



Information Technology – Cybersecurity Associate in Science

START here

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SEMESTER 1 – FALL	CREDITS	MILESTONE	COMPLETED
ITC 101 – IT Support	4		<input type="checkbox"/>
NST 121 – Computing Systems Fundamentals	4		<input type="checkbox"/>
NST 181 – Networking I	3		<input type="checkbox"/>
ENG 101 – English Composition I	3		<input type="checkbox"/>
IDS 101 – General Education Seminar: First-Year Experience	1		<input type="checkbox"/>
IDS Elective	1		<input type="checkbox"/>
TOTAL CREDITS	16		

2

SEMESTER 2 – SPRING	CREDITS	MILESTONE	COMPLETED
ITC 111 – Scripting for Security	4		<input type="checkbox"/>
ITC 281 – Cybersecurity I	3		<input type="checkbox"/>
NST 231 – Networking II	3		<input type="checkbox"/>
ENG 102 – English Composition II	3		<input type="checkbox"/>
MAT 177 – Statistics	3		<input type="checkbox"/>
TOTAL CREDITS	16		

3

SEMESTER 3 – FALL	CREDITS	MILESTONE	COMPLETED
ITC 201 – Virtualization and Cloud Computing Security	4		<input type="checkbox"/>
ITC 282 – Cybersecurity II	3		<input type="checkbox"/>
ETH 101 – Ethics and Society	3		<input type="checkbox"/>
Science Elective with Lab (SCI 130 – Forensic Science recommended)	4		<input type="checkbox"/>
IDS Elective	1		<input type="checkbox"/>
TOTAL CREDITS	15		

4

SEMESTER 4 – SPRING	CREDITS	MILESTONE	COMPLETED
ITC 221 – Database Systems and Security	4		<input type="checkbox"/>
ITC 240 – Ethical Hacking	4		<input type="checkbox"/>
ITC 250 – IT Cybersecurity Capstone	3		<input type="checkbox"/>
Social Science Elective (ECO 140, ECO 150 or LGL 101 recommended)	3		<input type="checkbox"/>
TOTAL CREDITS	14		

You've FINISHED!



Milestone Courses

should be taken in the order shown. This will help you stay on track and graduate on time.



Make Your Summer Matter.

Summer is a great time to take some elective courses and get ahead.

Helpful Hints

- IT Cybersecurity courses are sequential; students are advised to take all ITC & NST courses as prescribed for each semester. Content of the core courses is designed to logically build upon previous semesters, culminating in the Ethical Hacking and IT Cybersecurity Capstone courses.
- ITC 111 requires completion of ITC 101.
- NST 231 requires completion of NST 181.
- ITC 281 requires completion of NST 181.
- ITC 282 requires completion of ITC 281.
- ITC 201 requires completion of NST 231.
- ITC 221 requires completion of ITC 201 and ITC 281.
- ITC 240 requires completion of ETH 101 and ITC 282.
- ITC 250 requires enrollment in or completion of ITC 240.
- Students should plan on satisfying the math requirement by the end of their second semester.

Career and Transfer Outlook

According to (ISC)² there were 359,000 unfilled cybersecurity positions in the US in 2020 and 2.7 million positions available world-wide. Graduates of this program will be prepared to find entry-level employment as cybersecurity analysts, or to transfer to a four-year Information Technology, Cybersecurity, or Management Information Systems program. The IT Cybersecurity program provides career paths to further education at the Bachelor's level and beyond. It also provides students with a strong base knowledge to complete multiple industry certifications.

To learn more, call us at 1-800-818-3434 or visit www.middlesex.mass.edu