
- Financial Planning and Wealth Management
- Human Resources
- Marketing (business students only)
- Sales
- Sustainability (Florham only)

[Back to Top](#)

Legal Studies Minor

Required Courses

- [CRIM1120](#) Introduction to Jurisprudence (Fall)
- [CRIM3319](#) Courts and Judicial Process (Fall/Spring)
- [CRIM3890](#) Legal and Analytical Reasoning (Spring)

Select any 2 courses from below

- [CRIM1103](#) Criminal Law (Fall)
- [CRIM2100](#) Professional and Legal Writing (Fall)
- [CRIM2214](#) Criminal Procedural Law (Spring)
- [GOVT1000](#) American Government (Spring)
- [GOVT2254](#) Public Policy (Spring)
- [GOVT3200](#) American Const Law (Spring)
- [GOVT3210](#) Civil Rights and Liberties (Fall/Spring)
- [GOVT2212](#) International Law (Spring)

[Back to Top](#)

Literature Minor

The English Language and Literature Minor is for students who are **not** majoring in World Literature or English and American Literature.

Required Courses (9 credits)

- LITS1100 Intro to Literary Analysis or LITS4001 Senior Seminar (3 credits) (Students can take both and count one towards another requirement for the minor.)

Select two courses from the following:

- LITS2101 British & European Literature I (3 credits)
- LITS2102 British & European Literature II (3 credits)
- LITS2200 Approaches to World Literature (3 credits)
- LITS2300 American Literature (3 credits)

Elective Courses (6 credits):

- Any other LITS or ENGL (Wroxton) course at any level (3 credits)
- Any other LITS or ENGL (Wroxton) course, 3000-level or above (3 credits)

Back to Top

Marine Biology Minor

The Marine Biology minor is for students NOT majoring in Marine Biology. The minor in Marine Biology consists of four courses with laboratory that will provide students a broad foundation in the subject. Students interested in Marine Biology but wish to major in another related or unrelated field can minor in Marine Biology.

Required Courses (15 credits)

MUST study abroad. Courses held in Dominican Republic.

- [MBIO3701](#) Marine Ecology (3 credits)
- [MBIO3201](#) Aquatic Vegetation (4 credits)
- [MBIO3401](#) Marine Invertebrates (4 credits)
- [MBIO3901](#) Marine Vertebrates (4 credits)

[Back to Top](#)

Marketing Minor

The 15-credit marketing minor is offered only for business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Requirements

- [MKTG2120](#) Principles of Marketing
- [MKTG3344](#) Marketing Research
- [MKTG4272](#) Consumer Behavior
- [MKTG4405](#) Advanced Marketing Management

Select one elective:

- [MKTG3341](#) Professional Sales and Sales Management
- [MKTG3360](#) Digital Marketing
- [MKTG3371](#) Principles of International Marketing
- [MKTG3383](#) Social Media Marketing
- [MKTG3501](#) Marketing for a Sustainable World
- [MKTG4344](#) Public Relations
- [MKTG4345](#) Sports and Events Marketing
- [MKTG4365](#) Marketing Communications
- [MKTG4498](#) Internship in Marketing Studies or
  [MKTG4499](#) Internship in Marketing Studies

Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Data Science (Florham only)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Finance (business students only)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Sales
- Sustainability (Florham only)

Mathematical Statistics Minor

This 17-credit minor is for Silberman College students and Becton College science students.

Required Courses

MATH1203 Calculus I (4 credits)
MATH2202 Calculus II (4 credits)
MATH3303 Probability (3 credits)
MATH3313 Probability Practicum (0 credits)
MATH3300 Statistics I (3 credits)
MATH3371/CSCI3371 Modeling and Simulation (3 credits)

Mathematics for Cybersecurity Minor

This 16-credit minor is for non-computer science majors.

Required Courses:

- MATH1203 Calculus I (4 credits)

- [MATH2255](#) Discrete Structures (3 credits)
- [MATH1133](#) Applied Statistics (3 credits)
- [MATH3335](#) Introduction to Cryptography (3 credits)
- [CSCI1205](#) Introduction to Computer Programming (3 credits)

[Back to Top](#)

Mathematics for the Business World Minor

Required Courses:

- [MATH1203](#) Calculus I (4 credits)
  [MATH2202](#) Calculus II (4 credits)
- [MATH3303](#) Probability & Statistics (3 credits)
- [MATH3371](#) Modeling & Simulation (3 credits) AND [MATH3307](#) Financial Math (3 credits) OR [MATH3305](#) Advanced Probability & Statistics (3 credits)

[Back to Top](#)

Mathematics Minor (Florham)

The mathematics minor is for students not majoring in mathematics.

Required Courses (11 credits)

- [MATH1203](#) or [MATH1201](#) Calculus I
- [MATH2202](#) Calculus II
- [MATH3220](#) Linear Algebra

Electives (7 credits)

Seven credits of additional course work in mathematics to be selected from the 2000 or higher-level offerings in mathematics (MATH).

For Information

Dr. Marek Slaby
mslaby@fdu.edu
973-443-8680

[Back to Top](#)

Mathematics Minor (Metro)

(for non-BA and non-BS math majors)

The minor in Mathematics consists of 17 credits and is relevant to students in all majors. Mathematics is needed in every aspect of one's daily life and in every profession. Students who complete this minor will possess strong mathematical knowledge and problem solving skills that are useful in the contemporary workplace and in graduate studies, including those in business, natural sciences, computer science, education, engineering and technology. The courses for Mathematics minor are as follows:

Required Courses (8 Credits)

- [MATH1201](#) Calculus I
- [MATH2202](#) Calculus II

Elective Courses (9 credits)

Three courses must be chosen from the following:

- [MATH2203](#) Calculus III
- [MATH2210](#) Differential Equations
- [MATH2255](#) Discrete Structures
- [MATH3220](#) Linear Algebra
- [MATH3237](#) Probability and Statistics I
- [MATH3341](#) Advanced Engineering Math

To take any course in the minor, a student must meet all prerequisites for that course.

