

GRADUATE CERTIFICATE IN COMPUTER SECURITY AND INFORMATION ASSURANCE

The graduate certificate in computer security and information assurance provides a strong technical education in the security of computer systems and networks, as well as training in related policy issues. The program emphasizes concepts in computer security, augmented with current industry standard techniques and challenges. It provides an alternative to the full master of science degree program for practicing computer scientists and other information technology personnel who wish to extend their education beyond the bachelor of science level, and to those who wish to acquire up-to-date knowledge in the burgeoning field of computer and network security. Applicants are expected to have a bachelor's degree in computer science or related field, related preparation in science, mathematics, programming, and foundational computer science courses. Applicants who lack the necessary background may be required to take proficiency courses before taking courses toward the completion of the certificate.

The George Washington University has been recognized as a Center of Academic Excellence in Education-Research and by the National Security Agency (NSA) and the Department of Homeland Security (DHS).

Specific admission requirements are shown on the Graduate Program Finder. (<http://www.gwu.edu/all-graduate-programs>)

REQUIREMENTS

The following requirements must be fulfilled: 12 credits, including 6 credits in required courses and 6 credits in elective courses chosen from the list below.

Code	Title	Credits
Required		
CSCI 6531	Computer Security	
CSCI 6541	Network Security	
Elective		
Two of the following:		
CSCI 6331	Cryptography	
CSCI 6532	Information Policy	
CSCI 6542	Computer Network Defense	
CSCI 6547	Wireless and Mobile Security	
CSCI 6548	E-Commerce Security	
CSCI 8331	Advanced Cryptography	