Information Technology Cybersecurity Advanced Certificate

START *here*

Make Your Summer Matter. Summer is a great time to take some courses and get ahead.

1

SEMESTER 1 – *SUMMER*	CREDITS	MILESTONE	COMPLETED
NST 235 — Advanced Networking	4		☐
TOTAL CREDITS	4		

2

SEMESTER 2 – *FALL*	CREDITS	MILESTONE	COMPLETED
ITC 111 — Scripting for Security	4		☐
ITC 281 — Computer Network Security I	3		☐
ITC 201 — Virtualization and Cloud Infrastructure	4		☐
TOTAL CREDITS	11		

3

SEMESTER 3 – *SPRING*	CREDITS	MILESTONE	COMPLETED
ITC 282 — Computer Network Security II	3		☐
ITC 211 — Information Storage Management	4		☐
ITC 240 — Ethical Hacking	4		☐
TOTAL CREDITS	11		

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 Federal Bureau of Investigation predicts cybersecurity eventually will become the Number One threat against the United State. The U.S. Department of Labor projects computer security specialists' employment to grow by 22% from 2010 to 2020, a faster-than-average outlook. The U. S. Department of Labor projects 65,700 new jobs requiring cybersecurity skills between 2010 and 2020. Graduates of this certificate will have the cybersecurity skills that will enhance their effectiveness as network security administrators and enable them to function as information security analysts. They may also enroll in the Middlesex IT Cybersecurity Transfer associate degree or to transfer to a four-year program.

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

Information Technology Cybersecurity

The **Information Technology Cybersecurity** program at Middlesex Community College offers a clear pathway so you can meet your educational and career goals. You may start by earning an Entry-Level and/or Advanced Certificate and then move on to earning an Associate in Science Degree in Information Technology Cybersecurity Transfer. You may also directly begin your studies in the associate degree program, which leads to a bachelor's degree. Your job options grow with each extra step, as does earning potential! **Program Outcome skill competencies** can be found on the individual program pages of the MCC Academic Catalog at **www.middlesex.mass.edu/catalog**.

ENTRY-LEVEL CERTIFICATE

Competencies: *Prepares students for employment in a variety of entry-level network administration positions.*

Learn more about the competencies at **www.middlesex.mass.edu/catalog**

JOB OPTIONS

Test Technician 1

Junior Helpdesk / Facilities Technician

IT Intern

SALARY RANGE

$30,000-$43,000

($14.50 - $20.50 / hr)

ADVANCED CERTIFICATE

Competencies: *Prepares students for a variety of positions in network security administration.*

Learn more about the competencies at **www.middlesex.mass.edu/catalog**

JOB OPTIONS

Helpdesk / Information Technology Technician

IT Support Specialist

IT Administrator - Intern

End User Client 1

SALARY RANGE

$43,000-$59,000
($20.50 - $28.00 / hr)

ASSOCIATE DEGREE

Competencies: *Prepares students either for transfer to a related bachelor's degree program in cybersecurity, or for employment in a variety of entry-level information security analyst positions in network security administration.*

Learn more about the competencies at **www.middlesex.mass.edu/catalog**

JOB OPTIONS

Information System Technologist Intern

IT Support Technician

Network Administrator / Engineer

IT Help Desk Technician

Service Desk Administrator - IT

Information Systems Specialist

SALARY RANGE

$44,000 - $85,000
($21.00 - $41.00 / hr)

CAREER GROWTH

Job opportunities for those with a Bachelor's degree include: Cybersecurity Engineer, Security Sales Engineer, Senior Information Assurance Specialist I, Network Engineer, Linux System Administrator and Information Security Engineer.

Learn more about cybersecurity jobs, salaries, required education, and employment outlook by visiting **http://www.bls.gov/ooh/** or **http://burning-glass.com/research/cybersecurity/**

Average **starting salary** for students earning a **Bachelor's degree** is **$70,000**

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