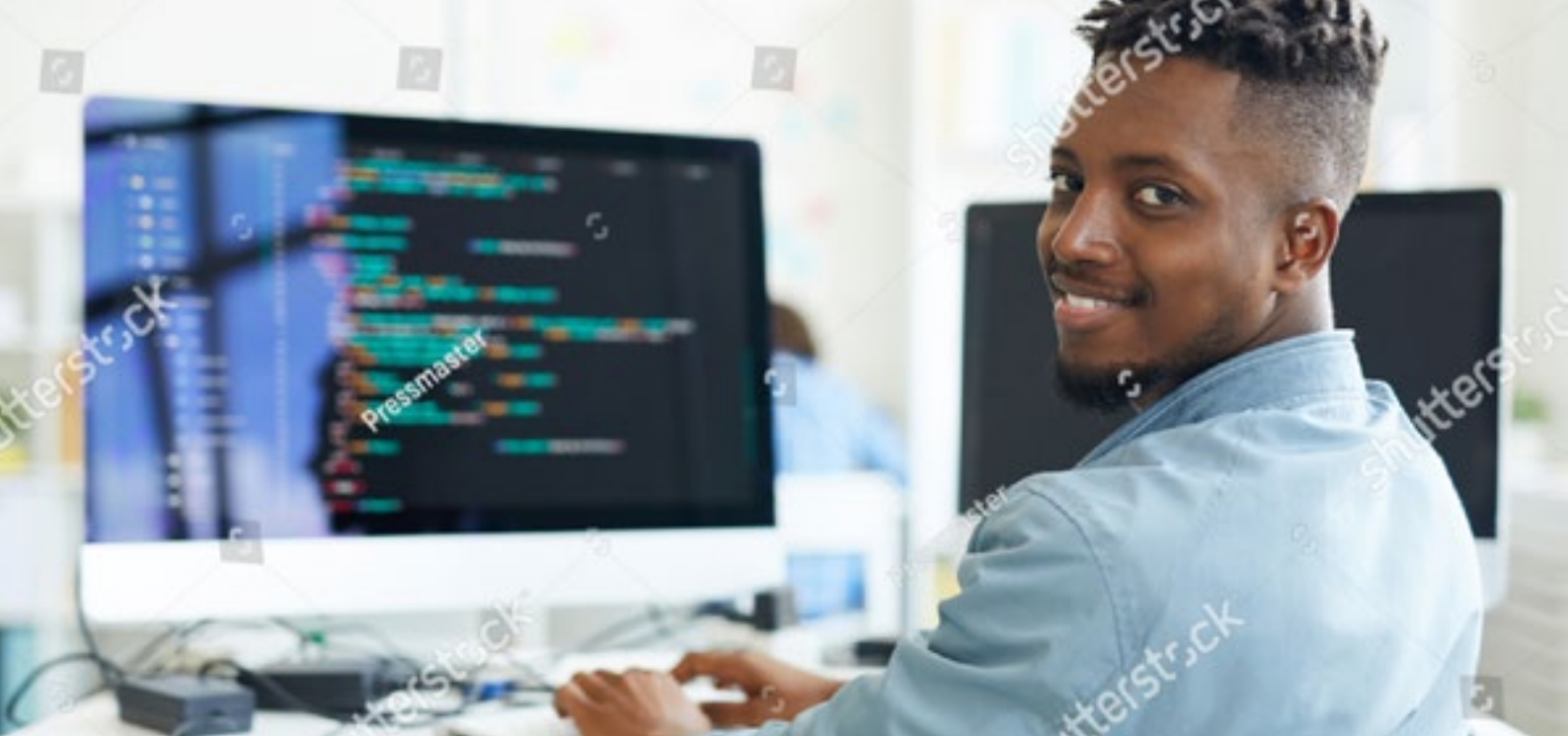


Professional Bachelor's Degree Computer Science



Touching Lives Through Technology
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ONLY TWO YEARS TO COMPLETE

The Department of Computer & Electrical Engineering and Computer Science at Florida Atlantic University (FAU) offers a Bachelor of Science in Computer Science Professional Program. The program is designed specifically for working professionals who may want to advance their careers with an accelerated undergraduate program and obtain a bachelor's degree in Computer Science while continuing to work in their professional careers. The Professional Program includes evenings, weekends and online materials using Canvas. This degree program requires 36 core computer science credits and 6 credits of computer science electives. The duration of each course may be four, eight or sixteen weeks depending on the course format. Students are normally expected to complete the program in two years.

Note: During Covid-19 Boca Raton campus restrictions, the program is offered fully online.



