



Information Technology Cybersecurity Advanced Certificate

START here

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SEMESTER 1 – SUMMER	CREDITS	MILESTONE	COMPLETED
NST 235 – Advanced Networking	4		<input type="checkbox"/>
TOTAL CREDITS		4	



2

SEMESTER 2 – FALL	CREDITS	MILESTONE	COMPLETED
ITC 111 – Scripting for Security	4		<input type="checkbox"/>
ITC 281 – Computer Network Security I	3		<input type="checkbox"/>
ITC 201 – Virtualization and Cloud Infrastructure	4		<input type="checkbox"/>
TOTAL CREDITS		11	

3

SEMESTER 3 – SPRING	CREDITS	MILESTONE	COMPLETED
ITC 282 – Computer Network Security II	3		<input type="checkbox"/>
ITC 211 – Information Storage Management	4		<input type="checkbox"/>
ITC 240 – Ethical Hacking	4		<input type="checkbox"/>
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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