Bachelor of Science in Cybersecurity

Department of Technology University of Southern Maine
John Mitchell Center, Gorham Campus

As the Internet becomes an ever increasing tool in both the corporate and government arenas, the need for cybersecurity increases as well, and with it, the need for skilled cybersecurity professionals. One of the fastest growing job markets, demand for cybersecurity professionals over the past five years grew 3.5 times faster than demand for other IT jobs and about 12 times faster than for all other jobs and according to the Department of Labor, demand for computer security specialists will grow as businesses and government invest more heavily in cyber security, in order to protect vital computer networks and electronic infrastructures from attack.

You’ll learn the techniques, policies, operational procedures, and technologies that secure and defend information systems in local and more broadly based domains. Courses include ethics in information technology, security policy analysis, network security, practical applications in cyber security management, and emerging technologies, such as network security and vulnerability assessment, information security, digital forensics, wireless device security and database security. Hands-on learning is an integral part of USM’s BCSC and in the MCSC Virtual Lab, students experience combating simulated cyber security attacks and develop experience that can be applied immediately in the workplace. You will work in teams, and solve problems leading cybersecurity experts face every day. Through your coursework, you will learn the in-demand skills that can help you qualify for high-paying jobs.

University of Maine System recognized as one of the nation’s premier academic leaders in the area of cybersecurity education

The federal government has recognized the University of Maine System (UMS) as one of the nation's premier academic leaders in the area of cybersecurity education. The National Security Agency (NSA) and Department of Homeland Security (DHS) has designated the UMS as a National Center of Academic Excellence in Information Assurance/Cybersecurity (CAE/IAE), a designation that honors schools excelling in the development of professionals who help protect national security information systems. Available through a partnership between USM, the University of Maine at Augusta and the University of Maine, Fort Kent, the Bachelor of Science in Cybersecurity incorporates a multi-disciplinary perspective that will provides students with the opportunity to take courses not only in technology and cybersecurity but also in the humanities, social sciences, ethics and communications. Required courses can be taken through a combination of live, on-line and blended classes. Enroll now in the BSCS and classes will begin in the spring, 2016 semester.

USM Spring, 2016 Course Offerings

ITT/COS 200 Introduction to Cyber Security (3 credits) Blended and On-line Portland Campus/MCSC Lab

ITT 181 Introduction to Computer Applications (3 credits) Location/Time TBA

ITT 385 Integrative Programming (3 credits) On-Line