Each course prepares students for a specific industry recognized certification such as Cisco CCENT, Cisco CCNA, CompTIA A+, CompTIA Network+, CompTIA Security+, and Microsoft Certified Technology Specialist. The program is also a PearsonVUE Testing Center, Cisco Networking Academy, and CompTIA Education to Career partner to help facilitate students earning a certification and to provide student discounts. Students who complete the program will also earn a Certificate of Achievement or an Associate in Science Degree if they have completed.
REQUIRED COURSES

Computer Networking
- ENGT R120 Cisco CCNA Computer Networking 1 & 2
- ENGT R121 Cisco CCNA Computer Networking 3 & 4
- ENGT R130 Administering Microsoft Windows Professional, 3 units
- ENGT R142 A+ Computer Technician & Certification Preparation 4
- ENGT R145 CompTIA Security+ Certification Preparation 3
- ENGT R150 Introduction to Computer Network Technology 3

Total Core Units 21

Complete a minimum of 9 units from the following courses:
- CIS R101 Programming Principles and Design 3
- CIS R112A JAVA Programming I, 3
- CIS R122 Microsoft Applications Office 3
- COT R190V Occupational Cooperative Work Experience 1-4
- ENGT R108 Fundamentals of Electronics and Electric Technology 3
- ENGT R110 Direct Current Engineering 4
- ENGT R111 Alternating Current Engineering 4
- ENGT R127 Cisco Wireless Fundamentals 3
- ENGT R131 Administering Microsoft Windows Server 3
- ENGT R143 CompTIA Linux+ Fundamentals & Certificate Preparation 3
- ENGT R144 Network+ Certification Preparation 4

Electives Units 9. Total Required Units 30

Engineering Technology
- ENGT R108 Fundamentals of Electronics and Electric Technology 3
- ENGT R110 Direct Current Engineering 4
- ENGT R111 Alternating Current Engineering 4
- ENGT R112 Digital and Analog Circuits 4
- ENGT R114 Introduction to Programmable Logic Controllers 4
- ENGT R115 Advanced Programmable Logic Controllers 4

Total Core Units 23

Complete a minimum of 7 units from the following courses:
- ENGT R120 Cisco CCNA Computer Networking 1 & 2
- ENGT R121 Cisco CCNA Computer Networking 3 & 4
- ENGT R130 Administering Microsoft Windows Desktop Operating System 3
- ENGT R142 A+ Computer Technician & Certification Preparation 4
- ENGT R144 Network+ Certification Preparation 4
- ENGT R150 Introduction to Computer Network Technology 3

Electives Units 7. Total Required Units 30

THE POTENTIAL JOB MARKET

The occupations available to completers of the program are PC technicians, help desk support, desktop support, network administrators, network engineers, IT training, network equipment sales, and consulting.

Computer Networking/IT Industry Trends in the Unites States:
- There will be a 55% growth in jobs for computer network engineers/IT professionals from 2004-2014 (U.S. Bureau of Labor Statistics)
- There will be a 36% growth in jobs for electrical engineers from 2004-2014 (California Labor Market Info.)
- The share of incoming undergrads planning to major in computer science and engineering dropped by 60% from 2000 to 2004 and computer programs at colleges continue to be dismantled. India's enrollment in these fields is expected to double by 2009. (Washington Post, January 3rd, 2006)