[Back to Top](#)

Mechanical Engineering Technology Minor

(for non-mechanical engineering technology majors)

The minor in Mechanical Engineering Technology consist of 15 credits and is relevant to students with appropriate mathematics and science backgrounds. This minor provides students with the fundamental aspects of Mechanical Engineering Technology, and it can bring them additional employment opportunities and career options. To take any course in the minor, a student must meet all prerequisites for that course. The course distribution is as follows:

Required Courses (12 credits)

- [EGTM2232](#) Mechanical Measurement and Devices (3 credits)
- [EGTM2235](#) Manufacturing Processes (3 credits)
- [EGTM3248](#) Mechanical Technology Design I (3 credits)
- [EGTM3250](#) Mechanical Technology Design II (3 credits)

Elective (3 credits)

One course must be chosen from the following:

- [EGTG2221](#) Statics (3 credits)
- [EGTG2228](#) Strength of Materials (3 credits)
- [EGTG3351](#) Applied Thermodynamics (3 credits)
- [EGTG3431](#) Dynamics (3 credits)
- [EGTG4224](#) Process and Electro/Mechanical Control Systems Technology (3 credits)
- [EGTG4225](#) Industrial Automation (3 credits)
- [EGTG4254](#) Fluid Mechanics (3 credits)
- [EGTM4356](#) Stress and Vibration Analyses (3 credits)

[Back to Top](#)

Medical Humanities Minor

The Medical Humanities minor provides an interdisciplinary and interprofessional approach to investigating and understanding the profound effects of illness, disease, and health on patients, healthcare professionals, and the social worlds in which they live and work.

The minor is designed for students who are planning to pursue careers in Medicine, healthcare policy, health law, psychology, public and/or global health, social work,

patient advocacy, health journalism, bioethics, or healthcare management. The minor is recommended for students majoring in pre-med, nursing, philosophy, sociology and social work, public health, pre-law, biology, allied health.

The minor is offered through the Department of Literature, Languages, Writing, and Humanities in Becton College of Arts and Sciences.

Required Courses (3 credits)

HUMN2700 Medical Humanities

Elective Courses (12 credits)

Students must select 12 credits from the list of elective courses. At least 2 of the 4 courses should be from arts and humanities (A) and at least 2 should be from the natural and social sciences (B and C).

A. Humanities

- CREW2017 Health/Healing-Telling Story (3 Credits)
- MEDT1130 Bioethics (3 Credits)
- LITS2701 Health & Healing (3 Credits)
- LITS2702 Literary Perspectives on Mental Health/Mental Illness (3 credits)
- LITS2703 Literary Perspectives on Disability (3 credits)
- LITS2704 Literary Perspectives on Health, Illness, and Death (3 credits)
- LITS2705 Literary Perspectives on Aging (3 credits)
- PHIL1440 Biomedical Ethics (3 Credits)
- PHIL2258 Ethical and Moral Analysis of Science (3 Credits)
- PHIL2351 Medical Law and Ethics (3 Credits)

B. Social Sciences

- ANTH1202 Cultural Anthropology (3 Credits)
- PSYC1201 General Psychology (3 Credits)
- PSYC3306 Psychology of Aging (3 Credits)
- PSYC3307 Human Sexuality (3 Credits)
- PSYC3510 Death and Dying (3 Credits)

- [PSYC3330](#) Health Psychology (3 Credits)
- [PSYC3335](#) Cognitive Psychology (3 Credits)
- [PSYC3430](#) Psychology of Gender (3 Credits)
- [SOCI1201](#) Introduction to Sociology (3 Credits)
- [SOCI2951](#) Health and Illness (3 Credits)
- [SOCI3318](#) Health & Society: Access & Issues (3 Credits)

C. Natural Science

- [BIOL1001](#)/[BIOL1011](#) Principles of Modern Biology (4 Credits)
- [BIOL1005](#) Current Topics in Biology (4 Credits) can be tailored to cover relevant topics
- [BIOL1010](#) Human Sexuality I (3 Credits)
- [BIOL1045](#) Viruses and Society (4 Credits)
- [BIOL1060](#)/[BIOL1061](#) Genetics and Society (4 Credits)
- [BIOL1090](#)/[BIOL1091](#) (Lab) Human Biology and Health (4 Credits)
- [BIOL1106](#)/[BIOL1116](#) Over-the-Counter Drugs (4 Credits)
- [BIOL1110](#) Medical and Pathological Terminology (2 Credits)
- [BIOL1205](#)/[BIOL1207](#) Anatomy and Physiology I (4 Credits)
- [BIOL1233](#)/[BIOL1234](#)/[BIOL1235](#) Molecules, Cells & Genes (4 Credits)
- [BIOL2203](#)/[BIOL2223](#) Human Anatomy and Physiology I (4 Credits)
- [PUBH1001](#) Introduction to Public Health (3 credits)

[Back to Top](#)

Music Minor

The 15-credit music minor gives students a basic grounding in music history and theory. In addition to the required courses noted below, students can study a range of subjects such as surveys of special music genres (theater music, film music, popular music, world music, and so on); performance in vocal and instrumental ensembles; and private lessons in voice, a wide variety of instruments and composition.

The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Requirements

Required Courses (9 credits)

- MUSIC2211 Survey of Music: Ancient to 1800
- MUSIC2212 Survey of Music: 1800 to Today
- MUSIC2221 Fundamentals of Music Theory

Electives (6 credits)

All courses are 3 credits except where indicated otherwise.

- MUSIC1015 / THEA1015 Basic Vocal Technique
- MUSIC1020 / MUSIC1022 / MUSIC1023 / MUSIC1024 / MUSIC1025 / MUSIC1026 / MUSIC1027 / MUSIC1028 Chorus I-VIII (1 credit)
- MUSIC1021 Popular Music and Jazz
- MUSIC1050 / MUSIC1052 / MUSIC1053 / MUSIC1054 / MUSIC1055 / MUSIC1056 / MUSIC1057 / MUSIC1058 Band I-VIII (1 credit)
- MUSIC1361 / MUSIC1362 / MUSIC1363 / MUSIC1364 / MUSIC1365 / MUSIC1366 / MUSIC1367 / MUSIC1368 Private Instruction in Bass I – VIII
- MUSIC1375 / MUSIC1386 / MUSIC1387 / MUSIC1388 / MUSIC1425 / MUSIC1426 / MUSIC1427 / MUSIC1428 Private instruction in Piano I-VIII (1 credit)
- MUSIC1376 /MUSIC1380 / MUSIC1401 / MUSIC1402 / MUSIC1405 / MUSIC1406 / MUSIC1407 / MUSIC1408 Private instruction in Voice I-VIII (1 credit)

