MASTER OF SCIENCE IN CYBER SECURITY (M.S.)

Purpose

The Master of Science in Cyber Security program equips students with the hands-on skills needed to be a cyber-security professional. This program provides a balance between theory and practice, all of which is presented against a backdrop of Christian ethical values.

Program Learning Outcomes

The student will be able to:

- Evaluate emerging cyber security technologies.
- Design solutions, using cyber security knowledge, skills, and abilities, for practical scenarios.
- Comply with professional, ethical, legal, security and social responsibilities.
- Incorporate Christian worldview perspectives when addressing cyber security challenges.

Program Specific Admission Requirements

In addition to the general admission procedures, specific admission requirements for the Master of Science in Cyber Security program are as follows:

1. An earned baccalaureate degree or its equivalent from an institution accredited by an agency recognized by the U.S. Department of Education (e.g. SACSCOS, TRACS, ABHE, etc.). The baccalaureate degree must be in one of the following or related fields:
   - Information Systems
   - Information Systems Management
   - Information Technology
   - Management Information Systems
   - Computer Science
   - Computer Programming

   If a student does not have the appropriate Bachelor's degree, then the transcript will be evaluated for 3 semester credit hours and a minimum grade of "C" in each of the following:

Code	Title	Hours
CSIS 209	C# Programming	3
MATH 121	College Algebra (or higher)	3
MATH 201	Introduction to Probability and Statistics	3
CSIS 331	Networks	3

2. If a student does not meet any or all of the specific computer related undergraduate class requirements within the Bachelor's degree, a resume can be submitted indicating 5 years of IT experience (including a demonstration of knowledge in networking and programming). The resume will be reviewed by the Program Director.
3. An undergraduate cumulative GPA of 3.0 or above (on a 4.0 scale) for admission on good standing. Students that do not meet the minimum GPA of 3.0 (on a 4.0 scale) may be admitted on caution if they have a minimum GPA of 2.5-2.99.
4. TOEFL Scores for students who speak English as a second language (score of 600 paper-based test; 250 computer-based test, 80 internet-based test).

Transfer Credit

Students may transfer up to 18 hours of graduate-level credit from an institution accredited by an agency recognized by the U.S. Department of Education. In order to transfer credits, students must have earned the minimum grade of B-, and courses must have been completed within five (5) years of the start date of the student's program at Liberty University. Credits from a prior degree on the same academic level earned through Liberty University are considered transfer credits.

Program of Study
Delivery Format: Residential and Online

- Cyber Security (M.S.)

Career Opportunities

- Information Security Specialist
- Security Engineer
- Penetration Tester/Ethical Hacker
- Digital Forensics Analyst