

# GRADUATE CERTIFICATE IN COMPUTER SECURITY AND INFORMATION ASSURANCE

The graduate certificate program 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 objective of the certificate program in computer security and information assurance is to provide a coordinated four-course sequence that emphasizes concepts in computer security, augmented with current industry standard techniques and challenges. It provides an alternative to the full MS program for practicing computer scientists and other information technology personnel who wish to extend their education beyond the B.S. level, and to those who wish to acquire up-to-date knowledge in the burgeoning field of computer and network security.

Students will learn the essentials of computer and network security through two required courses, and will also have the opportunity to explore in further depth topics of specific interest through two electives. Electives are offered in topics such as information policy, wireless security, and cryptography, as well on advanced research topics in the various specialized areas of security.

GW 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).

Visit the program website (<https://www.cs.seas.gwu.edu/graduate-certificate-computer-security-and-information-assurance/>) for additional program information.

## ADMISSIONS

Admission deadlines: Fall – January 15

Spring – September 1  
Summer – March 1

**Prior academic records:** Transcripts are required from all colleges and universities attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Unofficial transcripts from all colleges and universities attended must be uploaded to your online application. Official transcripts are required only of applicants who are offered admission.

If academic records are in a language other than English, a copy in the original language and an English language translation must be uploaded. Transcript evaluations should not be uploaded. Applicants with degrees from Indian universities should upload transcripts and/or detailed marksheets.

**Statement of purpose:** In an essay of 250 to 500 words, state your purpose in undertaking graduate study at The George Washington University; describe your academic objectives, research interests, and career plans; and discuss your related qualifications, including collegiate, professional, and community activities, and any other substantial accomplishments not already mentioned.

**International applicants only:** International applicants requiring a visa from GW are not eligible to apply for admission to this program, but may apply for the MS, PhD, or a professional degree (AppSc or Engr) in computer science with an area of focus in computer security and information assurance.

For additional information about the admissions process visit the SEAS Admissions Frequently Asked Questions (<https://graduate.engineering.gwu.edu/admissions-frequently-asked-questions/>) page.

Contact for questions:

engineering@gwu.edu  
202-994-1802 (phone)  
202-994-1651 (fax)

Hours: 9:00 am to 5:00 pm, Monday through Friday

## REQUIREMENTS

Code	Title	Credits
<b>Required</b>		
CSCI 6531	Computer Security	
CSCI 6541	Network Security	
<b>Elective</b>		
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	
CSCI 8531	Advanced Topics in Security	