

CYBERSECURITYBACHELOR OF SCIENCE

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.

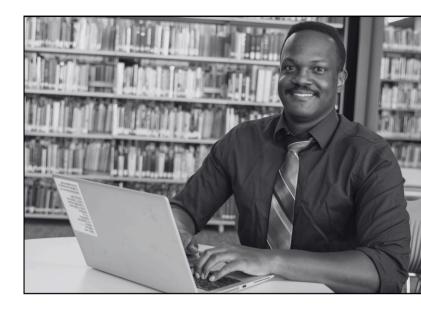
UNIVERSITY CORE (46 hrs.)

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

