MASTER OF SCIENCE IN THE FIELD OF APPLIED COMPUTER SCIENCE (STEM)

The master of science in applied computer science program is designed to be accessible to those without a significant background in computing or mathematics who are interested in practical, hands-on skills for careers in software and information technology. The program focuses on core technical areas, such as databases and networks, for well-established software and information technology careers. Students with a bachelor's degree in any discipline are welcome to apply. Applicants must demonstrate completion of undergraduate-level coursework or proficiency in basic computer programing and software development as well as data structures and data structure applications. Questions regarding admissions requirements should be emailed to engineering@gwu.edu.

This is a STEM designated program.

Visit the program website (https://cs.engineering.gwu.edu/master-science-applied-computer-science/) for additional information.

ADMISSIONS

Admission deadlines:	Fall – July 1 (Gateway to CS program participants may apply by August 15 for a fall semester start)
	Spring – December 1
Standardized test scores:	Applicants are not required to submit GRE scores. Applicants who have not received a bachelor's, master's, or doctoral degree from a college or university in the United States or from an institution located in a country in which English is the official language, may be required to submit English language test scores; please follow the link for more information: https://graduate.admissions.gwu.edu/international-student-application-requirements (https://graduate.admissions.gwu.edu/international-student-application-requirements/).
Recommendations required:	Applicants are required to submit two letters of recommendation that attest to your abilities, maturity, determination, work ethic, independence, and capacity for studying online. Gateway to CS program participants do not have to submit any letters of recommendation.
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.
Statement of purpose:	Applicants are required to submit a statement of purpose explaining why you are interested in this program, and why you think you will succeed in an online program.
Additional requirements	GPA of 3.0 in at least three of four Gateway to CS program courses (CSCI 6001, CSCI 6002, CSCI 6003, CSCI 6004) or equivalents (if taken elsewhere) and a current CV.
International applicants only:	International students who require a student visa are not eligible for admission to this program.

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

The following requirements must be fulfilled: One 3-credit required course and 27 credits in elective courses. As this is a hybrid-mode program, students must, in addition to course requirements, attend a minimum of two non-credit bearing on-campus career or academic-related events each semester. Each attendance must be verified by a faculty or staff member also in attendance at the event and an attendance form must be submitted by the final day of each semester and approved by the student's faculty advisor. Notification of such events will be made through the department or advisor.

Code	Title	Credits
Required		
CSCI 6003	Introduction to Software Design and Engineering	
Electives		
27 credits in elective courses approved by the advisor. Suggested elective courses are listed below; other graduate-level CSCI courses also can be approved. The advisor can approve up to 6 credits of coursework to be taken outside the department if a compelling case for doing so can be made.		
Suggested elective options		
CSCI 4237	Software Design for Handheld Devices	
CSCI 6004	Introduction to Web Development	
CSCI 6231	Software Engineering	

CSCI 6114	Introduction to Computer Systems and Systems Programming *
CSCI 6116	Advanced Application Development
CSCI 6418	Unix Systems Administration
CSCI 6431	Computer Networks
CSCI 6441	Database Management Systems
CSCI 6451	Information Retrieval Systems
CSCI 6532	Information Policy
CSCI 6561	Design of Human–Computer Interface
CSCI 6562	Design of Interactive Multimedia

*Students cannot receive credit toward the degree for both CSCI 6011 and CSCI 6114.