Get your combined Bachelor’s + Master’s Degree in less time with the

4+1 program

FIU Engineering & Computing
The combined B.S. & M.S. Degree Program is an accelerated program designed for outstanding undergraduate students currently enrolled in the college who wish to pursue their M.S. degree while completing in the college their B.S. degree.

Students are able to complete both degrees in less time by taking advantage of the overlapping courses which would be used to satisfy both the bachelor’s and master’s degree requirements.
Admission Requirements

Admission into this program requires current enrollment in an engineering Bachelor of Science degree program at FIU. Additionally, you must have at least 30 credits to pursue before the completion of your bachelor’s degree program at FIU and no fewer than 75 credits of degree requirements completed. You must also meet the admissions criteria for the graduate degree program to which you are applying. Please refer to each of the respective program’s course catalog for more information.

Admission Process Checklist

General Requirements

- Graduate Application/$30 application fee

Additional Requirements for International Students

- Bank and sponsor letter
- Declaration and Certification of Finances

Departmental Requirements

- GRE (depends on chosen major)
- Letter of intent
- Letters of recommendation
- Resume
- Supplemental application form (check with the academic unit)
Department of Biomedical Engineering
FIU’s Department of Biomedical Engineering (BME) is a nationally recognized resource for biomedical engineering education, training and research in Florida, and is a model for servicing the needs of the clinical medicine and biomedical industries through workforce and technology development.

Home to cutting-edge research, award-winning faculty, remarkable students and groundbreaking laboratories, BME meets medical needs with engineering expertise to produce valuable innovations that enhance health care and hold the promise of greatly improving people’s lives.

Combined BS / MS (4+1) program:
• BS/MS in Biomedical Engineering

Contact Information
FIU Engineering Center
EC 2600
P| 305-348-6950
F| 305-348-6954
Department of Civil and Environmental Engineering
A leading resource for civil and environmental engineering research and education in the southeast U.S., FIU’s Department of Civil and Environmental Engineering (CEE) is home to first-class academic programs, expert faculty members and world-class research centers equipped with state-of-the-art facilities.

From the buildings we live in to the roads we drive on to the water we drink, the contributions of civil and environmental engineers affect our lives on a daily basis. CEE is working to educate a new generation of civil and environmental engineers who will ensure the safety and sustainability of the roads, homes, bridges and environmental resources of the future.

**Combined BS / MS (4+1) program:**
- BS/MS in Civil Engineering
- BS in Civil Engineering / MS in Environmental Engineering
- BS/MS in Environmental Engineering

**Contact Information**
FIU Engineering Center
EC 3680
P| 305-348-2824
F| 305-348-2802
Department of Electrical and Computing Engineering
FIU’s Department of Electrical and Computer Engineering (ECE) is a leading resource for electrical and computer engineering education, training, research and technology development in the United States, and a nationally recognized program driven by excellence in research.

Home to state-of-the-art research, award-winning faculty, outstanding students and world-class laboratories, ECE combines superior research infrastructure and renowned expertise to develop applied science that has a powerful impact on academic and scientific ventures.

**Combined BS / MS (4+1) program:**
- BS/MS in Computer Engineering
- BS/MS in Electrical Engineering

**Contact Information**
FIU Engineering Center
EC 3900
P| 305-348-2807
F| 305-348-3707
Engineering Management Program
A term you will hear in management circles these days is “interdisciplinary.” Companies have realized the importance of integrating coursework from connected fields – in this case, business and engineering. Strong leaders know that collaboration is key to successful projects.

Learn the business of engineering with programs designed to combine technology, law and business courses to prepare students with the broad knowledge and skills they need to successfully manage and lead today’s organizations.

**Combined BS / MS (4+1) program:**
- BS Biomedical Engineering / MS Engineering Management
- BS Computer Science / MS Engineering Management
- BS Computer Engineering / MS Engineering Management
- BS Electrical Engineering / MS Engineering Management
- BS Information Technology / MS Engineering Management
- BS Mechanical Engineering / MS Engineering Management

**Contact Information**
FIU Engineering Center
EC 3110
P| 305-348-2256
F| 305-348-3721
Department of Mechanical and Materials Engineering
The Department of Mechanical and Materials Engineering (MME) gives students a thorough understanding of the basic laws of science while stimulating and developing creative thinking, a professional attitude, economic judgment and environmental consciousness.

