

PROGRAM OVERVIEW

The **Cybersecurity** program exposes students to the competencies required for information systems and cybersecurity professionals at an entry level. The program introduces students to various aspects of cybersecurity, such as identifying the security needs of information systems, examining various risks to the security of information systems, implementing and maintaining security solutions, identifying the security issues in a legal context, using countermeasures to tackle hacking, and conducting security audits. Coursework is designed to teach skills and concepts needed to prepare for the Cisco Certified Entry Networking Technician (CCENT) and CompTIA CYSA+ Certification Exams.

UNIVERSITY CORE (46 hrs.)

Specific courses within the University Core are listed in the University catalog, located at catalog.macu.edu.

Bible/Theology (12 hrs.)
Communication (9 hrs.)
U.S. History and Government (6 hrs.)
Science (6 hrs. plus 1 hr. of lab)
Math (3 hrs.)
Social Sciences (3hrs.)
Humanities (6 hrs.)

ELECTIVES (16 hrs.)

For a list of recommended electives, please refer to the University catalog, located at catalog.macu.edu.



MAJOR CORE (60 hrs.)

BUAD 2503 Business & Professional Comm
BUAD 2113 Business Software Applications
MISE 1103 Hardware & Software Environment
MISE 1203 Basics of Networking
MISE 2103 Client-Server Networks I
MISE 2303 Client-Server Networks II
CMSC 1203 Foundations of Programming
MISE 2203 Physical Networks
CYBR 3003 Securing Information
CMSC 3123 Working with Data Structures
MISE 4213 Configuring Email and Web Services
MISE 4513 Advanced Networks (Routing & Switching)
CYBR 3103 Risk Management & IT Security
CYBR 3203 Network Communication, Infrastructure, and Technology
CYBR 3303 Authorization & Access Security
CYBR 3503 Securing Windows
CYBR 4503 Cloud Security
CYBR 4303 Hacking Techniques & Countermeasures
CYBR 4403 Introduction to Cybercrime Forensics
CYBR 4993 Cybersecurity Analyst

TOTAL REQUIRED HOURS: 122

Interested in learning more? *Contact us today!*

Phone: 888-888-2341

Email: enroll@macu.edu

WWW.MACU.EDU

