

Computer Forensics

The Computer Forensics program provides a sound educational foundation for the performance of professional activities within the computer forensics arena. A sequence of courses is offered which will enable students to:

(1) develop a knowledge base about computer crime, computer evidence and computer investigation; (2) adopt a set of professional values; and (3) develop skills related to professional activity in the field of computer forensics. Students completing the Computer Forensics program will be prepared to enter the field of computer forensics in a public or private environment as computer crime investigators, computer crime analysts, computer forensics investigators, computer forensics technicians, computer forensics analysts, Internet security technicians and Internet security analysts. Individuals currently working in this or a related field will substantially enhance their knowledge and skills.

STUDENT LEARNING OUTCOMES:

Upon completion of this program graduates will be able to:

- Apply criminal investigation techniques to basic computer forensic investigations.
- Conduct analyses of digital media and recover digital evidence.
- Explain the concept of intrusion and describe the techniques that intruders use to penetrate and damage networks.
- Employ surveillance methods to prevent intrusions.
- Uncover digital evidence of criminal activity in networks.

PROGRAM ENTRY REQUIREMENTS:

Students entering the curriculum are required to demonstrate competency in basic skills by acceptable performance on the College's placement tests (English 101 placement). Some students, as part of the curriculum, may be required to complete appropriate developmental English and mathematics courses. Students will also be required to submit to a criminal record check and may be excluded from the program for felony convictions.

PROGRAM OF STUDY AND GRADUATION REQUIREMENTS:

To qualify for the Associate in Applied Science (A.A.S.) degree in Computer Forensics, the student must complete a minimum of 60 prescribed credit hours and attain a minimum grade point average of 2.0 ("C" average).

CREDIT FOR PREVIOUS ACADEMIC EXPERIENCES:

Persons who have graduated from the Philadelphia Police Academy may be eligible to receive academic credit for Justice 101, Justice 221, Justice 241 and Justice 261. For more information, contact the Computer Forensics curriculum coordinator.

COMPUTER FORENSICS

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
FIRST SEMESTER			
JUS 101 – Survey of Justice		3	
CIS 103 – PC Applications		3	Tech Comp
ENGL 101 – English Composition I		3	ENGL 101
MATH 118 – Intermediate Algebra (or higher)		3	Mathematics
SECOND SEMESTER			
CF 101 – Introduction to Computer Forensics	JUS 101, CIS 103	3	
CIS 104 – PC Operating Systems: Windows		3	
JUS 221 – Criminal Investigation	JUS 101	3	
JUS 241 – Criminal Law	JUS 101	3	
JUS 261 – Criminal Evidence and Procedure	JUS 101	3	
SUMMER SESSION			
CF 201 – Advanced Computer Forensics	CF 101, JUS 221, JUS 241, JUS 261	3	
THIRD SEMESTER			
ENGL 102 – English Composition II		3	ENGL 102, Info Lit
CF 202 – Intrusion Detection and Prevention	CF 201, JUS 221, JUS 241, JUS 261, CIS 104	3	
Social Science Elective		3	Social Sciences
Natural Science Elective		3/4	Natural Science
FOURTH SEMESTER			
JUS or CIS elective*		3	
CF 203 – Network Forensics	CF 202	3	
Humanities Elective		3	Humanities
General Elective		3	
Social Science Elective		3	

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COMPUTER FORENSICS, *continued*

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
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SUMMER SESSION

CF 204 – Computer Forensics Internship	CF 202, CF 203	3	
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MINIMUM CREDITS NEEDED TO GRADUATE**60****General Education Requirements**

All General Education requirements are met through required courses (as indicated above) except for the Writing Intensive requirement, the Interpretive Studies requirement and the American/Global Diversity requirement. Therefore, in order to graduate, students in this program must choose one course that is designated Writing Intensive, one course that is designated Interpretive Studies and one course that is designated American/Global Diversity. The same course may be used to fulfill more than one of these requirements. A list of courses that fulfill these requirements and a more detailed explanation of the College's general education requirements appear elsewhere in this Catalog and on www.ccp.edu.

* This course must be chosen in consultation with an academic advisor

For More Information Contact:

The Division of Liberal Studies, Room BR-21, 1700 Spring Garden Street, Philadelphia, PA 19130,
Telephone (215) 751-8450; or the College Information Center (215) 751-8010.