- MUSIC1377 /MUSIC1378 / MUSIC1379 / MUSIC1381 / MUSIC1435 / MUSIC1436 / MUSIC1437 / MUSIC1438 Private instruction in Woodwinds I-VIII (1 credit)
- MUSIC1391 /MUSIC1392 / MUSIC1393 / MUSIC1394 / MUSIC1415 / MUSIC1416 / MUSIC1417 / MUSIC1418 Private instruction in Guitar I-VIII (1 credit)
- MUSIC1396 / MUSIC1397 / MUSIC1398 / MUSIC1399 / MUSIC1411 / MUSIC1412 / MUSIC1413 / MUSIC1414 Private Instruction in Violin I – VIII
- MUSIC1441 / MUSIC1442 / MUSIC1443 / MUSIC1444 / MUSIC1445 / MUSIC1446 / MUSIC1447 / MUSIC1448 Private Instruction in Strings I – VIII
- MUSIC2015 Vocal Technique II
- MUSIC2205 Music for the Movies
- MUSIC2339 / THEA2339 Musical Theater Workshop
- MUSIC3344 /THEAH3344 History of the Musical
- MUSIC4800 Independent Study in Music (1–3 credits)

Back to Top

Musical Theater Minor

The 15-credit musical theater minor enables students interested in this subject to take a series of basic courses in acting, singing, and dance, followed by choices in a more specific area of dance or musical theater. This minor is available to non-theater arts majors. Minors are also encouraged to audition for or to crew departmental productions in either of FDU's two theaters: Dreyfuss Theater and the Barn Theater. Between these spaces, the School of the Arts mounts a full season of productions each year including musicals, providing opportunities for hands-on application of classroom learning.

The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Required Courses (9 credits)

- DAN1320 Beginning Dance (3) OR DAN2600 Theater Dance (3)
- THEA1015/MUSIC1015 Basic Vocal Technique (3) OR

MUSIC1376 Private Voice I (1) and MUSIC1380 Private Voice II (1) and MUSIC1401 Private Voice II (1)

- THEA1110 Introduction to Acting (3)

Choose 6 credits from the following (6 credits)

- THEA1111 Introduction to Acting 2
- DAN2020 Basic Tap (3) +
- DAN2021 Ballet 1 (3) +
- DAN2506 Movement for the Actor
- MUSIC2221 Fundamentals of Music Theory
- THEAH3344/MUSIH3344 History of the Musical
- THEA3336 Acting for TV and Film (3) (with prerequisite)
- MUSIC3398 FDU at the RSC: Musical Theater Cabaret*
- THEA3361 Stage Production and Crew 1 (1)
- THEA3362 Stage Production and Crew 2 (1)
- THEA3363 Stage Production and Crew 3 (1)
- THEA1005 Makeup for the Stage (1)

*FDU at the RSC courses are provided through a partnership with the Royal Shakespeare Company and *Stepping Stone Performing Arts* on FDU's Wroxton campus in England. See fdu.edu/rsc for further details.

+More advanced dancers may substitute an alternative dance course by permission of Cindy Thole Loewus, Head of Dance.

For Information

Stacie Lents, Director of Theater Arts Program Professor of Theater
School of the Arts, Maxwell Becton College of Arts and Sciences lents@fdu.edu
973-443-8397

Philosophy Minor

The philosophy minor is for students not majoring in philosophy. It is offered by the Department of Literature, Languages, Writing and Humanities, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

Requirements

Required Courses (6 credits)

- [PHIL1101](#) Introduction to Logic
- [PHIL1102](#) Introduction to Philosophy

The remaining 9 credits can be any courses with the PHIL prefix.

In special cases, with departmental permission, other courses (HUMN, RELI, LITS, GOVT/POLI, etc.) can be substituted.

For Information

Matthieu Boyd, Chair, Department of Literature, Languages, Writing and Humanities, Maxwell Becton College of Arts and Sciences

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[Back to Top](#)

Physics Minor

The Department of Chemistry, Biochemistry, and Physics offers a minor in physics, as well as a wide range of physics courses for science and non-science majors.

The emphasis for the physics minor is on fundamental concepts, analytical methods, and critical thinking skills. A physics minor is an excellent addition to any Liberal Arts major, in which the goal is to produce a well-rounded person with the knowledge and skills to succeed in any field. If a student is interested in becoming more knowledgeable in physics and loves learning for its own sake, a physics minor is an outstanding way to begin to do so, while at the same time gaining valuable transferable skills and ways of thinking.

The 18-20 credit Physics minor is designed for students who enjoy physics and are interested in gaining a broader exposure to physics concepts, experimental techniques, and computational paradigms, while at the same time gaining transferable skills and ways of thinking applicable to jobs within their primary field of interest.

Required courses (12 credits)

PHYS2203 University Physics I
PHYS2201 Physics I
PHYS2204 University Physics II
PHYS2202 Physics II
PHYS3206 Modern Physics
PHYS3216 Lab: Modern Physics

Elective courses (6-8 credits)

Take 6-8 additional credits from PHYS at the 2000 level or above, or, take 3-4 additional credits from PHYS at the
2000 level or above and one of the following 3-credit courses:

CHEM3242 Physical Chemistry II
EENG3266 / EGTE3266 Electronics II
MATH3371 / CSCI3371 Modeling and Simulation

"A little-known secret is that a physicist is one of the most employable people in the marketplace – a physicist is a trained problem solver. How many times have you heard a person in a workplace say, "I wasn't trained for this!" That's an impossible reaction from a physicist, who would say, instead, "Cool!"
— Neil deGrasse Tyson

Playwriting Minor

The 15-credit playwriting minor offers students a hands-on introduction to playwriting within its theatrical context. This minor is available to all those who are not already theater arts majors. It is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey. Minors are also encouraged to work on departmental productions in either of FDU's two theaters.

Required Courses (9 credits)

- THEA1110 Introduction to Acting
- THEAH2255 or CREWH2255 Playwriting and Dramatic Structure
- THEAH1201 Development of the Theater I: Ancient to Elizabethan OR

[THEAH1202](#) Development of the Theater II: Restoration to Today

Choose 6 credits from the following:

- [THEA2005](#) Directing I (3)
- [FILM2250](#) Screenwriting I (3)
- [THEAH3337](#) Night at the Theater (3)
- [THEAH1201](#) Development of the Theater I: Ancient to Elizabethan
- [THEAH1202](#) Development of the Theater II: Restoration to Today
- [LITS3388](#) FDU at the RSC: Shakespeare's Blueprint, from Page to Stage* (3)
- [THEA3361](#) Stage Production and Crew I (1)
- [THEA3362](#) Stage Production and Crew II (1)
- [THEA3363](#) Stage Production and Crew III (1)

*FDU at the RSC courses are provided through a partnership with the Royal Shakespeare Company and *Stepping Stone Performing Arts* on FDU's Wroxton campus in England*. See fdu.edu/rsc for further details.

