

MASTER OF SCIENCE IN THE FIELD OF APPLIED COMPUTER SCIENCE

This program has a fall 2021 start date.

The master of science in applied computer science (ACS) 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 without the equivalent coursework in the gateway to computer science graduate certificate (<https://next.bulletin.gwu.edu/engineering-applied-science/computer-science/certificate-gateway-to-cs/>) should consider completing that certificate before entering the MS-ACS program.

REQUIREMENTS

The following requirements must be fulfilled: 3 credits in required coursework and 27 credits in elective courses.

Code	Title	Credits
Required		
CSCI 6116	Advanced Application Development	
Electives		
27 credits in elective courses, as approved by the advisor. If a student completes the gateway to computer science graduate certificate before beginning the MS program, credit for CSCI 6004 may be counted toward this program as well. Other graduate CSCI courses may be approved by the advisor. The advisor also may approve up to 6 credits of coursework taken outside the department if a compelling case can be made for such coursework.		
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 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.