

Internetworking Technology Program

*Division of Engineering Technologies and Computer Science — Curriculum Code: 3204
Will Earn Upon Program Completion: Certificate in Internetworking Technology*

Why major in Internetworking Technology?

The Internetworking Technology program prepares students for entry-level positions in computer networking. Typical positions for qualified graduates include: Network engineer, network administrator, network technician, technical support specialist, and LAN or network specialist. Duties may include working as part of a team that has the responsibility of maintaining, implementing, and managing corporate information and communications infrastructures.

If I major in Internetworking Technology can I transfer to an upper-division college or university?

The major is job-oriented and not designed for transfer to a baccalaureate program.

Are there any requirements I must satisfy before I start taking courses in my major?

All new students must take a basic skills competency test. Based on the results of the test, you may be required to take developmental courses in reading, English, and/or mathematics.

How long will it take for me to complete this certificate?

If you do not need developmental course work and follow the suggested sequence, you can complete the program in one academic year.

Where should I direct specific questions about this program?

Contact the Division at (973) 877-4400.

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

- ◆ Install and configure internetworking hardware such as routers and switches;
- ◆ Analyze and interpret performance statistics of network operations;
- ◆ Manage network operations in a LAN or WAN environment; and
- ◆ Pass Cisco Systems CCNA certification examination.

Internetworking Technology — Certificate Program

<p>GENERAL EDUCATION REQUIREMENTS: (7 credits)</p> <p>Communications (3 credits) ENG 101 College Composition I 3</p> <p>Math (4 credits) MTH 100 Introduction to College Mathematics 4</p> <p>MAJOR COURSE REQUIREMENTS: (16 credits)</p> <p>CSC 110 Routing & Switching Fund. 4 CSC 111 Routing & Switching WAN 4 CSC 211 Internetworking 4 CSC 212 Advanced Internetworking 4</p> <p>Total Credits Required for Certificate 23</p>	<p>RECOMMENDED SEQUENCE OF COURSES:*</p> <p><u>First Semester</u></p> <p>CSC 110 Routing & Switching Fund. 4 CSC 111 Routing & Switching WAN 4 ENG 101 College Composition I 3</p> <p><u>Second Semester</u></p> <p>MTH 100 Introduction to College Mathematics 4 CSC 211 Internetworking 4 CSC 212 Advanced Internetworking 4</p>
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***NOTE:** This plan assumes the completion of all required developmental courses in reading, writing, and mathematics as well as other pre- and co-requisites for some of the courses, as listed in the Course Descriptions section.