The goal of this department is to develop students’ potential to the fullest, preparing them for superior performance as engineers and providing them with the fundamental principles necessary for pursuing advanced study in the diverse fields of engineering, science and business.

Combining creativity with hand-on research, MME provides students in two dynamic fields a learning environment to foster skills needed to make a critical impact in areas such as manufacturing, high technology, energy systems and space exploration, as well as the design and development of new composite materials, alloys and coatings.

**Combined BS / MS (4+1) program:**
- BS / MS in Mechanical Engineering
School of Computing and Information Sciences
FIU’s school of Computing and Information Sciences (SCIS) is a premier institution for education, training, research and technology development in Florida. It is the second largest engineering college-based computer science degree-awarding program in the U.S.

Home to cutting-edge research, award-winning faculty, remarkable students and groundbreaking laboratories, SCIS brings together world-class research infrastructure and leading expertise to develop innovative technologies that have wide-ranging impact on academic and scientific ventures.

Combined BS / MS (4+1) program:
• BS / MS in Computer Science
• BS in Electrical Engineering / MS in Telecommunication and Networking

Contact Information
FIU Engineering Center
ECS 354
P| 305-348-2744
F| 305-348-3549
Our Facilities

The College of Engineering & Computing is housed at the university’s Engineering Center in West Miami-Dade, with its School of Computing and Information Sciences located at Modesto A. Maidique Campus, just minutes away.

The college has the following research facilities:

Solar Research Facility

A commercial-scale solar installation consisting of more than 4,400 solar panels powers research initiatives that will help further advance solar generation in Florida. The 1.4 megawatt solar array provides clean electricity to Florida Power & Light Company (FPL), and allows engineering faculty and students to use the installation to conduct important research on renewable energy.
Tech Station

Tech Station is an 8,000 sq. ft. hub for technology innovation, training and community engagement that attracts top computing talent. It exposes students to collaborative thinking in a modern tech office and lab setting. The next wave of software developers, systems administrators and data scientists are being home grown at Tech Station. Students learn and gain hands-on experience in Tech Station’s Advanced Systems Training, Software Design and Development, and IT Hardware and Services labs.

Wall of Wind (WOW)

FIU’s Wall of Wind is among eight labs in the country with the designation of “Experimental Facilities” under the Natural Hazards Engineering Research Infrastructure (NHERI) program, and one of only two nationwide dedicated to studying extreme wind events. WOW’s 12-fan is the largest and most powerful university research facility of its kind, capable of simulating Category 5 hurricane winds. NSF-funded researchers use the facility to work on wind engineering projects, and are part of a network of scientists who study various aspects of natural hazards.
Bachelor’s Degrees Awarded to Black or African-Americans by School
300 schools reported

Highest Ratio of Bachelor’s Degree Recipients to Faculty by School
(Minimum of 50 degrees awarded. 264 schools fit the criteria for this table. Faculty refers to teaching faculty).

Computer Science (inside Eng.) Degrees Awarded by School
(166 schools reported)

Electrical Engineering Degrees Awarded by School
(228 schools reported)
Highest Percentage of Doctoral Degrees to Foreign Nationals by School*¹

Bachelor’s Degrees Awarded to Hispanics by School *²

Research Expenditures by School

Computer Engineering Degrees Awarded by School (175 schools reported)

Bachelor’s Degrees Awarded to Women by School (300 schools reported)

Engineering Bachelor’s Degrees Awarded by School (300 schools reported)

*¹ Minimum of 25 doctoral degrees awarded. 116 schools fit this criterion.
*² 300 schools reported.
The FIU’s Engineering Center and FIU’s Modesto A. Maidique Campus are located in Miami. One of the most international cities in the hemisphere, Miami is an exciting and dynamic global marketplace and a major gateway to the Americas. The city is a crossroads for trade and travel and a world-class metropolis with rich cultural diversity.

Graduate Studies
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