The M.S. in Cybersecurity Engineering program will have two options:

- **Thesis option**: This option consists of 10 courses (33 credits). Students are required to enroll in COMP 899 Master’s Thesis. The thesis track is designed for students to research, write, and defend a publishable-quality, graduate-level paper. In consultation with an advisor, each student develops a project plan and prepares a publishable-quality, graduate-level paper. The thesis track is designed for students who may be interested in pursuing further studies (i.e., a doctoral experience).

- **Capstone option**: This option requires the completion of 11 courses (33 credits). The capstone is a work-based project, internship experience, or other appropriate activity that integrates the skills and knowledge you developed during the degree program, along with your past experiences, areas of specialization and professional goals. In consultation with an advisor, each student develops a project plan and prepares a final project agreed upon by the student and advisor.

### Career Opportunities

Graduates of the Cybersecurity Engineering program are able to identify, analyze and respond to the complex information security threats that are increasingly common in today’s digital landscape. You’ll learn skills in core and advanced information security, preparing you to secure information, communications, networks and control systems for any organization.

### Requirements

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### Accelerated Master’s

This graduate program is approved to be taken on an accelerated basis in articulation with certain undergraduate degree programs.

### Student Learning Outcomes

- Analyze complex computing problems and identify solutions by applying principles of computing.
- Design, implement, and evaluate computing solutions that meet computing requirements with focus on security aspects.
- Communicate effectively in a variety of professional contexts.
• Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
• Function effectively as a member or leader of a team engaged in IT activities.
• Apply security principles and practices to maintain operations in the presence of risks and threats.