

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program course of study provides students with the necessary education and skills required by today's computer networking industry. Instruction includes courses on client/server centric LAN networking, router/switch centric internetworking, as well as operation and administration of high-end web server environments. It provides students with a wide array of training in various functional areas related to computer networking. Completion of this program prepares students for successful completion of a number of industry certification exams, such as CompTia A+/N+, Cisco CCNA, Microsoft MCITP and others. Instruction takes place in a hands-on state-of-the-art lab environment. A Certificate of Completion will be issued by the CET Department for each EET Internetworking concentration completed by the student.

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

- Demonstrate computer hardware/software knowledge and skills.
- Demonstrate basic computer networking knowledge and skills.
- Client/Server concentration students demonstrate intermediate knowledge of MS LAN networking technology.
- Router/Switch concentration students demonstrate intermediate knowledge of internetworking technology.
- Linux concentration students demonstrate intermediate knowledge of Linux System Administration.

**GENERAL EDUCATION REQUIREMENTS (23 Credits):**

	CR	SEMESTER
<b>COMMUNICATIONS:</b> COM 115	3	_____
<b>ENGLISH:</b> ENG 107	3	_____
<b>HUMAN RELATIONS:</b> 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 201, PSY 101, 102, 207, 208, 261, SOC 201	3	_____
<b>MATHEMATICS:</b> MATH 116	3	_____
<b>SCIENCE:</b> EGG 131	4	_____
<b>FINE ARTS/HUMANITIES/ SOCIAL SCIENCES:</b> 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	_____
<b>U.S. AND NEVADA CONSTITUTIONS:</b> PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

**SPECIAL PROGRAM REQUIREMENTS (37 Credits):**

	CR	SEMESTER
<b>CIT 110</b> A+ Hardware	3	_____
<b>CIT 111</b> A+ Software	3	_____
<b>CIT 112B</b> Network+	3	_____
<b>CIT 263B</b> Project Management	3	_____
<b>CSCO 105B</b> Fundamentals of Voice and Data Cabling	3	_____
<b>IS 100B</b> Core Computing Competency or <b>IS 101</b> Introduction to Information Systems	0-3	_____

Continued in next column.

Continued from previous column.

	CR	SEMESTER
<b>FOR CLIENT/SERVER:</b>		
<b>CF 118B</b> Internet Forensics	3	_____
<b>CIT 211</b> MCITP/MCTS Windows Workstation OS	3	_____
<b>CIT 212</b> MCITP/MCTS Windows Server OS	3	_____
<b>CIT 213</b> MCITP/MCTS Network Infrastructure	3	_____
<b>CIT 215</b> MCITP Active Directory	3	_____
<b>FOR ROUTER/SWITCH:</b>		
<b>CSCO 120</b> CCNA Internetworking Fundamentals	4	_____
<b>CSCO 121</b> CCNA Routing Protocols and Concepts	4	_____
<b>CSCO 220</b> CCNA LAN Switching and Wireless Fundamentals	4	_____
<b>CSCO 221</b> CCNA WAN Fundamentals	4	_____
<b>FOR LINUX:</b>		
<b>CF 118B</b> Internet Forensics	3	_____
<b>CIT 173</b> Introduction to Linux	3	_____
<b>CIT 174</b> Linux System Administration	3	_____
<b>CIT 175B</b> Advanced Linux System Administration	3	_____
<b>CIT 217</b> Security+	3	_____
<b>Program Electives - Choose 3-7 Credits:</b>	3-7	_____
<b>CIT 118B</b> Network Security Management or above	3	_____
<b>ET 108B</b> Telecommunications and the Information Age	3	_____
<b>Any course with CF, CSCO, prefix</b>		

**NOTE:** Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. CITNETWAAS

**60**  
Total Credits

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.

