

# COMPUTER TECHNOLOGY CODING

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

**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**

Follow Us On Social Media:   @EMCCBangor

**354 Hogan Rd, Bangor, ME 04401 | 207-974-4680 | emcc.edu | #WeAreEMCC**

# 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.

## CODING OPTION:

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

CST-101 Intro to College Learning OR FYE-100 College Success\*\* (1)

CST-103 Intro to Computer Systems\*\* (3)

CST-143 Web Applications & Development\*\* (3)

CST-170 Customer Service Concepts\*\* (3)

ENG-101 College Composition\*\* (3)

MAT-116 College Algebra\*\* (3)

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

CST-154 Object Oriented Programming I\*\* (3)

CST-162 Network & Certification\*\* (4)

CST-251 Cloud Computing I\*\* (3)

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

SPE-101 Oral Communications\*\* (3)

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

CST-203 Systems Analysis and Design (3)

CST-235 Database Systems (3)

CST-253 Object-Oriented Programming II (3)

Elective Any Humanities or Social Science (3)

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

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

CST-221 Network Security (3)

CST-254 Cloud Computing II (3)

CST-256 Software Development and Marketing (3)

CST-248 Capstone (1)

Elective Any Humanities or Social Science (3)

▶ **TOTAL CODING AAS DEGREE CREDITS** 60

*We also have a Networking Option available!*

\*\*Denotes courses required to complete the **Computer Technology Coding Certificate**. Total credits: 32-33

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

## 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 2020, 2021, 2022, or 2023 or will be graduating in 2024 or 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

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

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



**Free Application!**

*Scan this code  
to apply today.*



 **Eastern Maine  
Community College**

Follow Us On Social Media:   @EMCCBangor

354 Hogan Rd, Bangor, ME 04401 | 207-974-4680 | [emcc.edu](http://emcc.edu) | #WeAreEMCC

# 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.

## NETWORKING OPTION:

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

CST-101 Intro to College Learning OR FYE 100 College Success\*\* (1)

CST-103 Intro to Computer Systems\*\* (3)

CST-114 Computer Hardware\*\* (3)

CST-143 Web Applications & Development\*\* (3)

ENG-101 College Composition\*\* (3)

MAT-116 College Algebra\*\* (3)

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

CST-113 Operating Systems\*\* (3)

CST-162 Network + Certification\*\* (4)

CST-170 Customer Service Concepts\*\* (3)

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

SPE-101 Oral Communication\*\* (3)

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

CST-203 Systems Analysis and Design (3)

CST-232 Server Operating Systems (3)

CST-235 Database Systems OR CST-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)

CST-221 Network Security (3)

CST-226 Wireless Networking (3)

CST-246 Virtualized Computer Systems(3)

CST-248 Capstone (1)

Elective Any Humanities or Social Science (3)

▶ **TOTAL NETWORKING AAS DEGREE CREDITS 60**

*We also have a Coding Option available!*

\*\*Denotes courses required to complete the **Computer Technology Networking Certificate**. Total credits: 32-33

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

## 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 2020, 2021, 2022, or 2023 or will be graduating in 2024 or 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