

CYBERSECURITY MAJOR, B.S.

Course	Title	Credits
General Requirements		
General Education (https://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/)		
Mathematics Requirements ¹		
MATH 1830 or MATH 4030	Elementary Statistics Statistical Methods with Applications	3
MATH 2130 or MATH 2730	Discrete Structures Discrete Mathematics	3
Core Requirements ²		
COMPUTER 1010	Introduction to Computer Science	1
COMPUTER 1430	Introduction to Computer Programming	3
COMPUTER 2430	Object-Oriented Programming	3
COMPUTER 3230	Operating Systems	3
COMPUTER 3630	Database Design and Implementation	3
COMPUTER 3830	Data Communications and Computer Networks	3
SOFTWARE 2730	Introduction to Software Engineering	3
SOFTWARE 3730	Software Quality	3
CYB 2840	Introduction to Cybersecurity	3
CYB 3340	Ethical Hacking	3
CYB 3850	Cryptography	3
CYB 3910	Introduction to Network Security	3
CYB 3930	IT Security Management	3
CYB 3960	Software Security	3
CYB 4110	Cybersecurity Seminar	1
CYB 4730	Cybersecurity Project II	3
COMPENG 3010	Advanced Computer Networks	4
CRIMLJUS 1130	Introduction to Criminal Justice	3
CRIMLJUS 2630	Private Security Operations	3
ENGLISH 3000	Technical Writing	3
Elective Courses		12
Select 2 courses (6 credits) from the following in Criminal Justice and Forensics courses:		
CRIMLJUS 2850	White Collar Crime	
CRIMLJUS 2930	Foundations of Interviewing	
FORENSIC 4020	Courtroom Testimony and Evidence	
FORENSIC 4120	Cybercrime Investigations	
Select 6 additional credits in any one discipline with at least 3 credits at the 3000 level or higher. If Computer Science or Software Engineering is selected, the elective courses cannot be the required ones. If Mathematics is chosen, MATH 2130, MATH 2730, MATH 1830 and MATH 4030 cannot be counted. If English is chosen, ENGLISH 1130, ENGLISH 1230 and ENGLISH 3000 cannot be counted.		
Suggested Courses:		
COMPUTER 2630	Data Structures	
COMPUTER 3010	Algorithms	
COMPUTER 3520	Programming Language Structures	
COMPUTER 4030	Machine Learning	
SOFTWARE 3330	Intermediate Software Engineering	
SOFTWARE 3430	Object Oriented Analysis and Design	
COMPENG 3510	Computer Networks Applications	

¹ Cybersecurity majors must have a grade of "C-" or better in all required Math courses.

² Cybersecurity majors must have a grade of "C-" or better in all (Computer Science, Software Engineering, Cybersecurity and Criminal Justice) core requirement courses. Electives are excluded.