

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree provides students with the necessary education and skills required by today’s Network Security specialists. Instruction includes courses on server/client centric security issues as well as router/switch centric security issues. It provides students with a wide array of training in various functional areas related to network security. Completion of this course of study prepares students for successful completion of a number of industry certification exams; such as CompTia Security+, Cisco CCNA: Security, and others.

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

- Demonstrate computer hardware/software knowledge and skills.
- Be able to develop basic organization security policies.
- Demonstrate use of networking tools and devices as applies to detecting and mitigating security attacks.
- Demonstrate network security management skills.
- Demonstrate basic project management skills.

GENERAL EDUCATION REQUIREMENTS (23 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115	3	_____
ENGLISH: ENG 107	3	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 116	3	_____
SCIENCE: EGG 131	4	_____
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 (37 Credits):

	CR	SEMESTER
CF 118B Internet Forensics	3	_____
CIT 173 Introduction to Linux	3	_____
CIT 174 Linux System Administration	3	_____
CIT 217 Security+	3	_____
CIT 263B Project Management	3	_____

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	CR	SEMESTER
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 230B Fundamentals of Network Security	4	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
Plus 0-2 credits from the following:		
CF 117B Computer Forensics	3	_____
CIT 110 A+ Hardware	3	_____
CIT 111 A+ Software	3	_____
ET 108B Telecommunications and the Information Age	3	_____
CIT 118B Network Security Management or above	3	_____

Any course with CSCO prefix

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

CITNESEAAS

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 Network Security
Total Credits – 61 credits
2014-2015 Catalog**

First Semester	Requirement	Credit Hours	Term
English Composition	ENG 107	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	
	TOTAL	13	
Second Semester	Requirement	Credit Hours	Term
CCNA Routing Protocols and Concepts	CSCO 121	4	
U.S. & NV Constitutions	PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4	
CCNA LAN Switching and Wireless Fundamentals	CSCO 220	4	
Technical Physics	EGG 131	4	
	TOTAL	16	
Third Semester	Requirement	Credit Hours	Term
CCNA WAN Fund.	CSCO 221	4	
Intro. To Linux	CIT 173	3	
Linux System Admin.	CIT 174	3	
Security+	CIT 217	3	
Project Management	CIT 263	3	
	TOTAL	16	
Fourth Semester	Requirement	Credit Hours	Term
Communications	COM 115	3	
Fund. Of Network Security	CSCO 230	4	
Fine Arts/ Hum/Soc. Sci.	See Degree Sheet or Counselor	3	
Internet Forensics	CF 118	3	
CIT Option	See Degree Sheet	0-2	
	TOTAL	15	
	Degree TOTAL	60	

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