For Information

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[Back to Top](#)

Political Communication Minor

The 15-credit Political Communication minor exposes students to an array of academic skills, substantive knowledge, and professional experiences that will help them analyze, understand, and deploy political discourse in a variety of forms including campaign materials, media coverage, rhetoric, advertisements, constituent communications, persuasive writing, and more technical communication and correspondence. The minor addresses issues such as public opinion formation, strategic communication, press-state relations, communication between publics, political participation, and international relations.

Required Courses (6 credits):

- COMM2204 Introduction to Human Communication (formerly COMM2001)
- GOVT2045 Public Opinion **or** GOVT2526 Polls and Surveys **or** GOVT3040 Politics and the Media*

*If one of these courses is selected as a Required Course it cannot also be selected as an Elective Course (below)

Elective Courses (9 Credits): (At least one course from Communication and one from Political Science from the list below)

- COMM2443 Media Ethics
- COMM3011 Introduction to Journalism
- COMM3012 News writing
- COMM3015 Political Reporting
- COMM3016 News editing
- GOVT1000 American Government and Politics
- GOVT2015 Campaigns and Elections
- GOVT2045 Public Opinion
- GOVT2070 Women & American Politics
- GOVT2216 Current Events in Politics
- GOVT2300 Citizenship, Service & Civic Engagement
- GOVT2400 Political Ethics

- [GOVT2400](#) Social Analysis
- [GOVT2526](#) Polls and Surveys
- [GOVT3040](#) Politics and the Media
- [GOVT3801](#) Current Events Seminar
- [GOVT4498](#) or [GOVT4499](#) Internship in Political Science (approval of instructor required)

[Back to Top](#)

Prelaw Minor

The 15-credit Prelaw Minor provides students with the substantive background and specific skills for success in law school as well as basic exposure to legal systems and concepts. The Prelaw minor targets these areas for development:

- clear, concise, organized writing
- logic and reasoning skills
- oral argument and advocacy
- effective argument construction and assessment
- exposure to legal thinking and terminology

Required Courses

Choose nine credits from the following:

- [GOVT1200](#)/ [CMLGY1210](#) Introduction to Law (3 credits); OR
- [GOVT3240](#)/ [CMLGY3308](#); [SOCI3334](#) Law and Society (3 credits);

AND

- GOVT3200/ CMLGY3200 American Constitutional Law (3 credits) ; OR
- GOVT3210/ CMLGY3307 Civil Liberties / Civil Rights (3 credits);

AND

- GOVT3496/ CMLGY3496 Legal Externship (3 credits); OR
- GOVT4496 Legal Internship (3 credits); OR
- CMLGY3397 Internship in Criminology (3 credits); OR
- GOVT2281, GOVT2282, GOVT2283 Mock Trial (3 credits)

Major Electives

Choose an additional six credits from the following:

- GOVT1200; CMLGY1210 Introduction to Law (3 credits)
- GOVT2030; CMLGY2030 The Supreme Court (3 credits)
- GOVT2200; CMLGY2200 Comparative Constitutional Law (3 credits)
- GOVT2230; CMLGY2230 Judicial Process (3 credits)
- GOVT2281, GOVT2282, GOVT2283 Mock Trial (3 credits)
- GOVT3200; CMLGY3200 American Constitutional Law (3 credits)
- GOVT3210; CMLGY3307 Civil Liberties / Civil Rights (3 credits)
- GOVT3240; CMLGY3308; SOC3334 Law and Society (3 credits)
- GOVT3220; CMLGY2333; SOCI3333 Criminal Law (3 credits)
- GOVT3226; CMLGY3226 Criminal Procedure (3 credits)
- GOVT3245; EDUC3245 School Law (3 credits)
- GOVT3250 Racial Justice and Social Policy (3 credits)
- GOVT3496; CMLGY3496 Legal Externship (3 credits)
- GOVT3810; CMLGY3810; LITS3810 Politics, Law & Literature (3 credits)
- GOVT4402 Philosophy of Law (3 credits)
- GOVT4200 The Constitution (3 credits)
- GOVT4496 Legal Internship (3 credits)
- CMLGY1306 Intro to Crime and Criminology (3 credits)
- CMLGY2317 Probation and Parole (3 credits)
- CMLGY2701 Penology (3 credits)
- CMLGY3397 Internship in Criminology (3 credits)

- [HIST3250](#); [CMLGY3250](#) Crime & Punishment in South Africa (3 credits)
- [HIST3251](#); [CMLGY3251](#) Crime & Punishment in Latin America (3 credits)
- [PHIL1432](#) & [PHIL2432](#) Philosophy of Law (3 credits)
- [LAW2276](#) Business and the Law (3 credits)

[Back to Top](#)

Professional Selling and Sales Management Minor

The 15-credit professional selling and sales management minor is offered for business and non-business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey, and at the Metropolitan Campus, Teaneck, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Due to prerequisite courses, some, not all, minors are only open to students in the Silberman College of Business. Any student interested in pursuing a minor at Silberman College should contact an adviser in the Silberman Academic Advising Office . Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Requirements

- [MGMT2600](#) Organizational Behavior
- [MKTG3341](#) Professional Sales and Sales Management ([MKTG2120](#) Principles of Marketing is a prerequisite for this course.)
- [WMA4380](#) Client Relations in Financial Management or [MGMT4380](#) Client Relations

Select two electives:

- [MGMT3620](#) Leadership and Personal Development
- [MGMT3700](#) Human Resources Management
- [MKTG4272](#) Consumer Behavior
- [WMA3335](#) Personal Financial Management

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

- Accounting (business students only)
- Business Administration (for non-business students)
- Data Science (Florham only)
- Digital Marketing
- Economics
- Entrepreneurship (Florham only)
- Environment of Business (for non-business students)
- Finance (business students only)
- Financial Planning and Wealth Management
- Human Resources
- Leadership
- Marketing (business students only)
- Sustainability (Florham only)

Psychology Minor

Metro Campus

A minor in psychology for non-psychology majors consists of 15 credits beyond the core.

