

The background of the entire page is a photograph of two students, a man and a woman, working together on a green printed circuit board (PCB). The man is on the left, looking down at the board with a slight smile. The woman is on the right, wearing glasses and a white hoodie, focused on the task. They are in a workshop or lab setting with purple and blue ambient lighting. The PCB is populated with various electronic components, including resistors, capacitors, and integrated circuits. A pair of purple-handled pliers is visible, being used to work on the board. The overall tone is professional and educational.

# **PROFESSIONAL BACHELOR OF ARTS COMPUTER SCIENCE**



## ONLY 2 YEARS TO COMPLETE

The Department of Electrical Engineering and Computer Science at Florida Atlantic University (FAU) offers a Bachelor of Arts in Computer Science (BACS) 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 (CS) while continuing to work in their professional careers. Students in the Professional Program typically take one or two courses at a time. Courses are offered over an 8-week period, with classes meeting every other Saturday. This program requires 36 CS core credits and 6 CS electives. Students normally complete the program in less than three years.





## 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, Computer Engineering, Data Science and Analytics, 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. For more information about the College, please visit [eng.fau.edu](http://eng.fau.edu).

## About the Department

The Department of 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 of computer science. For the academic year 2020-2021, the faculty received over \$5M in funding for research grants. The Department offers four 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 Bachelor, Master and PhD programs 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 Electrical Engineering and Computer Science at [eecs.fau.edu](http://eecs.fau.edu).

# SAMPLE COURSE SCHEDULE

SEMESTERS	COURSE NAME	NUMBER	CREDITS
SEMESTER 1	FOUNDATIONS OF COMPUTING	COT 2000	3
	INTRO TO PROGRAMMING IN PYTHON	COP 2034	3
SEMESTER 2	COMPUTER LOGIC DESIGN	CDA 3203	3
	DATA STRUCT AND ALGO ANALYSIS WITH PYTHON	COT 3410	3
SEMESTER 3	INTRO TO INTERNET COMPUTING	COP 3810	3
	INTRO TO DATABASE STRUCTURES	COP 3540	3
SEMESTER 4	COMPUTER OPERATING SYSTEMS	COP 4610	3
	INTO TO DATA SCIENCE AND ANALYTICS	CAP 4773	3
	PYTHON PROGRAMMING	COP 4045	3
SEMESTER 5	OBJECT-ORIENTED DESIGN AND PROGRAMMING	COP 4331	3
	PRINCIPLES OF SOFTWARE ENGINEERING	CEN 4010	3
	APPLIED DATABASE SYSTEMS	COP 4703	3
SEMESTER 6	CS ELECTIVE		3
	CS ELECTIVE		3



# ADMISSION REQUIREMENTS

Students seeking a bachelor's degree or graduate degree in another discipline must satisfy all admission requirements of the first B.A.C.S. at FAU.

## Degree Requirements

The minimum number of FAU credits needed to earn a second bachelor's degree in B.A.C.S. is 30 credits at the 3000 level or higher.

1. Students must have completed 36 credits of core courses in the B.A.C.S. program. Each course must be completed with a minimum grade of "C."
2. Students who do a second bachelor's degree must have completed 6 credits of Computer Science electives. Each course must be completed with a minimum grade of "C."
3. Students must have completed the math prerequisites necessary to take the core and elective courses in the program.

## PROGRAM FEES



### Total Cost

\$575 per credit-hour; for second bachelor students, the total cost for 42 credit-hours is

\$24,150. Note: prices subject to change.

