



## ONLINE BACHELOR OF SCIENCE CYBERSECURITY

### Defend the Digital World

The University of South Carolina Aiken's online Bachelor of Science in Applied Computer Science, with a concentration in Cybersecurity, equips students with essential skills in data structures, algorithmic design, information security, software engineering, discrete math, and calculus. This comprehensive program prepares graduates to be integral members of any security team, defending against the challenges of a digitally connected world.

As the demand for cybersecurity experts grows, professionals in this field play a crucial role in detecting system vulnerabilities and safeguarding the availability, confidentiality, and integrity of information for industries, private citizens, organizations, and government agencies. A career in cybersecurity is not only lucrative and rewarding but also consistently exciting, given the increasing importance of information security in our innovative cloud-computing era.

### Curriculum

The core curriculum includes the following courses:

- **Computer Systems and Organization** - 9 credit hours
- **Algorithm and System Design** - 17 credit hours
- **Software Engineering** - 6 credit hours
- **Data Security** - 12 credit hours
- **Cyber Defense** - 7 credit hours

### Prerequisites and Requirements

To apply for this online degree program, students must have a preferred 2.0 cumulative GPA in all previous college-level coursework. In addition to 45-60 credit hours from a regionally accredited institution, students transferring to the program are encouraged to review the list of completed coursework needed for eligibility on the program's webpage.



### IN-DEMAND CAREERS

- Cybersecurity Analyst
- Information Security Analyst
- Network Security Engineer
- Incident Responder
- Security Architect
- Forensic Computer Analyst
- Cloud Security Specialist
- Compliance and Risk Analyst



### AVERAGE STARTING SALARY

**\$65,000-\$80,000**



### PROJECTED JOB GROWTH

The United States Department of Labor predicts well above average job growth for information security analysts. Demand is expected to increase 32% by 2032.



### EMPLOYERS HIRING CYBERSECURITY GRADUATES

- Tech Companies
- Financial Institutions
- Government Agencies
- Healthcare Providers
- Defense Contractors
- Telecom Companies
- Retail Companies



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