

Academic Certificate, Computer Science Cybersecurity

Code	Title	Credits
All required courses for the Academic Certificate must be completed with a grade of C- or higher.		
CS 1181	Computer Science and Programming I	3
CS 1337	Computer Organization and Architecture	3
CS 2281	Data Structures	3
CS 3309	Advanced Object-Oriented Programming	3
CS 3337	Secure Systems and Networks	3
CS 4416	Foundations in Cybersecurity and Resilience	3
CS 4417	Cybersecurity Threat Intelligence	3
CS 4461	Secure Operating Systems	3
CS 4465	Special Problems in Cybersecurity	3
or CS 4481	Compilers	
or ECE 4451 & 4451L	Embedded Systems Engineering and Embedded Systems Engineering Laboratory	
Total Credits		27