**Guided Pathway  
Associate of Applied Science Degree  
CIT Networking – Router/Switch  
Total Credits – 60 credits  
2014-2015 Catalog**

<b>First Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
English Composition	ENG 107	3	
A+ Software	CIT 111	3	
Intro. To Info. Systems	IS 101 Or IS 100	0	
Human Relations	See Degree Sheet or Counselor	3	
Mathematics	Math 116	3	
CCNA Internetworking Fundamentals	CSCO 120	4	
	<b>TOTAL</b>	16	
<b>Second Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
A+ Hardware	CIT 110	3	
U.S. & NV Constitutions	PSC 101 or HIST 101 and HIST 102 or HIST 217	4	
CCNA Routing Protocols and Concepts	CSCO 121	4	
Technical Physics	EGG 131	4	
	<b>TOTAL</b>	15	
<b>Third Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
Fund. Of Voice and Data Cabling	CSCO 105	3	
CCNA LAN Switching and Wireless Fundamentals	CSCO 220	4	
Network+	CIT 112	3	
Program Elective	See Degree Sheet	3	
Program Elective	See Degree Sheet	3	
	<b>TOTAL</b>	16	
<b>Fourth Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
Communications	COM 115	3	
CCNA WAN Fund.	CSCO 221	4	
Fine Arts/ Hum/Soc. Sci.	See Degree Sheet or Counselor	3	
Project Management	CIT 263	3	
	<b>TOTAL</b>	13	
	<b>Degree TOTAL</b>	<b>60</b>	

\*\* Summer Sessions can be used to lower semester loads – see your counselor.

**Guided Pathway**  
**Associate of Applied Science Degree**  
**CIT Networking – Linux**  
**Total Credits – 60 credits**  
**2014-2015 Catalog**

<b>First Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
English Composition	ENG 107	3	
Communications	COM115	3	
Intro. To Info. Systems	IS 101 Or IS 100	0	
Human Relations	See Degree Sheet or Counselor	3	
Mathematics	Math 116	3	
	<b>TOTAL</b>	12	
<b>Second Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
A+ Hardware	CIT 110	3	
U.S. & NV Constitutions	PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4	
Network+	CIT 112	3	
Fund. of Voice and Data Cabling	CSCO 105	3	
Technical Physics	EGG 131	4	
	<b>TOTAL</b>	17	
<b>Third Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
A+ Software	CIT 111	3	
Intro. To Linux	CIT 173	3	
Internet Forensics	CF 118	3	
Program Elective	See Degree Sheet	3	
Program Elective	See Degree Sheet	3	
	<b>TOTAL</b>	15	
<b>Fourth Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
Linux System Admin.	CIT 174	3	
Linux Shell Programming	CIT 176	3	
Security+	CIT 217	3	
Program Elective	See Degree Sheet	1	
Fine Arts/ Hum/Soc. Sci.	See Degree Sheet or Counselor	3	
Project Management	CIT 263	3	
	<b>TOTAL</b>	16	
	<b>Degree TOTAL</b>	<b>60</b>	

\*\* Summer Sessions can be used to lower semester loads – see your counselor.

**Guided Pathway**  
**Associate of Applied Science Degree**  
**CIT Networking – Client/Server**  
**Total Credits – 60 credits**  
**2014-2015 Catalog**

<b>First Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
English Composition	ENG 107	3	
A+ Hardware	CIT 110	3	
Intro. To Info. Systems	IS 101 Or IS 100	0	
Human Relations	See Degree Sheet or Counselor	3	
Mathematics	Math 116	3	
	<b>TOTAL</b>	12	
<b>Second Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
A+ Software	CIT 111	3	
U.S. & NV Constitutions	PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4	
Network+	CIT 112	3	
Communications	COM 115	3	
Technical Physics	EGG 131	4	
	<b>TOTAL</b>	17	
<b>Third Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
Fund. Of Voice and Data Cabling	CSCO 105	3	
MCITP/MCTS Windows Workstation OS	CIT 211	3	
MCITP/MCTS Netwk. Inf.	CIT 213	3	
Program Elective	See Degree Sheet	3	
Program Elective	See Degree Sheet	3	
	<b>TOTAL</b>	15	
<b>Fourth Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
MCITP/MCTS Windows Server OS	CIT 212	3	
MCITP Active Directory	CIT 215	3	
Internet Forensics	CF 118	3	
Program Elective	See Degree Sheet	1	
Fine Arts/ Hum/Soc. Sci.	See Degree Sheet or Counselor	3	
Project Management	CIT 263	3	
	<b>TOTAL</b>	16	
	<b>Degree TOTAL</b>	<b>60</b>	

\*\* Summer Sessions can be used to lower semester loads – see your counselor.