One Required Foundation Course (3 credits)

- PSYC1201 General Psychology

Three Required Major courses (9 credits) from the following:

- PSYC2210 Statistics
- PSYC2204 Child Development
- PSYC2234 Social Psychology
- PSYC2211 Research Methods [Prerequisite: PSYC2210 Statistics or equivalent in major (e.g., DSCI2130 Business Statistics)]
- PSYC3005 Abnormal Psychology
- PSYC3015 Theories of Personality

One Psychology elective (3 credits)

Florham Campus

The only required course for psychology minor is PSYC_1201 (General Psychology). After taking PSYC_1201 they can take any 4 psychology courses of their choice.

Back to Top

Public Health Minor

The Public Health minor presents students with a valuable opportunity to augment their major studies by acquiring an introduction to the domain of public health. Completing the minor serves as valuable preparation for various career paths, including the health professions, social work, business, law, psychology, and more.

Required Courses (16 credits)

- PUBH1001 Introduction to Public Health (3 credits)
- BIOL1105/BIOL1115 Human Biology and Health

or

- BIOL2203/BIOL2223 The Human Environment (4 credits)
- MATH1133 Applied Statistics (3 credits)

or

- SOCI1200 Introduction to Sociology (3 credits)

or

- PSYCH2210 (3 credits)
- COMM1105 Intercultural Communication (3 credits)

or

- SOCI2951 Sociology of Health and Illness (3 credits)

Note: It is highly recommended that students take PHIL1103 Ethics or NURS3209">NURS3209 Bioethics or BIOL4405 Science and Ethics 3 credits to fulfill the Ethical Reasoning category of the gen ed.

Public Relations Minor

Required Courses (6 credits):

- [COMM2004](#) Public Relations Principles
- [COMM3035](#) Public Relations Writing

Elective Courses (9 credits) from the following:

- [COMM3004](#) Organizational Communication
- [COMM3030](#) Events Planning for the PR Professional
- [COMM3244](#) Public Relations Campaigns
- [COMM4480](#) Crisis Communication in a PR Context
- [FILM1501](#) Cinematic Storytelling
- [PSYC1201](#) General Psychology
- [PSYC3310](#) Social Psychology
- [PSYC3318](#) Psychology of Everyday Persuasion (Wroxton option)

Science Minor

Minor in Science for non-Science Majors:

Required 16 credit minor

- [BIOL1221](#) Biological Diversity
- [BIOL1222](#) Lab: Biological Diversity
- [BIOL1223](#) Rec: Biological Diversity
- [BIOL1233](#) Molecules, Cells, & Genes
- [BIOL1234](#) Lab: Molecules, Cells, & Genes
- [BIOL1235](#) Molecules, Cells & Genes Rec
- [CHEM1201](#) General Chemistry I
- [CHEM1211](#) REC: General Chemistry I
- [CHEM1203](#) General Chemistry Lab I
- [CHEM1202](#) General Chemistry II
- [CHEM1212](#) General Chemistry II
- [CHEM1204](#) General Chemistry II

A grade of C- or better is required for all courses in this minor.

[Back to Top](#)

Screenwriting and Dramatic Writing Minor

The 15-credit screenwriting/dramatic writing minor is designed for students interested in studying the art and craft of writing for the screen and/or stage. The rationale for the

required courses for this minor is that knowledge of all forms of creative and dramatic writing contribute to each other and are necessary for a student to become a well-rounded writer no matter what the format. The most talented, acclaimed, and successful screenwriters and playwrights often cross genres.

Required Courses (9 Credits)

- FILM2250 Screenwriting I
- FILM2251 Screenwriting II
- CREWH2255 Playwriting and Dramatic Structures

Electives (6 Credits)
Select two (2) of the following courses:

- FILM3303 Advanced Screenwriting I
- FILM3304 Advanced Screenwriting II
- COMM3006 Narrative Communication
- THEA3255 Advanced Playwriting
- CREW2002 Creative Writing: Fiction

Back to Top

Social Justice Advocacy Minor

The 15-credit social justice advocacy minor is offered by the department of criminology and criminal justice, Maxwell Becton College of Arts and Sciences, at the Metropolitan Campus, Teaneck, New Jersey.

CRIM1135 Social Justice & Structural Inequality (Fall – Required)
CRIM1112 Race, Gender, & Criminal Justice (Spring – Required)

Select any 3 courses

CRIM1130 Working with Children & Families (Spring)
CRIM2204 Juvenile Justice & Delinquency (Fall/Spring)
CRIM1125 Intro to Social Justice Advocacy (Fall)
CRIM2208 Victimology (Fall/Spring)
CRIM3320 Interviewing & Counseling (Fall)
CRIM3324 Community Resource Mgt. (Spring)
CRIM3326 Rehabilitative & Reentry Strategies (Fall)
CRIM2203 Crime and Inequality (Spring)
CRIM3307 Domestic Violence (Fall/Spring)

Back to Top

Social Media Minor

The 15-credit Social Media Minor, offered at both Florham and Metro, prepares students to work as social media managers on behalf of brands and organizations as well as for a variety of positions in tech companies. It is for students who are interested in exploring the impact of social media on our society as well as how social platforms are designed and how they can be utilized effectively. Students will explore how social networks' algorithms and community standards can be crafted to have a positive social impact. They will also learn how to use social networks to build relationships with audiences.

Required

COMM2205 The Social Impact of Social Media

Elective

Take 12 credits from among:

- [COMM2206](#) Managing Social Media Accounts
- [COMM3204](#) Managing Social Media Crises
- [COMM3208](#) The Ethics of Social Media
- [COMM3207](#) The Business of Influencers
- [COMM4205](#) The Work from Home Revolution
- [COMM2207](#) Digital Media Presentations
- [COMM2004](#) Principles of PR
- [COMM3035](#) Public Relations Writing
- [COMM3051](#) Communication and Gender
- [COMM3004](#) Communicating in Organizations
- [COMM3006](#) The Power of Storytelling

[Back to Top](#)

Sociology Minor

Required (3 credits)

- [SOCI1201](#) Introduction to Sociology

Electives (12 credits)

- Any four (4) courses in sociology (SOCI) for which prerequisites have been met

[Back to Top](#)

Spanish Minor

Spanish is the second-most-spoken language in the world, and the U.S. has the world's second-largest population of Spanish speakers. A Spanish minor can be a valuable credential in many fields: business, nonprofits, education, healthcare. It represents at least a reasonable level of proficiency in the language and reasonable familiarity with Spanish literature and culture, and can represent much more than that depending on the level of courses taken. Even if you're already proficient in Spanish, the minor is an excellent way to polish and to show off what you know.