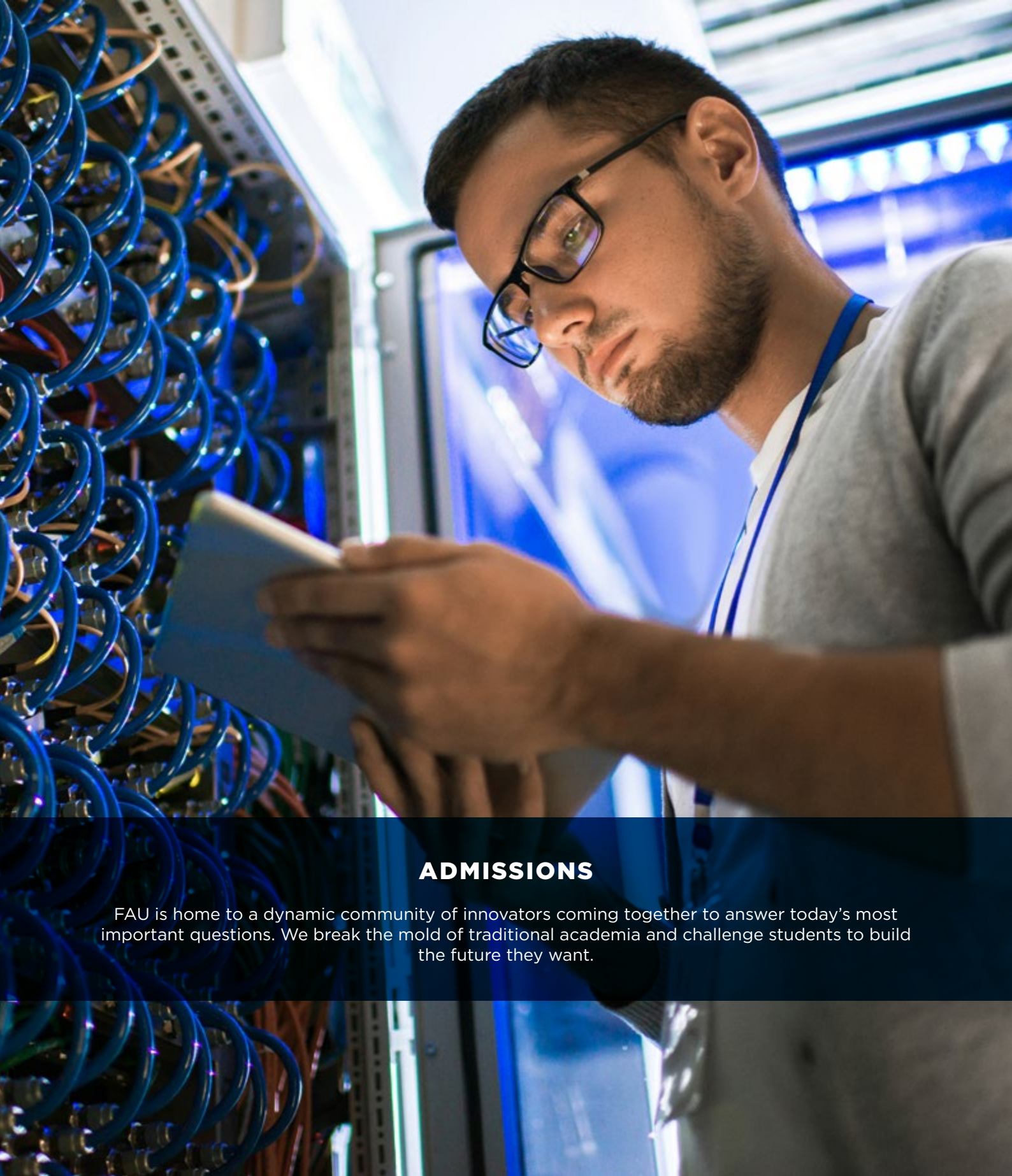
Tuition is the same for Florida Residents and Out- of-State/International Residents.



### Tuition Fees

Flexible payment plan and financial aid payment methods are available.





## ADMISSIONS

FAU is home to a dynamic community of innovators coming together to answer today's most important questions. We break the mold of traditional academia and challenge students to build the future they want.



DEPARTMENT OF  
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AND COMPUTER SCIENCE  
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