

The world revolves around protecting your assets from technology risks. Learn how to use information security to your advantage to protect your personal and professional assets, obtain a well-paying job and join the ranks of Information Technology (IT) Cyber Security professionals around the world who manage the security of information for business, industry and government.



Learn the "Cyber Security Community"

National Security Agency (NSA)
Department of Homeland Security
International Cybersecurity Consortiums
National CyberWatch Organization
Cyber Defense League (Competitions)

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Cyber Security Career Studies Certificate

**PROVIDING STUDENTS
THE OPPORTUNITY TO
ACQUIRE THE
KNOWLEDGE AND
SKILLS NEEDED TO
SUCCEED IN THE FIELD
OF CYBERSECURITY.**



INFORMATION SYSTEMS TECHNOLOGY

Cyber Security Career Studies Certificate (CSC)

PURPOSE:



The curriculum is designed for students who seek general and specific knowledge in information technology cyber security as a growing field of industry.

PROGRAM DESCRIPTION:

Those looking to enter the exciting field of cybersecurity must possess strong analytical and problem-solving skills as well as good interpersonal and communication skills. These skills are an integral part of the Cybersecurity Career Studies Certificate (CSC) program. Students enrolled in the program gain general knowledge and skills in the techniques of ethical hacking, encryption of data, access control, network protection of devices, network-in-depth perimeter protection, and legal implications of cybercrime and protection failures. The program can also be included in the Applied Science of Information Systems Technology degree program as a specialized technical concentration.

PROGRAM OPTIONS:

The CSC degree is based on six (6) required courses of which can be attained for the CSC completion only or can be included in the degree program. The courses in this CSC satisfy the "Approved IT electives" found in the IST degree program.

Transfer opportunities for the CSC, if existing, are very specific in nature. Students enrolling in this program with plans to transfer to a four-year college or university should explore opportunities with their faculty advisor and the planned four-year institution.

PROGRAM OF STUDY

Required Cybersecurity CSC Core Courses

- ITN 260 Network Security Basics
- ITN 261 Network Attacks, Computer Crime and Hacking
- ITN 262 Network Communication, Security and Authentication
- ITN 263 Internet/Intranet Firewalls and E-Commerce
- ITN 266 Network Security Layers
- ITN 267 Legal Topics in Network Security

See complete CSC requirements in college catalog for course descriptions and prerequisites

Other Certificate requirements:

- ITN 101 Introduction to Network Concepts (Prerequisite to ITN 260)

Total Credits: 18

Courses and total credits subject to change

Note: Courses are offered during specific semesters so the student should visit an advisor as early as possible to lay out the best schedule to complete the CSC. The program can be completed within a year by following a Summer, Fall, Spring semester schedule.

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A Member of the National CyberWatch Organization

LFCC is a member of The National CyberWatch Center through its regional organization in Prince Georges County, MD. The entity provides collaboration on security education between academic and industry communities. There are 67 community colleges, 71 universities, and over 50 government and private industry members. The organization sponsors National Conferences, team competitions (Regional and National) and promotes research in cybersecurity education.

Student Academic Success

Student success is always the highest priority at LFCC for any program. The Cybersecurity CSC is taught by faculty of extraordinary credentials. Many have doctoral degrees in Information Technology and Information Security, industry and international certifications (e.g., CISSP), and related industry experience.

Cybersecurity Job Market

Career Growth in cybersecurity is very promising! Recently, attacks have been publicized for businesses and financial institutions. Everyday, we hear of people grabbing passwords and personal identifiable information without stopping. It will only increase in the future. U.S. Bureau of Labor Statistics depicts the following:

2012 Median Pay	\$86,170/year
Work Experience	< 5 years
# of jobs 2012	75,100
Job Outlook 2012 -	+37% (Much faster)
Employment Change	+27,400

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2014-15 Edition*, Information Security Analysts, on the Internet at <http://www.bls.gov/ooh/computer-and-information-technology/information-security-analysts.htm> (visited August 06, 2014).