

COMPUTER FORENSICS

2009-2010 Program Options:

Computer Forensics Certificate (16)

Computer Forensics AAS Degree (64)

Associate in Applied Science Degree: Computer Forensics

Total Number of Credits: 64

Program Description: Computer forensics is the process of methodically examining computer media for evidence, which includes the collection, preservation, analysis, and presentation of computer-related evidence. This degree prepares students for employment in computer science, information assurance, computer incident investigation, cyberspace ethics and computer law. Graduates may work in the computer technology fields in supporting companies and organizations to protect their interests and helping legal firms to deal with civil litigations. When needed, graduates can also assist law enforcement to combat cyber terrorism and crimes. Computer forensics is the process of methodically examining computer media for evidence, which includes the collection, preservation, analysis and presentation of computer-related evidence. Computer evidence may be useful in human resources, employment proceedings, civil disputes and criminal cases.

Application Requirements: Assessment score placement in MATH 0070, or completion of MATH 0030 with a grade of C or higher and assessment score placement in ENGL 1021, or completion of ENGL 0090 with a grade of C or higher.

Career/Occupational Requirements: 37 credits

CSCI	1060	Introduction to Programming	3
ITT	1021	Principles of Information Security	3
ITT	2020	Network Security Fundamentals	3
CFIT	2065	Introduction to Computer Forensics	3
CFIT	2070	Windows & NTFS File System Forensics	3
CFIT	2075	Computer Investigative Law for Forensic Analysts	3
CFIT	2080	Open Source Forensics Methodology	3
MCST	1001	PC Hardware and Software	4
MCST	1011	Supporting Microsoft Windows XP Professional	3
MCST	1013	Supporting Microsoft Windows 2003 Server	3
MCST	1030	Linux Operating System	3
CJS	2095	Interview, Interrogation, and Investigation	3

Additional Requirements: At least 4 credits - Select from the following courses:

CFIT	2081	Incident Handling and Computer Crime Investigation	3
CFIT	2083	Windows Security & Auditing	3
CFIT	2085	Computer and Network Hacker Techniques I	3
CFIT	2088	Computer and Network Hacker Techniques II	3
CSCI	1081	Programming Fundamentals	3
CSCI	1082	Object-Oriented Programming	3
ITT	1031	Network Fundamentals (CCNA1)	3
ITT	1032	Routing Protocols and Concepts	3
MCST	2015	Administering the Active Directory	3
MCST	2780	Internship	1-6
COMM	1051	Intercultural Communication	3

General Education/MnTC Requirements: 23 credits

Goal 1 – Communication: 7 credits

ENGL	1021	Composition I	4
COMM	1021	Individual Public Speaking	3

Goal 2 – Critical Thinking is fulfilled when all MnTC goals are complete

Goal 3 and/or Goal 4 – Science/Math/Logical Reasoning: 4 credits

MATH	1025	Statistics	4
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Goal 5 – History/Social and Behavioral Sciences: 9 credits

POLS	1031	American Government	3
POLS	1035	Constitutional Law	3
SOC	1080	Introduction to the Criminal Justice System	3

Goal 6 – Humanities and Fine Arts: 3 credits

Goals 7-10: Three credits in one of the four goals (Fulfilled by COMM requirement)

Occupational Certificate: Computer Forensics

Total Number of Credits: 16

Program Description: The certificate in Computer Forensics prepares students to master a variety of operating systems, investigation techniques, incident response tactics, including computer legal issues. Students learn forensic techniques and tools in a lab-style, hands-on setting for both Windows and Linux investigations. This program emphasizes a practical approach so that students can take with them a solid grasp of how open source and commercial forensic tools complete their tasks. This is accomplished by teaching the fundamental concepts of computer forensics using a vendor-independent methodology.

Application Requirements: Minimum assessment score placement in MATH 0070, or completion of MATH 0030 with a grade of C or higher and assessment score placement in ENGL 1021, or completion of ENGL 0090 with a grade of C or higher.

Career/Occupational Requirements: 16 credits

CFIT	2065	Introduction to Computer Forensics	3
CFIT	2070	Windows & NTFS File System Forensics	3
CFIT	2075	Computer Investigative Law for Forensic Analysts	3
CFIT	2080	Open Source Forensics Methodology	3
CJS	2095	Interview, Interrogation, and Investigation	3
MCST	2780	Internship	1

General Requirements:

1. Certificates: 9 to 30 earned college-level credits; one third of credits must be earned at Century College.
AAS: At least 64 earned college-level credits (numbered 1000 or above). At least 20 credits must be earned at Century College.
2. Century college-level GPA of 2.0; Required career and occupational courses GPA of 2.0; MnTC GPA of 2.0.
3. A grade of "C" or higher in ENGL 1021 (for Diplomas and 30 credit Certificates ONLY IF this is the Goal 1 course selected.)
(Exception: 16 credit certificates)

Assessment: *Assessments are required for all students* before registering for classes. Students may be required to take developmental courses in English, Reading and Mathematics based upon their assessment scores.

References to the Minnesota General Education Transfer Curriculum (MnTC): On this guidesheet, notations such as "Goal 1-Communication: 3 credits" are used to refer to the goals of the Minnesota General Education Transfer Curriculum. Refer to the MnTC Course List for the specific courses from which students may choose to fulfill the MnTC requirements of the program, found in the catalog, the Counseling Center and on the Century website. Students should be aware that it may be necessary to select additional MnTC credits beyond the minimum required in each goal area, to reach the total MnTC/General Education credits required for their program.

Career Information: Counselors are available in the Counseling and Career Center, Room 2400 West, to assist with educational and career planning. Resources available include career interest and personality inventories and print and web-based occupational and educational information, e.g., occupational descriptions, employment outlook, earnings, education/training requirements and sources. Consult the **GPS LifePlan** link on the Century website for information on these and more resources for your career, work, and educational planning!

Transfer: Some programs are intended primarily for employment preparation rather than transfer to a four-year institution. Some courses may not transfer to a number of four-year colleges. If you are considering the possibility of transfer, you may wish to talk with a counselor or the program instructor before registering to discuss your goals and look at programs designed for transfer.

Time Limit for Meeting Graduation Requirements: See Century College catalog "Graduation" for information.

Academic Petitions: Any exceptions to the program requirements must be petitioned through the Vice President of Academic Affairs.

Important Telephone Numbers: (651 Area Code)

Admission Office	773-1700
Counseling Office	779-3285
Financial Aid Office	779-3305

Program Instructor:

Israel Aladejebi	Office: 1743 East	773-1787
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