

# CYBERSECURITY, AN OPTION TO THE ASSOCIATE IN APPLIED SCIENCE IN COMPUTER SCIENCE/ INFORMATION TECHNOLOGY

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The Cybersecurity option in the Computer Science/Informational Technology, Associate in Applied Science is designed to provide students the opportunity to apply their work experience to earning an associate degree in applied science. Students can earn credit for their work experience while they prepare for career advancement. Up to 17 credits may be awarded for work experience, including military experience, trade/proprietary school preparation, apprenticeship programs, certifications, and on-the-job-training.

## Transfer Information

This major provides students with skills to protect organizations critical data from malicious attacks. Possible transfer opportunities in this field include: Thomas Edison State University's BS Cybersecurity; Kean University BS Cybersecurity; Stockton University's BS Computer Information Systems. Other transfer opportunities are available, visit the OCC Academic Advising & Transfer Services Office for more information.

First Semester		Credit Hours
ENGL 151	English I	3
MATH 156	Introduction to Statistics	3
CSIT 165	Programming I	4
CSIT 144	Introduction to Operating System Using Unix	3
Humanities or Social Science Gen. Ed. Requirement ( <a href="https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#humanities">https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#humanities</a> )		3
<b>Credit Hours</b>		<b>16</b>
Second Semester		
ENGL 152	English II	3
CSIT 166	Programming II	4
CSIT 185	Networking I	3
CSIT 145 - Computing Fundamentals		3
CSIT 242 - Penetration Testing Fundamentals		3
<b>Credit Hours</b>		<b>16</b>
Third Semester		
CSIT 186	Networking II	3
CSIT 200	Information Security Fundamentals	3
Any Gen. Ed. Requirement ( <a href="https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#general-education">https://catalog.ocean.edu/graduation-requirements-degree/approved-general-education-courses/#general-education</a> )		8
<b>Credit Hours</b>		<b>14</b>
Fourth Semester		
CSIT 168	Introduction to Python Programming	2
CSIT 240	Ethical Hacking: Hacker Techniques and Tools	3
CSIT 243 - Cisco Networking Fundamentals (CCNA)		3
CSIT 244 - Digital Forensics Fundamentals		3
Elective(s) to make 60 credits		3
<b>Credit Hours</b>		<b>14</b>
<b>Total Credit Hours</b>		<b>60</b>