

CERTIFICATE OF ACHIEVEMENT

Upon successful completion of this program, students will be prepared for an entry-level position in industry. This program is designed to train students to use the Cisco hardware to create a LAN and the skills needed to install, maintain, troubleshoot and repair these systems. Completion of this program will help students prepare for Cisco Introduction to Cisco Networking Technologies Exam, Cisco Wireless Certification, CompTIA's FIT Certification, Panduit Installer Certification, and BICSI Level 1 Installer Registration Exam.

STUDENT LEARNING OUTCOMES - *Graduates of this program will have the opportunity to:*

- Design the physical and logical topology of a Local Area Network.
- Analyze LAN requirements and select appropriate hardware to satisfy those requirements; develop and implement appropriate IP addressing scheme to support LAN requirements.
- Understand electronic and digital logic concepts and their application to LAN implementation and troubleshooting.
- Perform a minimum of basic arithmetic operations including addition, subtraction, multiplication and division and apply them to solving network related problems.
- Develop positive work ethics and interpersonal skills in a group environment.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (31 Credits):

	CR	SEMESTER
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
CSCO 109B PC Troubleshooting and Repair	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____
CSCO 121 CCNA Routing Protocols and Concepts	4	_____
CSCO 220 CCNA LAN Switching and Wireless Fundamentals	4	_____
ET 108B Telecommunications and the Information Age	3	_____
ET 131B DC for Electronics	4	_____
ET 287B Introduction to Fiber Optics	3	_____
MATH 111B Mathematics for Electronics Applications	3	_____
Computation included in MATH 111B		
Human Relations included in CSCO 120		

34
Total Credits

EE C07

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.