

Providing students the opportunity to acquire the knowledge and skills needed to succeed in the field of cybersecurity!



LFCC is designated as a Center of Academic Excellence in Cyber Defense - Two Year Education by the National Security Agency and the U.S. Department of Home Security

NOW IS YOUR TIME!

Visit
lfcc.edu/cybersecurity
to get started.

CONTACT:

Henry J. Coffman, D.A., Professor
540-868-7117
hcoffman@lfcc.edu

José M. Nieves, Ph.D., Professor
540-351-1563
jnieves@lfcc.edu

Middletown Campus
173 Skirmisher Lane
Middletown, VA 22645-1745
540-868-7110

Fauquier Campus
6480 College Street
Warrenton, VA 20187
540-351-1505

Luray-Page County Center
334 North Hawksbill Street
Luray, VA 22835
540-843-0722

Vint Hill
4151 Weeks Drive
Warrenton, VA 20187
540-351-1531

lfcc.edu



[@lfccedu](https://www.instagram.com/lfccedu)

Lord Fairfax Community College (LFCC) is an equal opportunity institution providing educational and employment opportunities, programs, services, and activities and does not discriminate on the basis of race, color, sex, age, religion, disability, national origin, marital status, political affiliation, sexual orientation, or other non-merit factors. LFCC also prohibits sexual misconduct including sexual violence or harassment.

Start your future in
CYBERSECURITY
at Lord Fairfax Community College
with the

**ASSOCIATE OF
APPLIED SCIENCE
IN CYBERSECURITY**



LFCC
Lord Fairfax Community College

Purpose:

The curriculum is designed for students who seek 1) general and specific knowledge in cybersecurity as a growing field of industry and 2) for potential transfer to specific Bachelor degree programs.



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 AAS in Cybersecurity degree 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 cyber-crime and protection failures. The degree is designated as a CAECD-2Y program by NSA and DHS.

Students could qualify for NSA/DHS summer internships while in the program and may receive potential job placement preference after graduation from the program.

Note: Courses are offered during specific semesters so the student should contact a program advisor as early as possible to lay out the best schedule to complete the degree. The program can be completed within two years.

Transfer Opportunities:

Transfer opportunities for the degree exist for the BAS in Cybersecurity at George Mason University and the BPS in Cybersecurity at George Washington University, although extra courses may be necessary. 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 CORE COURSES

- ITN 100 Introduction to Telecommunications
- ITE 221 PC Hardware and Operating Systems
- 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
- SDV 101 ... Orientation for IT Professionals

OTHER DEGREE REQUIREMENTS

- ITP 100 , ITN 170, ITN 200, ITN 276
- Approved ITP/ITN electives
- ENG 111, 112, CST 110
- 3 Credits of Required Math
- Approved Electives: Social Science, Natural Science with Lab, Humanities/Fine Arts and PED/HLT

Program Total..... 67

See complete degree requirements in college catalog for course descriptions and prerequisites. Courses and total credits subject to change.

LFCC.EDU/CYBERSECURITY

A Member of the National CyberWatch Organization

LFCC is a member of The National Cyber-Watch Center through its regional organization in Prince Georges County, MD. The entity provides collaboration on security education between academic and industry communities. The organization sponsors National Conferences, team competitions (Regional and National) and promotes research in cybersecurity education. The current membership can be viewed at the following web site: nationalcyberwatch.org/membership/members/

Student Academic Success

Student success is always the highest priority at LFCC for any program. The AAS in Cybersecurity 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:

2015 Median Pay:	\$90,120/year
Work Experience:	< 5 Years
# of Jobs in 2014:	82,900
Job Outlook:	+18%
Employment Change:	+14,800

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> (February 16, 2015)