

CLOUD COMPUTING, ASSOCIATE OF SCIENCE

Banner Code: 3_AS_CLCO

Control Number: 42004

Financial Aid Eligible

This degree program provides students with a solid background in the field of information technology and cloud computing. The program courses help students prepare for entry-level information technology positions in cloud computing and operations, such as Cloud Administrator, Cloud Architect, Cloud Systems Operator, Cloud Security Specialist, Cloud Developer. Topics include computer networking fundamentals, cloud security, introductory programming, server administration, cloud architecture, cloud application support and development, cloud service support, and cloud system operations. The program courses emphasize hands-on and technical writing assignments to help students develop in-demand skills for the information technology 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 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 Requirements for the Major 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 – AA/AS Local Degree GE: 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		
Complete the following:		
CST C104	IT Fundamentals	3
CST C128	Computer Networking Principles (Network +)	3
CST C158	Contemporary Operating Systems (Server+)	3
CYBR C101	Introduction to Cybersecurity	3
CST C198	Amazon Web Services (AWS) Cloud Foundations	3
CST C295	Amazon Web Services Architect Associate	3
CST C296	Amazon Web Services Cloud Operations Associate	3
CST C297	Amazon Web Services Cloud Developer	3
Units Required for Major		24
Local General Education, CSU General Education, or IGETC pattern		Varies
Electives to satisfy unit requirement		Varies
Total Units		60