Information Technology – Cybersecurity
Associate in Science

START *here*

1

SEMESTER 1 – *FALL*	CREDITS	MILESTONE	COMPLETED
ITC 101 – IT Support	4	🏛	☐
NST 121 – Computing Systems Fundamentals	4	🏛	☐
NST 181 – Networking I	3	🏛	☐
ENG 101 – English Composition I	3		☐
IDS 101 – General Education Seminar: First-Year Experience	1		☐
IDS Elective	1		☐
TOTAL CREDITS	**16**		

2

SEMESTER 2 – *SPRING*	CREDITS	MILESTONE	COMPLETED
ITC 111 – Scripting for Security	4	🏛	☐
ITC 281 – Cybersecurity I	3	🏛	☐
NST 231 – Networking II	3	🏛	☐
ENG 102 – English Composition II	3		☐
MAT 177 – Statistics	3		☐
TOTAL CREDITS	**16**		

3

SEMESTER 3 – *FALL*	CREDITS	MILESTONE	COMPLETED
ITC 201 – Virtualization and Cloud Computing Security	4	🏛	☐
ITC 282 – Cybersecurity II	3	🏛	☐
ETH 101 – Ethics and Society	3	🏛	☐
Science Elective with Lab (SCI 130 – Forensic Science recommended)	4		☐
IDS Elective	1		☐
TOTAL CREDITS	**15**		

4

SEMESTER 4 – *SPRING*	CREDITS	MILESTONE	COMPLETED
ITC 221 – Database Systems and Security	4	🏛	☐
ITC 240 – Ethical Hacking	4	🏛	☐
ITC 250 – IT Cybersecurity Capstone -or- ITC 290 – IT Internship	3	🏛	☐
Social Science Elective (ECO 140, ECO 150 -or- LGL 101 recommended)	3		☐
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**