


PROGRAMS

CIT: COMPUTER NETWORK TECHNOLOGY - AS

Associate in Science in Computer Network Technology (CIT)

Image:	
Title:	Computer Science
Text:	Learn more.
Link 1:	Computer Science Dept
Link 2:	All CIS Courses
Link 3:	Register via Mission Portal

The Associate in Science in Computer Networking Technology prepares students to design, administer, maintain, and troubleshoot networks of different sizes. Students learn a diverse array of skills, including specification preparation, network management, network design, equipment and system sales, and software development.

Laboratory courses provide students with hands-on experience to demonstrate the principles of enterprise networking. Courses provide learning opportunities for students new to the field, as well as for those who are experienced professionals.

Specialized courses are also among the optional electives in this program, available to help students prepare for Cisco Certified Network Associate (CCNA), Cisco Certified Network Professional (CCNP), Microsoft Certified Information Technology Professional (MCITP), Server Administrator and Enterprise Administrator certification exams.

Program Learning Outcomes

- Students will design and plan a network infrastructure to support specific user and business requirements.
- Students will implement enterprise networks with advanced routing and switching strategies.
- Students will manage and troubleshoot enterprise networks

Meet the Following Requirements

1. Completion of 60 degree applicable units with an overall GPA of 2.0.
2. Completion of a minimum of 18 semester units in the major with a grade of C (or P) or better.
3. Completion of the AS Graduation Requirements, CSU GE-B or IGETC

NOTES: Requirements here apply to the current catalog year and are subject to change. Visit DegreeWorks in My Mission Portal to view requirements based your catalog year. Not all classes are offered each semester.

PROGRAMS

Required Core Courses

Code	Class	Units
CIT 012	Introduction to Networking (3.0 Lecture/1.0 Lab)	4.0
CIT 021	Cisco Network Fundamentals (CISCO-1) (3.0 Lecture/1.0 Lab)	4.0
CIT 022	Switching, Routing, and Wireless Essentials (3.0 Lecture/1.0 Lab)	4.0

Plus Two or More Additional Courses from the Following (at least 12.0 units)

Code	Class	Units
CIT 011	Introduction to Computer Hardware and Software (A+) (3.0 Lecture/1.0 Lab)	4.0
CIT 016	CyberSecurity and Ethical Hacking (3.0 Lecture/1.0 Lab)	4.0
CIT 023	Enterprise Networking, Security, and Automation (3.0 Lecture/1.0 Lab)	4.0
CIT 024	Implementing and Administering Cisco Networking Technologies (3.0 Lecture/1.0 Lab)	4.0
CIT 078	Microsoft Server Essentials 1 (3.0 Lecture/1.0 Lab)	4.0

Required Units for the Major - 60

Plus completion of general education requirements and electives as needed to reach 60 units.
