

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This Associate of Applied Science Degree in Electronics Engineering Technology, Networking and InterNetworking Technology Emphasis prepares students with the necessary skills required by today's computer networking industry. Instruction includes five semesters of Cisco Networking Academy courses that lead to networking and cabling certification, electronics and digital circuits, fiber optics and a selection of related courses such as Novell or Microsoft operating systems. Completion of this program will help students prepare for Cisco Introduction to Cisco Networking Technologies Exam, Cisco Wireless Certification, Panduit Installer Certification, National Association of Communications Contractors Fiber Optic certification and BICSI Level 1 installer Registration exam.

This two-year course of study includes the skills necessary to install, maintain, troubleshoot and repair LANs, MANs and/or WANs. Instruction takes place in a hands-on, state-of-the-art environment.

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

- Design the physical and logical topology of a LAN and interconnecting Wide Area Networks networks.
- Design the logical topology of Local Area Networks (LANs) and connecting Wide Area Networks (WANs).
- Design and install the supporting cable plant and wireless for LANs and connecting networks.
- Analyze LAN, WAN, and wireless requirements and select appropriate hardware to satisfy those requirements.
- Develop and implement appropriate IP addressing scheme.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 107	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 180, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 111, PSY 101, 102, 207, 208, 261, PT 122, SOC	3	_____
MATHEMATICS: MATH 111B or 127	3	_____
SCIENCE: EGG 131 and 132	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (40 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	_____
CSCO 221 CCNA WAN Fundamentals	4	_____
CSCO 281 CCNP Implementing Secure Converged Wide Area Networks	4	_____
ET 115B Network Security Management	3	_____
ET 131B DC for Electronics	4	_____
ET 212B Digital Logic I	4	_____

Plus 3 credits from the following:

CIT 171 Introduction to Unix Operating System	3	_____
CIT 211 Microsoft Networking I	3	_____
CIT 290 Internship in CIT	1-6	_____
ET 117B Computer Forensics	3	_____
ET 118B Internet Forensics	3	_____
ET 276B Telecommunications	4	_____

67
Total Credits

EE A07

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.