

Computing and Information Technology - Cyber Security - Digital Forensics

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITCSDFAA5

**DESCRIPTION**

The Associate of Applied Science in Computing and Information Technology - Cyber Security - Digital Forensics is a program of study that provides students with the skills necessary to investigate computer crime. It includes instruction in PC troubleshooting and repair Microsoft operating systems and Cisco networking as well as specialized training in computer forensics, network forensic, and digital crime investigators.

**STUDENT LEARNING OUTCOMES**

- Evaluate computer hardware and software.
- Develop organization security policies.
- Explain how to use networking tools and devices to detect and mitigate security attacks.
- Manage the security of a network system.
- Manage a networking project.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3 credits)**

Required: ENG 107 Technical Communications I

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communications

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (4 credits)**

Required: EGG 131 and 131L

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)**

**CORE REQUIREMENTS (27 credits)**

CF 117B	Computer Forensics	3
CF 118B	Internet Forensics	3
CF 119B	Introduction to Electronic Crime for Law Enforcement	3
CF 124B	Digital Crime Investigation	3
CF 217B	Advanced Computer Forensics	3
CIT 110	A+ Hardware	3
CIT 112B	Network+	3
CIT 211	MCITP/MCTS Windows Workstation OS	3
CIT 212	MCITP/MCTS Windows Server OS	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 7-10 credits)**

CF 250B	Mobile Device Forensics	3
CIT 118B	Network Security Management	3
CIT 173	Introduction to Linux	3
CIT 174	Linux System Administration	3
CIT 213	MCITP/MCTS Network Infrastructure	3
CIT 217	Security+	3
CIT 290	Internship in CIT I	1-3
CIT 291	Internship in CIT II	1-3
CRJ 104	Introduction to Administration of Justice	3
CRJ 164	Introduction to Criminal Investigation	3
CSCO 120	CCNA Internetworking Fundamentals	4
CSCO 121	CCNA Routing and Switching Essentials	4
CSCO 220	CCNA Scaling Networks	4
CSCO 221	CCNA WAN Fundamentals	4
CSCO 230B	Fundamentals of Network Security	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - 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.



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REQUIRED CREDITS: 60

DEGREE CODE: CITCSDFAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ENG 107 Technical Communications I	3
COM 115 Applied Communication	3
Complete Human Relations (see courses previous page)	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>12-15</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
EGG 131 and EGG 131L	4
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
Complete US/Nevada Constitutions <sup>1</sup> (see courses previous page)	4-6
CIT 110 A+ Hardware	3
CIT 112B Network+	3
<b>TOTAL CREDITS</b> .....	<b>17-19</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
CF 117B Computer Forensics	3
CF 118B Internet Forensics	3
CIT 211 MCITP/MCTS Windows Workstations OS	3
Complete Electives <sup>2</sup> (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
CF 119B Introduction to Electronic Crime for Law Enforcement	3
CF 124B Digital Crime Investigation	3
CF 217B Advanced Computer Forensics	3
CIT 212 MCITP/MCTS Windows Server OS	3
Complete Electives <sup>2</sup> (see courses previous page)	4
<b>TOTAL CREDITS</b> .....	<b>16</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If student is completing IS 100B and chooses the HIST option, complete HIST 101 in the first semester and take HIST 102 or 217 in the second semester.

<sup>2</sup>Option #1 – If student completes IS100B, then the student must complete 10 Elective credits. Option #2 – If student completes IS101, then the student must complete 7 Elective credits. Please note: This degree plan is set up following Option #1.

