This program educates professionals for the fast growing and wide ranging information security and cyber security markets by providing foundations in the theory of information security as well as knowledge needed to properly design, implement and manage secured IT infrastructure and risks in an enterprise.

It provides students with a coherent framework for developing foundational knowledge within the multi-disciplinary field of global security studies and informs students of opportunities for internships and professional careers in the private and public sectors concerned with national and global security.

Students will learn the fundamentals of Cyber Security and Information Assurance leadership and decision making in both private and public enterprises. This includes planning, security assessment, and computer security ethics.

To earn the MS in Cyber Security and Information Assurance, students must complete all four required security courses, two elective security courses from the list, and at least 30 credit hours of course work. Courses must be chosen in consultation with an advisor.

An overall grade point average of B (3.0) or higher must be maintained in graduate-level courses with no more than two grades of C. Because of the rapidly changing nature of this field of study, computer science or related courses taken more than six years ago cannot be counted towards degree requirements unless the student has been continuously registered during the timeframe in question (excluding summers).

Students must choose one of the following three options in the program.

1. Internship option: CSIA 494 and nine additional courses.
2. Masters thesis option: CSIA 485, CSIA 490 and eight additional courses
3. Project option: CSIA 485, CSIA 499 and eight additional courses

Year 1
Fall | Credit Hours | Spring | Credit Hours
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CSIA 401 | 3 | CSIA 451 | 3
CSIA 411 | 3 | CSIA 438 | 3
Security Elective | 3 | Security Elective | 3

9 | 9
Year 2
Fall | Credit Hours | Spring | Credit Hours
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CSIA 485 or | 3 | CSIA 490, 494, or | 3
CSIA 4XX | 499 | 3 | CSIA 4XX | 3

6 | 6

Total Credit Hours 30

1. Choose from CSIA 409, CSIA 410, CSIA 414, or CSIA 475
2. Students will take an elective if completing the Internship option