IMPORTANT
Important information about the educational debt, earnings, and completion rates of students who attended this program are located at www.csn.edu/gainful-employment.

DESCRIPTION
Upon successful completion of this certificate program, students will have 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, and digital crime investigation.

STUDENT LEARNING OUTCOMES
- Demonstrate the process of acquiring and handling digital evidence including: the details of computer hard drive configuration and methods of hiding data; encryption methods and implementation methods for deciphering encrypted data; analysis of network traffic and the ability to differentiate between normal and malicious activity; the use of hard-ware and software tools used in computer and network forensics.
- Demonstrate how to set up investigator’s office and laboratory.
- Demonstrate how digital evidence is used in courtroom as well as the requirements for becoming an expert witness.

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 (3 CREDITS)

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

CORE REQUIREMENTS (25 credits)

CF 117B Computer Forensics 3
CF 118B Internet Forensics 3
CF 124B Digital Crime Investigation 3
CF 217B Advanced Computer Forensics 3
CIT 110 A+ Hardware 3
CIT 211 MCITP/MCTS Windows Workstation OS 3
CIT 212 MCITP/MCTS Windows Server OS 3
CSCO 120 CCNA Internetworking Fundamentals 4

Choose one from the following (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

ELECTIVES (choose 0-2 credits)

CF 119B Introduction to Electronic Crime for Law Enforcement 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 121 CCNA Routing and Switching Essentials 4
CSCO 220 CCNA LAN Switching and Wireless Fundamentals 4
CSCO 221 CCNA WAN Fundamentals 4
CSCO 230B Fundamentals of Network Security 4
Computation included in CF 118B
Human Relations included in CF 124B

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.
- 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.

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER Credits
COM 115 Applied Communication 3
CF 117B Computer Forensics 3
CIT 110 A+ Hardware 3
CIT 211 MCITP/MCTS Windows Workstation OS 3
CSCO 120 CCNA Internetworking Fundamentals 4
TOTAL CREDITS.................................................................16-19

SECOND SEMESTER Credits
CF 118B Internet Forensics 3
CF 124B Digital Crime Investigation 3
CF 217B Advanced Computer Forensics 3
CIT 212 MCITP/MCTS Windows Server OS 3
Complete Electives2 (see courses this page) 2
TOTAL CREDITS.................................................................14

DEGREE PLAN TOTAL CREDITS.................................................30-33

1Prerequisite CIT 112B.
2Option #1 – If student completes IS100B, then the student must complete 2 Elective credits. Option #2 – If student completes IS101, then the student must complete 0 Elective credits and will end up completing 31 credits for the degree instead of 30. Please Note - This degree plan is set up following Option #1.

COMPUTING AND INFORMATION TECHNOLOGY PROGRAM
Computing and Information Technology - Cyber Security - Digital Forensics
CERTIFICATE OF ACHIEVEMENT (CA) REQUIRED CREDITS: 30
DEGREE CODE: CITCSDF-CT

FIRST SEMESTER Credits
COM 115 Applied Communication 3
CF 117B Computer Forensics 3
CIT 110 A+ Hardware 3
CIT 211 MCITP/MCTS Windows Workstation OS 3
CSCO 120 CCNA Internetworking Fundamentals 4
TOTAL CREDITS.................................................................16-19

SECOND SEMESTER Credits
CF 118B Internet Forensics 3
CF 124B Digital Crime Investigation 3
CF 217B Advanced Computer Forensics 3
CIT 212 MCITP/MCTS Windows Server OS 3
Complete Electives2 (see courses this page) 2
TOTAL CREDITS.................................................................14

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