FDU's Spanish minor is five 3-credit courses with the prefix SPAN, starting at an appropriate level, or 15 credits of combined coursework and equivalencies (including credit-bearing exams such as AP and CLEP). If you're at all uncertain about your level or the courses you should take, take our placement test or consult with any member of the Spanish faculty.

Required Courses

- SPAN1001 Beginning Spanish I and SPAN1007 Spanish Practicum I (Florham Campus)/ SPAN1101 (Metro Campus)
- SPAN1002 Beginning Spanish II and SPAN1008 Spanish Practicum II/ SPAN1102 (Metro Campus)

Beginners should take the first-year courses SPAN1001 (Beginning Spanish I) and SPAN1002 (Beginning Spanish II), offered on the Florham Campus, or SPAN1101 (Elementary Spanish I) and SPAN1102 (Elementary Spanish II), offered on the Metro Campus. The difference is that 1001 and 1002 have a corequisite 1-credit practicum (SPAN1007 and SPAN1008 respectively). Although normally required, these practica do not count toward the 15 credits for the minor.

Elective Courses

- Take an additional 9 credits of SPAN electives. One course (3 credits) of which can be taught in English and come from an appropriate department (History, Literature, Humanities, etc.).
- Additional electives are available at Drew University under our reciprocity agreement, and at our global partner institutions through Study Abroad.
- In special circumstances, the chair of the School of the Humanities will consider substituting relevant courses with other prefixes (LANG, LITS, HIST, HUMN, etc.).

For Information

Matthieu Boyd, Chair, Department of Literature, Languages, Writing and Humanities, Maxwell Becton College of Arts and Sciences
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[Back to Top](#)

Speech Minor

The 15-credit speech minor is useful for students planning careers in which effective oral communication is essential, such as law, teaching, broadcasting, the performing arts, hotel management, tourism, advertising, and public relations. For international students, it would be an ideal minor, since it would enable them to enhance their speaking facility.

Students interested in this minor must complete 15 credits from the following 3-credit courses:

- [COMM1106](#) Interpersonal Communication

- [COMM2557](#) Radio Broadcast Workshop
- [SPCH1105](#) Voice Production and Articulation
- [SPCH1155](#) Public Speaking
- [SPCH2153](#) Speech and Voice Improvement
- [SPCH2217](#) Speech for Broadcasters
- [SPCH2318](#) Oral Presentations
- [SPCH2351](#) Persuasive Speaking
- [SPCH2353](#) Speech: Small-group Discussion
- [SPCH4430](#) Selected Studies in Speech
- [THEA2205](#) Acting: Theory and Practice I

[Back to Top](#)

Sport Management Minor

The 18-credit sport management minor is offered by the International School of Hospitality, Sports, and Tourism Management at the Florham Campus, Madison, New Jersey; Metropolitan Campus, Teaneck, New Jersey; and online.

Requirements

- SPAD2004 Introduction to Sport Management
- SPAD2010 Legal Issues in Sports
- SPAD2022 Facility Management
- SPAD2025 Global Perspectives in Sports
- SPAD3000 Fiscal Concepts in Sports
- Appropriate SPAD course from the list below or an approved course by the sport management adviser.

- o SPAD2014 Ethical Issues in Sports
- o SPAD2015 Team Development
- o SPAD2018 Sports Internship I
- o SPAD2019 Sports, Marketing, Public Relations
- o SPAD2020 Fundraising in Sports
- o SPAD3003 Sports and Society
- o SPAD4000 International Sports Course (Wroxton) or an approved course by the sport management adviser

For Information

Robyn Lubisco, Director of the Sport Management Program (Florham Campus), International School of Hospitality, Sports, and Tourism Management
Associate Professor of Sport Management
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Jong-Chae (J.C.) Kim, Director of the Sport Management Program (Metropolitan Campus), International School of Hospitality, Sports, and Tourism Management
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Donald Hoover, Associate Director of Enrollment, International School of Hospitality, Sports, and Tourism Management
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Studio Arts Minor

The 15-credit minor in studio arts will prepare students in the fundamentals of two-dimensional and three-dimensional visual language, allowing them to express themselves in a range of methods and materials.

These courses instill in students the conceptual foundations for understanding the creative process as well as the technical skills to implement their ideas. Student art exhibitions and faculty-led trips to museums and galleries enrich the learning experience.

The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Requirements

Required Courses (12 credits)

- ART1201 Drawing I
- ART1225 Painting I (or ART1231 2-Dimensional Design I)
- ART1235 Sculpture I (or ART2233 3-Dimensional Design)
- ART1315 Ceramics I

Select any one of the following (3 credits)

- ART3452 Watercolor Painting
- ART1250 Art of the Graphic Novel
- ART1260 Ceramic Character Sculpture
- ART2061 Animal Sculpture
- ART2316 Ceramics II
- ART2326 Painting II
- ART3302 Life Drawing
- ART3337 Life Sculpture

These classes are offered on a varied rotational schedule and are not offered every semester. Adding these two courses as options will allow greater flexibility and choices for students wishing to complete the Studio Arts Minor.

For Information

Douglas Cochrane, Fine Arts Program Director, School of the Arts, Maxwell Becton College of Arts and Sciences

Professor of Art, douglas_cochrane@fdu.edu

973-443-8640

Judith Moonelis, Fine Arts Program Director, School of the Arts, Maxwell Becton College of Arts and Sciences

Professor of Fine Arts and Studio Art, judy_moonelis@fdu.edu

973-443-8643

Sustainability Management Minor

The 15-credit sustainability management minor is offered for business and non-business majors by the Silberman College of Business at the Florham Campus, Madison, New Jersey.

To have the selected minor recorded on the transcript, students must earn a cumulative grade point ratio of 2.00 or better in the minor. In general, courses that count toward the declared major do not count toward the minor. The main exception to this rule applies to students in the business administration major, who can apply a maximum of two

qualifying courses toward both their major and a minor; other exceptions are noted specifically in each minor.

Due to prerequisite courses, some, not all, minors are only open to students in the Silberman College of Business. Any student interested in pursuing a minor at Silberman College should contact an adviser in the Silberman Academic Advising Office . Current students should refer to their degree audit in Self-Service for the most accurate program requirements.

