

# Computer and Network Support

Division of Mathematics, Engineering Technologies and Computer Sciences — Curriculum Code: 3321

*Will Earn Upon Program Completion: Academic Certificate*

The Computer and Network Support certificate program emphasizes emerging information technologies to troubleshoot networking and security issues within operating systems such as Apple, Android, Windows and more. The Computer and Network Support certificate provides comprehensive coverage of installation, configuration, troubleshooting, and maintenance of computer hardware, software, operating systems, peripherals, cabling, and networks. Training from this program is the foundation for more advanced information technology (IT) certificates and all forms of system administration. This certificate program will offer a mixture of general education, professional courses, and technical experiences at local facilities. Upon program completion, a student will obtain knowledge and techniques demanded by the information technology industry. Successful completion helps prepare students for numerous computer-related certificate exams and important IT professional certificates offered by The Computing Technology Association (CompTIA): Linux+, Network+ and Cisco Certified Network Associate (CCNA).

## Program Requirements

### **GENERAL EDUCATION REQUIREMENTS (6 CREDITS)**

Written & Oral Communication (3 credits)

[ENG 101](#) College Composition I (3 credits)

Technological Competency (3 credits)

[CSC 100](#) Fundamentals of Computer Science (3 credits)

### **MAJOR COURSE REQUIREMENTS (24 CREDITS)**

[CSC 113](#) Introduction to Linux/Unix Operating System (4 credits)

[CSC 114](#) Computer Networks I (4 credits)

[CSC 116](#) Introduction to Computer & Network Security (4 credits)

[CSC 137](#) Introduction to Programming in Java (4 credits)

[CSC 214](#) Computer Networks II (4 credits)

[CSC 253](#) Introduction to System and Cloud Administration (4 credits)

*Note: The minimum passing grade for all courses designated CSC is "C". If you earn a grade below "C", you need to repeat that course.*

## RECOMMENDED SEQUENCE OF COURSES

Total Credits Required for Academic Certificate: 30

First Semester

[CSC 100](#) Fundamentals of Computer Science (3 credits)

[CSC 113](#) Introduction to Linux/ Unix Operating System or Approved Technical Course (one 4-credit course)

[CSC 114](#) Computer Networks I (4 credits)

[CSC 137](#) Introduction to Programming in Java (4 credits)

Second Semester

[ENG 101](#) College Composition I (3 credits)

[CSC 116](#) Introduction to Computer & Network Security (4 credits)

[CSC 214](#) Computer Networks II (4 credits)

[CSC 253](#) Introduction to System and Cloud Administration (4 credits)

NOTES:

(1) This plan assumes the completion of all required developmental courses in Reading, English, and Mathematics as well as other [pre-requisites](#) and [co-requisites](#) for some of the courses, as listed in the Course Descriptions section.