

### 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](http://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 (20 hrs.)

For a list of recommended electives, please refer to the University catalog, located at [catalog.macu.edu](http://catalog.macu.edu).



### MAJOR CORE (54 hrs.)

**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: 120**

Interested in learning more? *Contact us today!*

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