Requirements

- [DSCI3502](#) Value Chain Management for Sustainability
- [MGMT3400](#) Managing Sustainability in the Global Context
- [MGMT4490](#) Guided Internship in Sustainability Management or a social entrepreneurship course approved by the chair of the management and entrepreneurship department.
- [MKTG3501](#) Marketing for a Sustainable World

Select one elective:

- [BIOL1070](#) , [BIOL1071](#) Ecosystem and Environmental Science Lecture and Laboratory (Silberman College and Maxwell Becton College of Arts and Sciences non-science majors)
- [BIOL1180](#) Climate Change Biology (Becton College non-science majors)
- [BIOL2049](#) , [BIOL2050](#) Ecology Lecture and Laboratory (Becton College science majors)
- [CHEM1027](#) , [CHEM1028](#) Chemistry for the Global Citizen Lecture and Laboratory (Silberman College and Becton College non-science majors)
- [PHYS1010](#) , [PHYS1020](#) Physics of Sustainable Energy Lecture and Laboratory (Silberman College and Becton College non-science majors)
- [PHYS1201](#) , [PHYS1202](#) Physics for the Global Citizen Lecture and Laboratory (Silberman College and Becton College non-science majors)

Please consult an adviser to determine if one of the above electives will count toward general education science requirements.

For more information

Contact an advisor in the Silberman Academic Advising Office

Other minors to consider:

-
  - Accounting (business students only)
  - Business Administration (for non-business students)
  - Data Science (Florham only)
  - Digital Marketing
  - Economics
  - Entrepreneurship (Florham only)
  - Environment of Business (for non-business students)
  - Finance (business students only)
  - Financial Planning and Wealth Management
  - Human Resources
  - Leadership
  - Marketing (business students only)
  - Sales

[Back to Top](#)

Television Production Minor

The 15-credit minor in Television production will provide students with an introduction to the language of broadcast television. Upon completion of the minor, students will better understand the process of TV program production, be able to analyze the strengths of different genres in the medium, and be able to create short programs in digital format.

The minor is offered by the School of the Arts, Maxwell Becton College of Arts and Sciences, at the Florham Campus, Madison, New Jersey.

Requirements

Required Courses (6 credits)

- [VDEO3349](#) Introduction to Television
- [CINE1360](#) History of Television

Elective Courses (9 credits)

Choose three from the following:

- [FILM2255](#) TV News and Magazine Production
- [FILM3430](#) Reality TV Production
- [VDEO3351](#) TV Studio Production
- [FILM4465](#) Client-driven Video Production I
- [FILM4475](#) Corporate Video Production II (pre-req is [FILM4465](#))

[Back to Top](#)

Theater Arts Minor (Metro)

The School of the Arts, Maxwell Becton College of Arts and Sciences, offers a 15-credit theater arts minor for non-art and non-fine arts majors at the Metropolitan Campus, Teaneck, New Jersey.

Students who desire a theater arts minor, and who are not majoring in fine arts, may enroll in this program. A selection of courses totaling at least 15 credits, and arranged with the guidance of a fine arts adviser, is required.

Requirements

A minor in theater for non-fine arts majors consists of 15 credits beyond the core.

Required Courses

- THEA1110 Introduction to Acting (3 credits)
- THEAH1103 Introduction to Theater (3 credits)

Electives:

Take 9 credits from the following:

- THEA1111: Introduction to Acting 2
- THEAH2255/CREWH2255 Playwriting and Dramatic Structure
- LITS3553 Shakespeare and Film
- LITS3213 Shakespeare I
- LITS3214 Shakespeare II
- DAN1320 Beginning Dance
- DAN2601 Modern Dance
- DAN2021 Ballet I
- DAN2700 Hip Hop
- DAN1130 Jazz
- SPCH1155 Public Speaking
- LITS3388 FDU at the RSC: Shakespeare's Blueprint, from Page to Stage*
- SPCH3368/THEA3368 FDU at the RSC: Shakespeare in Practice, Acting*
- THEA3378 FDU at the RSC: Shakespeare in Practice, Design, & Management*
- MUSIC3398 FDU at the RSC: Musical Theater C

*FDU at the RSC courses are provided through partnership with the Royal Shakespeare Company and *Stepping Stone Performing Arts.*

For Information

Stacie Lents, Director of Theater Program, Maxwell Becton College of Arts and Sciences
Professor of Theater
lents@fdu.edu
973-443-8397

[Back to Top](#)

Web Design Minor

In this 15-credit minor students will explore the field of web design, learning the industry standard tools and software for the development of personal and commercial websites for the computer and mobile devices. A focus is on design, composition, color therapy, typography, interaction, and responsive design.

Required Courses (9 credits)

CGD1313 Creative imagery with Photoshop
CGD3303 Web Design
CGD3315 Word Press, Wix, and Widgets

Elective Courses (6 credits)

Select two of the following courses:

CGD2810 Ui/UX Design
CGD3305 Dynamic Design
CGD3377 Web Design II

For Information

Janet O'Neil, Director, Graphic Design Program, School of the Arts, Maxwell Becton
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Professor of Computer Graphics

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973-443-8470

Website Design and Development Minor

Metro Campus

The minor in Website Design and Development consists of 15 credits. The minor provides students with a foundation in web-site design and development, and it can enhance their career and employment opportunities. The courses for the Web-site Design and Development minor are as follows:

Required Courses (12 Credits)

- CGD1177 Introduction to Digital Media
- CSCI1105 Survey of Computers and Computer Software
- INFO2105 Internet & Web Applications
- INFO2106 Web-site Design and Management

Elective Courses (3 Credits)

With the approval of the GHSCSE Director or their designee, students may take a higher level INFO or CSCI courses as an elective.

One course must be chosen from the following:

- INFO3201 Human Computer Interface
- INFO3205 Digital Media Publishing

To take any course in the minor, a student must meet all prerequisites for that course.

Florham Campus

Web Design Minor

In this 15-credit minor students will explore the field of web design, learning the industry standard tools and software for development of personal and commercial web sites for the computer and mobile devices. A focus is on design, composition, color therapy, typography, interaction, and responsive design.

Required Courses (9 credits)

- CGD1313 Creative imagery with Photoshop
- CGD3303 Web Design
- CGD3315 Word Press

Elective Courses (6 credits)

Select two of the following courses:

- CGD3358 Project Based Web Design
- CGD3360 Business for Graphics
- CGD3361 Mobile Web Design
- CGD3362 Mobile App Design
- CGD3373 Email Blast Design and Implementation
- CGD3374 Online Ad Design and Implementation
  CGD3376 Contemp HTML and CSS
- CGD3380 Social Media Marketing Design
- CGD3385 Ecommerce Design

- [ANIM1850](#) 3D Computer Modeling
- [ANIM1750](#) Motion Graphics with After Effects

[Back to Top](#)

UNDERGRADUATE CERTIFICATES

Computer Programming Undergraduate Certificate

The computer programming undergraduate certificate provides students with broad-based expertise in computer programming languages, including Python, Java and C++. There are more than 200 contact hours of class instruction.

