

# COMPUTER NETWORKING: MICROSOFT WINDOWS SERVER, ASSOCIATE OF SCIENCE

## 3\_AS\_MSWS

The program in Computer Networking: Microsoft Windows Server provides students with a solid foundation in the field of Computer Networking. With an emphasis on Microsoft Server, the program is designed to prepare students for an entry-level career in various computer networking roles, such as network administrator, network engineer, network architect, computer systems administrator, computer network specialist, and network analyst. The courses provide an overview of the field of computer networking from the Microsoft MCSE perspective. Topics covered include Microsoft Server and Workstation operating systems; active directory, security, virtualization, backup and recovery, installation and configuration, group policies, and DNS. The program includes hands-on lab assignments to help students develop their skills for the computer networking workforce.

## Program Level Student Learning Outcomes

Upon completion of this program, students will be able to:

1. Demonstrate the ability to locate technical resources to solve problems with networking hardware and software.
2. Demonstrate proficiency with various software packages to solve common networking problems using theories learned in the classroom to design and implement a workable solution.
3. Build and maintain secure networks.

## Associate Degree Requirements Unit Requirement

Complete at least 60 units of acceptable college work with a minimum of 12 units completed in residence at Coastline. Earn an overall grade point average of 2.0 or higher from all colleges attended and a 2.0 or higher grade point average at Coastline.

\*Students must be in good academic standing (not on probation and/or disqualification) during the semester graduation is petitioned.

## Program of Study

Complete the required courses in one of the programs as detailed in the Academic/Career/Certificate Programs section of this catalog. All coursework must be completed with a grade of C or higher.

## General Education

Complete one of the three General Education options below (visit the General Education page for details (<https://catalog.cccd.edu/coastline/general-education/>)):

Option 1 – Coastline General Education: designed for students pursuing an Associate degree and who may or may not be planning to transfer to a four-year university. The degree is transferable to many colleges and universities.

Option 2—CSU GE Breadth: designed for students who are planning to transfer to a university in the CSU system. It may also be appropriate for transfer to some independent colleges and universities.

Option 3—IGETC: designed for students who are planning to transfer to a university in the CSU or UC system. It also may be appropriate for transfer to some independent colleges and universities.

## Global and Multicultural Studies Requirement

Complete at least 2.5 units from any Global and Multicultural Studies courses. See what courses fulfill the Global and Multicultural Studies Requirement (<https://catalog.cccd.edu/coastline/graduation-requirements/#globalandmulticulturalstudies>).

Course	Title	Units
Required Core:		
CST C116A	A+ Essentials Hardware	3
CST C128	Network+	3
CST C158	Server+	3
CST C177A	Configuring Microsoft Windows 10	3
CST C222A	Installing/Configuring Windows Server 2016	3
CST C223A	Networking with Windows Server 2016	3
CST C224A	Identity with Windows Server 2016	3
Electives Courses		6
Select two from the following:		
CST C117A	A+ Essentials Software	
CST C172	SQL Server Design and Implementation	
CST C177B	Configuring Windows Devices	
CST C230	Introduction to Security	
Total for Major		27
Requirement	Units	
Total Units for Major Preparation	27	
Degree Option 1, 2, or 3	Varies	
Electives to satisfy unit requirement	Varies	
Total Degree Units	60	