The Master of Science in Cybersecurity program is a fully online program within the School of Engineering. It is a technical degree program designed to prepare a wide range of students to operate as cyber defenders for present-day and future information systems and networks.

The 30-credit Master of Science in Cybersecurity includes up-to-date security knowledge and skills in demand in today's workplace. These include principles of risk management, software security, cloud security and resilient systems. Both security theory and hands-on skills are developed, utilizing current security tools in cloud and on-ground environments. The coursework also embodies the knowledge units set forth by the National Centers of Academic Excellence in Cyber Defense Education (CAE-CDE). Degree coursework culminates with a capstone project that challenges students to examine the architecture of a complex system, identify vulnerabilities and determine the specific security defenses that should be employed.

For individuals working in the field seeking to fine-tune their current skill sets without immediately pursuing a complete degree, you may take any of the 1-credit courses, subject to program director approval. Any course taken will count as a stackable credential.

### Student Learning Outcomes
The mission of the MS in Cybersecurity program is to equip students to succeed as effective cyber defenders in a rapidly changing business and technology environment. Specific objectives include:

1. **Train** students to be able to apply risk management concepts to cybersecurity challenges.
2. **Enable** students to use and evaluate software to manage cybersecurity risk.
3. **Create** the next generation of cloud native security professionals.
4. **Enable** students to design, build and operate resilient systems that meet business objectives.

### Admission
Admission to Quinnipiac University's graduate programs is competitive. To be admitted to the MS in Cybersecurity program, a prospective student must have successfully completed a BS or BA degree in an accredited college or university.

There are then three paths to admission:

1. Undergraduate degree in computer engineering, software engineering or computer science OR
2. Successful completion of programming and data structures courses (CSC 110 and CSC 111 or equivalent) OR
3. At least two years of applicable work or military experience along with:
   - >1-year professional programming experience or
   - Successful completion of programming certificate