



## Information Technology Cybersecurity Entry-level Certificate

### START here

1

SEMESTER 1 – FALL	CREDITS	MILESTONE	COMPLETED
ITC – 101 Intro to IT	4		<input type="checkbox"/>
NST – 181 Networking I	3		<input type="checkbox"/>
MAT – 120 Math for Liberal Arts –or– MAT – 177 Statistics	3		<input type="checkbox"/>

TOTAL CREDITS 10

2

SEMESTER 2 – SPRING	CREDITS	MILESTONE	COMPLETED
ITC – 111 Scripting for Security	4		<input type="checkbox"/>
NST – 121 Computer System Fundamentals	4		<input type="checkbox"/>
NST – 231 Networking II	3		<input type="checkbox"/>
NST – 281 Computer Network Security I	3		<input type="checkbox"/>

TOTAL CREDITS 14

3

SEMESTER 3 – FALL	CREDITS	MILESTONE	COMPLETED
NST – 282 Computer Network Security II	3		<input type="checkbox"/>

TOTAL CREDITS 3

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

### Helpful Hints

- NST courses are very sequential; students are advised to take all NST courses as prescribed for each semester.
- The college offers accelerated math classes to help students meet math requirements.
- All NST and ITC courses are available only in Lowell.
- All credits earned for the IT Cybersecurity Entry-level Certificate transfer toward the associate degree in IT Cybersecurity Transfer.

### You've FINISHED!

#### Certificate Programs

Certificate programs can serve as the basis for further higher education or professional studies. Certificate programs require students to complete specified coursework, mainly related to particular fields of employment.

While many students enroll in a certificate program in preparation for direct entry into employment, they often return to college, part time or full time, and apply the credits previously earned to an associate degree program.

#### Career and Transfer Outlook

The U.S. Department of Labor projects computer security specialists' employment to grow by 22% from 2010 to 2020, a faster-than average outlook. Graduates of this certificate will have basic cybersecurity knowledge and will be prepared to find entry-level network administration positions. They will also be able to transfer to either the IT Cybersecurity Advanced Certificate or the Liberal Studies IT Cybersecurity Transfer Associate Degree program. Career opportunities are open to students with Certificate, A.S, B.S. and advanced degrees in the secure configuration, operation and analysis of enterprise computer networks, including infrastructure devices, network services and the servers upon which they run.

To learn more, call us at 1-800-818-3434 or visit [www.middlesex.mass.edu](http://www.middlesex.mass.edu)