BACHELOR OF SCIENCE
Computer Science

FMU
FLORIDA MEMORIAL UNIVERSITY

SCHOOL OF
ARTS AND SCIENCES

PROGRAM DESCRIPTION

The focus of the Computer Science program is not only to teach students techniques and tools required in the industry, but also how to think logically and to be able to analyze and solve complicated problems. Students are taught the core principles of computer science, software systems, analytical problem-solving, leadership, and ethical decision-making.
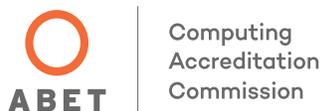
CAREER OPPORTUNITIES

Once this foundation is instilled and skills are perfected, the career choices in the field are virtually endless: Software Developers, Architects and Engineers, Web and System Developers, Programmers and Business Analysts, System Administrators, Application Support and Computer Systems Analysts, Information Technology Specialists, and many more. Upon graduation, our students are prepared for the competitive workforce. The average annual salary for computer science graduates in the United States is approximately $133,937[1].

DEGREE CHECKLIST

GENERAL EDUCATION - CORE REQUIREMENTS

Course No.	Course	Credits
FMU 101	University 101	2
CMT 102	Critical Thinking Info Age	2
ENG 101	College Writing I	3
ENG 102	College Writing II	3
COM 103	Intro To Public Speaking	3
HIS XXX	African Diaspora And The World	3
REL XXX	Religion And Philosophical Inquiry	3
XXX 201	World Languages I	3
XXX 202	World Languages II	3
XXX 200	Society & Global Inquiry (SOC/PSY)	3
XXX 200	Society And Global Inquiry (HUM/VPA)	3
CSC 101	Intro To Computers	3
	TOTAL	**34**

OTHER REQUIRED COURSES

Course No.	Course	Credits
MAT 112	Precalculus	3
MAT 113	Trigonometry	3
MAT 201	Calculus I	3
MAT 202	Calculus II	3
MAT 205	Probability & Statistics	3
MAT210	Discrete Mathematics	3
MAT3##	Advanced Mathematics Course	3
	Laboratory Science I w/ Labs	5
	Laboratory Science II w/ Labs	5
	Elective	3
	TOTAL	**34**

REQUIRED MAJOR COURSES

Course No.	Course	Credits
CSC 230	Computer Programming I	3
CSC 330	Computer Programming II	3
CSC 335	Data Structures	3
CSC 341	Computer Organization	3
CSC 360	Computer Operating Systems	3
CSC 375	Network & Data Communication	3
CSC 385	Artificial Intelligence	3
CSC 395	Software Engineering Principles	3
CSC 405	Programming Languages	3
CSC 430	Computer Programming III	3
CSC 475	Complexity & Anal Of Algorithms	3
CSC 483	Database Management Systems	3
CSC 490	Computer Ethics	3
CSC 493	Computer Security	3
CSC 494	Project Development	3
CSC 460	Senior Project	3
	Advance Computer Elective	3
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	TOTAL	**54**

ABET — Computing Accreditation Commission

The BS in Computer Science Program at FMU is accredited by the Computing Accreditation Commission of ABET.

[1]*ZipRecruiter*