Why The Citadel is Right for You
The Citadel is ranked by U.S. News & World Report as the No. 1 Best Public University in the South (2012 - 2017) offering up to a master’s degree. Within The Citadel Graduate College, 95% of the faculty have Ph.D.s or the highest degree offered in their particular discipline, which assures that students obtain the knowledge, skills and ideas needed to gain a competitive advantage in their career.

The Citadel is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, an institutional accrediting body recognized by the Council on Postsecondary Education. The Commission on Colleges of the Southern Association of Colleges and Schools accredits The Citadel to award bachelor’s, master’s, and specialist degrees.

For more information, please contact
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citadel.edu/cybersecurity
Information Systems: With an emphasis on analyzing business problems that lend themselves to software solutions, the Information Systems specialization prepares students for positions that involve analysis, design, and management of information processing systems.

Software Engineering: Using methodologies for designing and testing medium and large-scale software systems, the Software Engineering specialization prepares students for software engineering positions that require proficiency in specific areas of the software-development lifecycle: requirements gathering/definition, software quality assurance, and software testing and maintenance.

Degree Requirements
The Master of Science in Computer and Information Sciences degree is conferred upon those candidates who successfully complete an approved program of study consisting of a minimum of 33 semester hours of graduate credit (of which no more than nine may be transfer credit) with a cumulative GPA of 3.0.

All degree candidates must:
1. Complete the following four core courses for a total of 12 hours:
   - CSCI 601 Data Modeling and Database Design
   - CSCI 602 Foundations of Software Engineering
   - CSCI 603 Object-Oriented Design Patterns
   - CSCI 604 Distributed Computer Systems Architecture

2. Declare an area of specialization from among cybersecurity, software engineering, information systems, or computer science, and complete four courses

3. Complete one of the following three options for a total of 9 hours:
   - CSCI 699 Research Thesis (6 hours) plus one elective.
   - CSCI 698 Project Thesis (3 hours) plus two electives.
   - Three electives (9 hours).

Graduate Certificate in Cybersecurity
The Citadel’s Graduate Certificate in Cybersecurity prepares you to play a critical role in the world of Internet security. By the end of this program, students will be able to:

- Describe basic components of cybersecurity
- Characterize the security profile of different types of networks
- Analyze and use classical and public key cryptography algorithms
- Secure a system from different kinds of attacks
- Analyze security of a cybersystem and perform risk assessment
- Discuss legal and ethical issues relating to cybersecurity