

# COMPUTER TECHNOLOGY CODING

*The Computer Technology field is ever growing and changing, requiring motivated problem solvers in today's technology driven world.*

[www.emcc.edu/computertech](http://www.emcc.edu/computertech)

The **Computer Technology** program prepares students for entry-level jobs in multiple areas of the Information Technology (IT) field.

- Graduates are prepared to assume a variety of positions such as: Help desk technician, cloud computing, information security, developer, and programmer.
- Students will be able to apply core software development processes at a conceptual level for a given problem and articulate software project management principles and techniques.

**EMCC students enjoy small class sizes, supportive faculty, transferable courses and leadership/engagement opportunities all for under \$4,000/year.**

(Most programs, based on 30 credit hours, in-state rate of \$96 per credit hour)



*Free Application!  
Scan this code  
to apply today.*



 Eastern Maine  
Community College

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# COMPUTER TECHNOLOGY CODING

Associate in Applied Science Degree

## Prerequisites

**AAS Degree:** High school level Algebra I required. Algebra II desired.

**Certificate:** High school level Algebra I required. Algebra II desired.

## 1<sup>ST</sup> SEMESTER (CREDITS)

CSCI 103 **Intro to Computer Systems**<sup>1</sup> (3)  
CSCI 143 **Web Applications & Development**<sup>1</sup> (3)  
CSCI 170 **Customer Service Concepts**<sup>1</sup> (3)  
ENGL 101 **College Composition**<sup>1</sup> (3)  
MATH 140 **College Algebra**<sup>1</sup> (3)

## 2<sup>ND</sup> SEMESTER (CREDITS)

CSCI 154 **Object Oriented Programming I**<sup>1,2</sup> (3)  
CSCI 162 **Networking**<sup>1</sup> (4)  
CSCI 251 **Cloud Computing**<sup>1,2</sup> (3)  
Elective **Any Math/Science**<sup>1</sup> (100 level or higher) (3-4)  
COMM 107 **Oral Communications**<sup>1</sup> (3)

## 3<sup>RD</sup> SEMESTER (CREDITS)

CSCI 203 **Systems Analysis and Design** (3)  
CSCI 235 **Database Systems** (3)  
CSCI 253 **Object-Oriented Programming II**<sup>2</sup> (3)  
Elective **Any Humanities or Social Science** (3)  
Elective **Any General Education Course** (100 level or higher) (3)

## 4<sup>TH</sup> SEMESTER (CREDITS)

CSCI 221 **Network Security** (3)  
CSCI 254 **Cloud Computing II**<sup>2</sup> (3)  
CSCI 256 **Software Development and Marketing**<sup>2</sup> (3)  
CSCI 260 **Capstone** (2)<sup>2</sup>  
Elective **Any Humanities or Social Science** (3)

▶ **TOTAL CODING AAS DEGREE CREDITS** 60-61

*We also have a Networking Option available!*

<sup>1</sup>Denotes courses required to complete the **Computer Technology Coding Certificate**. Total credits: 31-32

<sup>2</sup>Denotes courses required to complete the **Computer Technology Coding Advanced Certificate**. Total credits: 17

## We have TWO residence halls on campus!



Kineo Hall houses students in “blocks” (two double-occupancy rooms with four people of the same gender) or triple-occupancy rooms. Each is individually climate controlled and shares a common bathroom, with double sinks, a shower and a toilet stall.

Acadia Hall houses students in corridor-style double or triple occupancy rooms.

A meal plan is mandatory for anyone living in residential housing on campus.

*Studies show that students who live on campus not only tend to have higher GPA's, but they are also more likely to complete their education and get more out of their college experience.*



Visit [www.emcc.edu/housing](http://www.emcc.edu/housing) to learn more. Apply early, space is limited!

*Still in high school? Concurrent enrollment agreements with many high schools and technical education centers are available. Information can be found online at:*

[www.emcc.edu/academics/programs/early-college](http://www.emcc.edu/academics/programs/early-college)



**Did you graduate from high school in 2022, 2023, or 2024 or will be graduating in 2025?**

*Then you may qualify for the Maine Free College Scholarship at EMCC!*

*Did you know EMCC has its own foundation?*

Each year, our Foundation gives out over \$100,000 in scholarships to EMCC students. Visit [emcc.edu/foundation](http://emcc.edu/foundation) to learn more and apply.

## CAMPUS TOURS AVAILABLE

Call 207.974.4780 or scan this QR code to schedule an appointment!



 Eastern Maine Community College

# COMPUTER TECHNOLOGY NETWORKING

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[www.emcc.edu/computertech](http://www.emcc.edu/computertech)

The **Computer Technology** program prepares students for entry-level jobs in multiple areas of the Information Technology (IT) field.

- Graduates are prepared for jobs such as desktop support, help desk technician, network installer, network technician, network administrator, security, and technology trainer.
- Students will be able to install, configure, troubleshoot, maintain, and upgrade personal computer systems hardware and software. You will also be able to design and build effective websites, effectively design and manage networks and efficiently operate them, and more!

**EMCC students enjoy small class sizes, supportive faculty, transferable courses and leadership/engagement opportunities all for under \$4,000/year.**

*(Most programs, based on 30 credit hours, in-state rate of \$96 per credit hour)*



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# COMPUTER TECHNOLOGY NETWORKING

Associate in Applied Science Degree

## Prerequisites

**AAS Degree:** High school level Algebra I required. Algebra II desired.

**Certificate:** High school level Algebra I required. Algebra II desired.

## 1<sup>ST</sup> SEMESTER (CREDITS)

CSCI 103 **Intro to Computer Systems\*\*** (3)

CSCI 114 **Computer Hardware\*\*** (3)

CSCI 143 **Web Applications & Development\*\*** (3)

ENGL 101 **College Composition\*\*** (3)

MATH 116 **College Algebra\*\*** (3)

## 2<sup>ND</sup> SEMESTER (CREDITS)

CSCI 113 **Operating Systems\*\*** (3)

CSCI 162 **Networking\*\*** (4)

CSCI 170 **Customer Service Concepts\*\*** (3)

Elective **Any Math/Science\*\*** (100 level or higher) (3-4)

COMM 107 **Oral Communication\*\*** (3)

## 3<sup>RD</sup> SEMESTER (CREDITS)

CSCI 203 **Systems Analysis and Design** (3)

CSCI 232 **Server Operating Systems** (3)

CSCI 235 **Database Systems** OR CSCI 251 **Cloud Computing I** (3)

Elective **Any Humanities or Social Science** (3)

Elective **Any General Education Course** (100 level or higher) (3)

## 4<sup>TH</sup> SEMESTER (CREDITS)

CSCI 221 **Network Security** (3)

CSCI 226 **Wireless Networking** (3)

CSCI 246 **Virtualized Computer Systems**(3)

CSCI 260 **Capstone** (2)

Elective **Any Humanities or Social Science** (3)

**TOTAL NETWORKING AAS DEGREE CREDITS** 60-61

*We also have a Coding Option available!*

\*\*Denotes courses required to complete the **Computer Technology Networking Certificate**. Total credits: 31-32

Students opting to take the certificate program will be **required** to complete the credits listed under the First Semester and the Second Semester.

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