About the College

The FAU College of Engineering and Computer Science is internationally recognized for cutting-edge research and education in the areas of Computer Science and Artificial intelligence (AI), Computer Engineering, Electrical Engineering, Bioengineering, Civil, Environmental and Geomatics Engineering, Mechanical Engineering, and Ocean Engineering. Research conducted by our faculty and their teams expose our students to technology innovations that push the current state of the art of the disciplines. The College research efforts are supported by the National Science Foundation (NSF), the National Institutes of Health (NIH), the Department of Defense (DOD), the Department of Transportation (DOT), the Department of Education (DOE), the State of Florida, and Industry. The FAU College of Engineering and Computer Science offers degrees with a modern twist that bear specializations in areas of national priority such as artificial intelligence, cybersecurity, internet of things, transportation and supply chain management, and data science. The College newsletter (s.fau.edu/engineering-spring2020) highlights recent accomplishments. For more information about the College, please visit eng.fau.edu.

About the Department

The Department of Computer & Electrical Engineering and Computer Science is home to a vibrant community of faculty, students, staff, and alumni. The research and teaching expertise of the 45 faculty span diverse areas including artificial intelligence, data analytics, software development, machine learning, cyber security, robotics, cyber physical systems, cryptographic engineering, micro and nanotechnology in medicine, bioinformatics, sensors and Internet of Things, vehicular networks, and video communications. The research is funded by various agencies including NSF, NIH, DOE, DARPA, and industry. For the academic year 2019-2020, the faculty received over \$5.4M in funding for research grants. The Department offers three bachelor programs, seven master's programs, three PhD programs, and five certificate programs. New degree programs include the first Master of Science in Artificial Intelligence in Florida, Master of Science in Data Science and Analytics, and the new Professional Master of Science degree in Computer Science for working professionals. Some recent events that showcased our students' achievements were the industry-sponsored Hardware Hackathon, Undergraduate Senior Design Showcase, FAU 3MT and Poster competitions, and College Graduate Academic Excellence Awards. We invite you to learn more about the Department of Computer and Electrical Engineering and Computer Science at ceecs.fau.edu.

COURSE SCHEDULE

2020 - 2021

TERM	COURSE NAME	NUMBER	CREDITS
FALL 2020	INTRODUCTION TO PROGRAMMING IN C	COP 2220	3
	COMPUTATIONAL TOOLS FOR CS	COT 2930	3
	FOUNDATIONS OF COMPUTER SCIENCE	COP 3014	3
	STRUCTURED COMPUTER ARCHITECTURE	CDA 4102	3
SPRING 2021	DATA STRUCTURES AND ALGORITHM ANALYSIS	COP 3530	3
	INTRODUCTION TO INTERNET COMPUTING	COP 3813	3
	COMPUTER OPERATING SYSTEMS	COP 4610	3
	INTRODUCTION TO DATABASE STRUCTURES	COP 3540	3
SUMMER 2021	PRINCIPLES OF SOFTWARE ENGINEERING	CEN 4010	3
	FORMAL LANGUAGES AND AUTOMATA THEORY	COT 4420	3
FALL 2021	DESIGN AND ANALYSIS OF ALGORITHMS	COT 4400	3
	PYTHON PROGRAMMING (ELECTIVE 1)	COP 4045	3
	ENGINEERING DESIGN 1	EGN 4950C	3
SPRING 2022	ENGINEERING DESIGN 2	EGN 4952C	3
	INTRO TO AI (ELECTIVE 2)	CAP 4630	3

PROGRAM START DATES

TERM	START DATES
FALL 2020 (16 WEEKS)	SATURDAY, AUGUST 15, 2020
SPRING 2021 (16 WEEKS)	TUESDAY, JANUARY 5, 2021
SUMMER 2021 (8 WEEKS)	SATURDAY, MAY 15, 2021
FALL 2021 (? WEEKS)	TBD
SPRING 2022 (? WEEKS)	TBD



ADMISSION REQUIREMENTS

The minimum number of credits required for the Bachelor of Science with major in Computer Science is 120 credits. The following are requirements for the degree BS in Computer Science:

1. Satisfy all admission and degree requirements for the department.
2. Meet all University general requirements for the Bachelor of Science degree. This includes the completion of the Foreign Language Graduation Requirement, which usually requires students who are not native speakers of a language other than English to complete a second term college-level foreign language course.
3. Complete the computer science core courses with at least a 2.5 GPA and earn a grade of "C" or better in COT 3002 - Foundations of Computer Science and COP 3530 - Data Structures and Algorithm Analysis.
4. Complete required physics, calculus, and mathematics elective courses with at least a 2.5 GPA and a grade of "C" or better in each of the courses.
5. Earn a grade of "C" or better in Introduction to Programming in C.
6. Complete the requirements for Computer Science electives and other electives.

PROGRAM FEES



Total Cost

\$550 per credit-hour; total cost for 45 credit-hours is \$24,750. Note: prices subject to change.

Tuition is the same for Florida Residents and Out-of-State/International Residents.



Tuition Fees

Flexible payment plan and financial aid payment methods are available.



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FAU
DEPARTMENT OF COMPUTER &
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AND COMPUTER SCIENCE
College of Engineering & Computer Science
Florida Atlantic University