This 15-credit certificate is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering at the Metropolitan Campus, Teaneck, New Jersey.

Prerequisites

A high school diploma

Curriculum Plan

15 credits (5 courses) to be chosen from the following. To take any course in the certificate, the student must meet all the pre-requisites for the course.

- [CSCI1105](#) Survey of Computers and Software
- [CSCI1201](#) Computer Programming I
- [CSCI1202](#) Computer Programming II
- [CSCI2215](#) Introduction to Computer Science
- [CSCI3268](#) Database Systems
- [CSCI2234](#) Data Structures and Algorithms

[Back to Top](#)

Game Development Undergraduate Certificate

The certificate program in computer game development consists of 15 credits. This certificate program provides students with a basic foundation in computer game development. The problem-solving and critical thinking skills acquired through this certificate program are essential skills needed to be successful in life and in the workplace. The courses for a certificate program in computer game development within the Gildart Haase School of Computer Sciences and Engineering are as follows:

Curriculum Plan

Required courses (9 credits)

- [CSCI1201](#) Computer Programming I
- [CSCI1202](#) Computer Programming II
- [CSCI3317](#) Computer Game Programming

Electives (6 credits)

Two courses must be chosen from the following:

- [INFO3201](#) Human Computer Interface
- [CGD1178](#) Multimedia on the Internet
- [CDG2274](#) 3D Visualization
- [CGD2294](#) 3D Multimedia

[Back to Top](#)

Information Technology Undergraduate Certificate

The courses for the 15 credit Certificate in Information Technology prepare students to apply the principles of computer networking, programming, and multi-media to an office, business or industry environment. It can help students assume responsibilities involving IT system planning, installation and maintenance in offices.

The certificate is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering at the Metropolitan Campus, Teaneck, New Jersey.

To take any course in this certificate program, a student must meet all the prerequisites for that course.

Curriculum Plan

FDU's certificate program in Information Technology includes any six of the following courses.

- [INFO2101](#) Computer Programming for Information Technologists I
- [INFO2105](#) Internet and Web Applications

- [INFO2106](#) Web Site Design and Management
- [CSCI3268](#) Database Systems
- [INFO4101](#) Data Communications and Computer Networks I
- [INFO4102](#) Data Communications and Computer Networks II
- [INFO4201](#) IT Needs Assessment and Management
- [INFO4891](#) Network and Information Security

[Back to Top](#)

Mechanical Engineering Technology Undergraduate Certificate

This mechanical engineering technology certificate program, tailored to the needs of mechanical contractors (in the areas of HVAC, steam and product piping, etc.), prepares students for an exciting and financially rewarding career in mechanical engineering technology. This 15-credit certificate program is designed to expand the students' technical skills.

The certificate is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering at the Metropolitan Campus, Teaneck, New Jersey.

Curriculum Plan

Prerequisites

Student must take [EGTG3351](#) for [EGTM4040](#), and [EGTM4040](#) for [EGTM4041](#)

At least 15 credits (5 courses) are needed to earn the certificate.

- [EGTC3261](#) Estimating I

- [EGTG4254](#) Fluid Mechanics
- [EGTG3351](#) Applied Thermodynamics
- [EGTG4224](#) Process & Electromechanical Control Systems
- [EGTC4263](#) Project Management & Control I
- [EGTC4264](#) Project Management & Control II
- [EGTC4260](#) Contracts and Specifications
- [EGTM4040](#) Heating, Ventilation, Air Conditioning
- [EGTM4041](#) HVAC Controls

[Back to Top](#)

Network and System Administration Undergraduate Certificate

This certificate program has been developed by FDU's highly experienced faculty to prepare students to assume responsibilities involving IT system planning, installation and maintenance in business and industries. Students learn the fundamentals of operating systems, networking and information security, and they obtain hands-on lab experience in these subjects. Looking ahead, employment opportunities in network administration are expected to be above average in the overall IT sector. Students must complete 15 credits of required courses and will be eligible to receive a certificate in this area. Moreover, students are encouraged to obtain professional certifications to enhance their career objectives.

Curriculum Plan

Required Courses

- [INFO2101](#) Computer Programming for Information Technologists I

- [INFO4101](#) Data Communication & Computer Networks I
- [INFO4102](#) Data Communication & Computer Networks II
- [INFO4201](#) IT needs Assessment & Management
- [INFO4891](#) Network & Info Security
- [INFO4278](#) Operating Systems

To take any course in the certificate program, a student must meet all the prerequisites for that required course.

Sport Management Undergraduate Certificate

This 18-credit, 6-course certificate in Sport Management is designed for individuals interested in pursuing sports and recreation professionally.

Required courses

- [SPAD2004](#) Introduction to Sports Administration
- [SPAD2010](#) Legal Aspects in Sports Administration

Select four courses from the following:

- [SPAD2012](#) Nutrition and Wellness
- [SPAD2013](#) Exercise Physiology
- [SPAD2014](#) Ethical Issues in Sports
- [SPAD2015](#) Team Development
- [SPAD2016](#) Stress Management
- [SPAD2017](#) Safety, First Aid, and Prevention of Injury

Website Design and Development Undergraduate Certificate

The website design and development certificate program prepares students for an exciting and financially rewarding career in website design, development and management. Students who complete this certificate program will have hands-on learning in social, corporate or individual website design, development, maintenance and management. Additionally such knowledge will be readily applicable to showcase major findings, events and educational materials in any discipline or career. Students from different majors, including liberal arts, and professionals from various careers are strongly encouraged to pursue this certificate.

The 15-credit certificate is offered by the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering at the Metropolitan Campus, Teaneck, New Jersey.

Curriculum Plan

Required courses (12 credits)

- [CSCI1105](#) Survey of Computers and Computer Software
- [INFO2105](#) Internet and Web Applications
- [CGD1177](#) Introduction to Digital Media
- [INFO2106](#) Web-Site Design and Management

Electives (3 credits)

One course must be chosen from the following:

- [INFO3201](#) Human Computer Interface
- [INFO3205](#) Digital Media Publishing

To take any course in the certificate program, a student must meet all the prerequisites for that course.

With the approval of the GHSCSE Director or their designee, students may take other higher level INFO or CSCI courses as elective.

[Back to Top](#)

FACULTY & ADMINISTRATION

Faculty

Faculty

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Director

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