

CYBERSECURITY CERTIFICATE

Also available at OSU-Portland and via Ecampus.

As computer systems have become part of the fabric of modern society, system security has grown essential to the well-being of individuals, companies, the economy and life as we know it. A single security breach can expose the passwords, financial data and private personal information of hundreds of millions of people. This Undergraduate Certificate in Cybersecurity enables students to understand common threats to system security, assess security requirements for a new or existing system, implement secure solutions to counter threats, and evaluate systems to identify and address weaknesses. These skills will support future careers as cybersecurity analyst, cybersecurity engineer, information assurance technician, and security administrator. In addition, these skills will enable students to perform other jobs, such as software engineer and requirements analyst, with a higher level of proficiency and a lower risk of creating security flaws that threaten their users, their employers, their livelihoods, and their nation. For more information, visit the School of Electrical Engineering and Computer Science (<https://eecs.oregonstate.edu>).

Certificate Code: C300

Code	Title	Hours
Required Core		
CS 370	INTRODUCTION TO SECURITY	4
CS 373	DEFENSE AGAINST THE DARK ARTS	4
CS 427	CRYPTOGRAPHY	4
CS 477	INTRODUCTION TO DIGITAL FORENSICS	4
CS 478	NETWORK SECURITY	4
BA 482	INFORMATION SECURITY GOVERNANCE	4
Electives		
Select one course from the following:		3
BA 480	INFORMATION SYSTEMS SECURITY	
CS 434	MACHINE LEARNING AND DATA MINING	
CS 464	OPEN SOURCE SOFTWARE	
CS 475	INTRODUCTION TO PARALLEL PROGRAMMING	
CS 492	MOBILE SOFTWARE DEVELOPMENT	
CS 493	CLOUD APPLICATION DEVELOPMENT	
CS 496	MOBILE AND CLOUD SOFTWARE DEVELOPMENT	
Total Hours		27

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