

Computer Forensics

College of Lake County Grayslake · Vernon Hills · Waukegan · Online

Program Overview

Business Division
Room T102, (847) 543-2041
www.cicillinois.edu/programs/cit

COMPUTER FORENSICS (Associate in Applied Science) Plan 22CU

Required General Education Coursework 15

CMM 111	Communications Skills	CR	
CMM 121	Fundamentals of Speech or		
CMM 128	Interviewing Practices		3
ENG 120	Technical Composition I	CR	
ENG 121	English Composition I		3
PSY 121	Introduction to Psychology	CR	
PSY 122	Psychology in Business and		
	Industry		3
PHI 125	Introduction to Ethics		3
	Science or Math Elective*		3

Required Criminal Justice Coursework 12

CRJ 121	Introduction to Criminal Justice		3
CRJ 123	Introduction to Criminology I		3
CRJ 211	Criminal Procedural Law		3
CRJ 215	Issues in Criminal Justice		3

Required Computer Forensics Coursework . . . 30

CIT 120	Introduction to Computers		3
CIT 131	Windows Operating System		3
CIT 132	Linux Operating System		3
CIT 150	Introduction to Local Area		
	Networking		3
CIT 152	Network Security Fundamentals		3
CIT 155	Introduction to Computer		
	Forensics		3
CIT 156	Digital Evidence Recovery		3
CIT 256	Advanced Digital Evidence		
	Recovery		3
CIT 257	Analysis of Digital Media		3
ELT 151	PC Hardware Fundamentals		3

Additional Required Coursework 3

SOC 223	Deviance		3
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Total Hours for A.A.S. Degree 60

* To complete an A.A.S., students must meet General Requirements detailed in the current CLC catalog. Visit www.cicillinois.edu/catalog/ (select Career Programs).

COMPUTER FORENSICS TECHNICIAN (Certificate) Plan 22CS

This certificate is designed for individuals in both law enforcement and the private sector who wish to learn the skills needed to become a Computer Forensics Technician. The primary responsibility of a Computer Forensics Technician is to investigate and secure evidence on computer hard drives. In addition, a Computer Forensics Technician must also be skilled in crime scene note-taking and report writing.

CIT 120	Introduction to Computers		3
CIT 131	Windows Operating System		3
CIT 132	Linux Operating System		3
CIT 155	Introduction to Computer		
	Forensics		3
CIT 156	Digital Evidence Recovery		3
ELT 151	PC Hardware Fundamentals		3

Total Hours for Certificate 18

COMPUTER FORENSICS ANALYST (Certificate) Plan 22CT

This certificate is designed for individuals in both law enforcement and the private sector who wish to learn the skills needed to become a Computer Forensics Analyst. The primary responsibility of a Computer Forensics Analyst is to investigate, secure and analyze evidence on computer hard drives and networks. In addition, a Computer Forensics Analyst must also be skilled in crime scene note-taking, report writing and presentation of findings.

CIT 120	Introduction to Computers		3
CIT 131	Windows Operating System		3
CIT 132	Linux Operating System		3
CIT 150	Introduction to Local Area		
	Networks		3
CIT 152	Network Security Fundamentals		3
CIT 155	Introduction to Computer		
	Forensics		3
CIT 156	Digital Evidence Recovery		3
CIT 256	Advanced Digital Evidence		
	Recovery		3
CIT 257	Analysis of Digital Media		3
ELT 151	PC Hardware Fundamentals		3

Total Hours for Certificate 30

Typical Jobs

- Computer Forensics Technician, Analyst, Examiner or Consultant
- Computer and Network Forensics Investigator
- E-Discovery Engineering Specialist

Salary Range *

\$37,300 - \$92,200

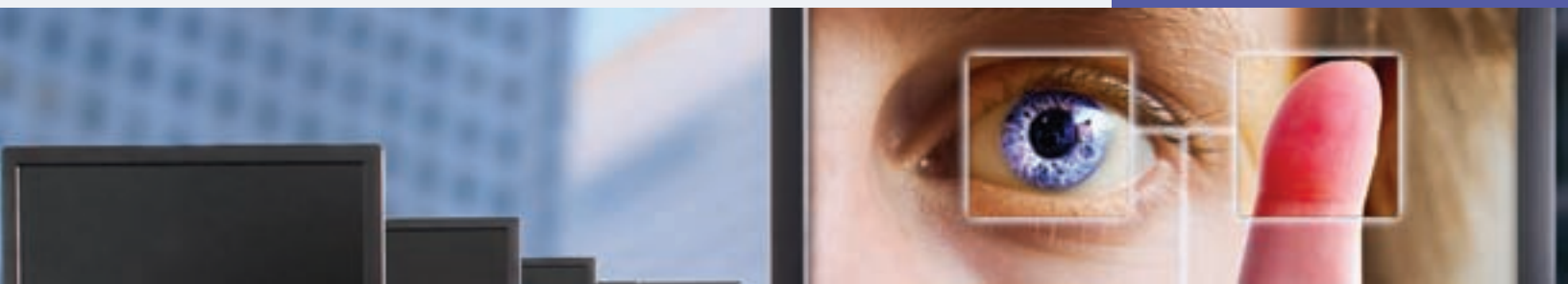
Job Outlook *

The PayScale.com salary survey identified Forensic Computer Analyst as one of the 10 hot jobs that pay close to \$50,000 per year right from the start.

The Bureau of Labor Statistics reports that more than 850,000 new IT jobs will be added during the 20 year period ending in 2016 - an increase of 24 percent - not including replacements for retiring workers.

One job in every 19 created over the course of the next decade will be in technology. While the demand for tech-savvy employees is multiplying, another survey from the Computing Research Association found a 20 percent drop in the number of students completing degrees in computer-related fields. So there will be more jobs than graduates.

* Career information is based on data from the Bureau of Labor Statistics for the Chicagoland area.



Computer Forensics

Nature of Work

Computer forensics is the application of reliable investigative and analysis techniques in an effort to potentially discover digital evidence for legal purposes. This practice often involves examining computers and acquiring data that resides on the storage media used within that system. Generally, computer forensic examiners inspect storage media that include but are not limited to hard drives, floppy diskettes, CDs/DVDs, USB flash drives and other mobile devices. They can retrieve allegedly deleted data, recover encrypted and corrupted digital information and uncover "hidden" files.

Experts in the field have four primary responsibilities:

- Identify and acquire sources of digital evidence
- Preserve the evidence
- Analyze the evidence using standard procedures and tools
- Present findings and conclusions

Computer forensics professionals adhere to the rules of evidence that are admissible in a court proceeding. Therefore, the field requires both technical and legal skills.

How to Register

Visit www.clcillinois.edu/credit/register for steps on how to register.

Advising Notes

Courses may be taken in any order.
All prerequisites must be met.

The CIT A.A.S. degrees are not transferable degrees. However, students who want to transfer someday should take CMM 121, ENG 121, BUS 121, BUS 221, ACC 121, ACC 122, PSY 121, CIT 120 and either MTH 222, MTH 127 or MTH 224. These courses are most likely to transfer even though the degree will not.

Additional Graduation Requirements

- Constitution requirement (proficiency exam, PSC 121, HST 221 or Illinois high school transcript dated 1953 or later.)
- Cumulative CLC GPA of 2.00 or higher.
- Minimum of 15 of last 30 hours at CLC (for A.A.S. and certificate of 30 hours or more, or half the hours required by the certificate while in attendance at CLC).
- Petition to graduate.

Contact Info

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