



BACHELOR OF SCIENCE
Cybersecurity



SCHOOL OF
ARTS AND SCIENCES

PROGRAM DESCRIPTION

The Cybersecurity program educates students with the technical proficiency and analytical problem-solving techniques that protect organizational critical systems and infrastructure.



Florida Memorial University has been designated as a National Center of Academic Excellence in Cyber Defense recognized by the National Security Agency (NSA) of the United States of America.

CAREER OPPORTUNITIES

Graduates will be prepared to combat the threats that accompany technological advances, and the dangers that come with it, by learning critical thinking and problem-solving skills required to stay ahead. This degree prepares students for careers as Security Consultants, Engineers, Architects and Analysts, Incident Responders, Computer Forensic Experts, Security Software Developers and Auditors, and Chief Information Security Officers.

DEGREE CHECKLIST

FRESHMAN			
Prefix	Course No.	Course	Credits
CSC	101	Intro To Computers	3
MAT	111	College Algebra	3
		Religion and Philosophical Inquiry	3
FMU	101	University 101	2
COM	103	Intro To Public Speaking	3
		Society And Global Inquiry (HUM/VPA)	3
TOTAL - 1st SEMESTER			17
CSC	230	Computer Programming I	3
MAT	205	Probability & Statistics	3
ENG	102	College Writing II	3
		Scientific Inquiry	3
CMT	102	Critical Thinking Info Age	2
		Society and Global Inquiry (SSC)	3
TOTAL - 2nd SEMESTER			17

JUNIOR			
CSC	341	Computer Organization	3
CSC	360	Computer Operating Systems	3
CSC	345	Web Technology	3
CSC	375	Network & Data Communication	3
CSC	333	System Analysis & Design	3
		Electives	3
TOTAL - 5th SEMESTER			18
CSC	424	Computer Forensics	3
CSC	483	Database Concepts & Design	3
CSC	462	Cryptography And Network Security	3
CSC	355	Web Programming & Design I	3
CSC		Advanced Computer Elective	3
TOTAL - 6th SEMESTER			15

SOPHOMORE			
Prefix	Course No.	Course	Credits
CSC	330	Computer Programming II	3
MAT	200	Applied Calculus	3
CSC	211	Fundamentals Of Cybersecurity	3
		African Diaspora and the World	3
		Electives	3
		Scientific Inquiry I	3
TOTAL - 3rd SEMESTER			18
MAT	210	Discrete Mathematics	3
	205	Probability & Statistics	3
	202	World Languages	3
		Scientific Inquiry II	3
		Scientific Inquiry II Lab	1
		Electives	3
TOTAL - 4th SEMESTER			16

SENIOR			
CSC	491	Applied Analytics	3
CSC		Advanced Computer Elective	3
CSC		Advanced Computer Elective	3
CSC	493	Computer Security	3
TOTAL - 7th SEMESTER			12
CSC	446	Cybersecurity Management & Compliance	3
CSC	494	Software Project Development	3
CSC	490	Computer Ethics and Society	3
CSC	460	Senior Project	3
CSC	467	Cybersecurity Impl. -Ethical Hacking	3
TOTAL - 8th SEMESTER			15