

COMPUTER INFORMATION SYSTEMS, DIGITAL FORENSICS TECHNOLOGY OPTION, BS

Bachelor of Science in Computer Information Systems, Digital Forensics (244304BS)

More on the Computer Information Systems major (<https://www.uakron.edu/bit/cis/>)

Program Contacts

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Program Description

The Computer Information Systems (CIS) offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the applied skills required the workforce. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills. The CIS program offers high level training for the information technology professionals. Schedules offer a range of day and evening classes.

Department Policy

- **Students must attain a "C" or better in each course in their major area (2440).**
- A cumulative GPA of 2.0 GPA and a minimum of 15 earned credit hours for Inter- and Intra- College Transfer into all Associate and Bachelor's degree programs.
- Prior to enrolling in classes for the B.S. degree you must contact an advisor in Polsky 301.

Career Information

Graduates of the BS CIS – Digital Forensics Technology program are expected to qualify for such positions as law enforcement professionals, computer forensic specialists, data security analysts, systems security administrators, and network security administrators in government, business, information technology, and other industries.

For additional information please visit the Bureau of Labor Statistics (www.bls.gov) or visit the Career Center at Simmons Hall Room 301 (<http://www.uakron.edu/career>).

The following information has official approval of **The Department of Disaster Sciences and Emergency Services** and **The College of Health Professions**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Progress Report (DPR) which is definitive for graduation requirements. *Completion of this degree within the identified time frame*

below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others. The transfer process is completed through an appointment with your academic advisor. The College of Applied Science and Technology recommends that students take the General Education courses listed in this recommended sequence. Transfer students should consult their Advisor to identify courses that are equivalent.

1st Year

Fall Semester		Hours
2020:121	English	3
2030:152	Technical Mathematics II	2
2030:153	Technical Mathematics III	2
2420:104	Introduction to Business	3
2440:247	Hardware Support ¹	3
3800:100	Introduction to Criminal Justice	3
Hours		16

Spring Semester

2020:222	Technical Report Writing	3
2030:154	Technical Mathematics IV	3
2440:145	Introduction to Unix/Linux	3
3800:102	Principles of Criminal Law	3
3800:105	Introduction to Police Studies	3
Hours		15

2nd Year

Fall Semester

2040:240 or 2040:247	Human Relations or Survey of Basic Economics	3
2235:280	Cybercrime	3
2420:263	Professional Communications and Presentations	3
3800:104	Evidence & Criminal Legal Process	3
Natural Science Requirement with Lab		4
Hours		16

Spring Semester

2040:242	American Urban Society	3
2040:243	Contemporary Global Issues	3
2235:281	Computer Forensic Methods	3
3800:298	Applied Ethics in Criminal Justice	3
Select one Elective:		3
2030:xxx	Applied Mathematics	
2440:xxx	Computer Information Systems	
3450:xxx	Mathematics	
3460:xxx	Computer Science	
3470:xxx	Statistics	
3700:xxx	Political Science	
3800:xxx	Criminal Justice	
3850:xxx	Sociology	
Hours		15

3rd Year

Fall Semester

2030:361	Applied Cryptography	3
2235:381	Computer Forensic Methods II	3

2235:382	File System Analysis ¹	3
2440:340	Network Forensics I ¹	3
	Humanities Requirement ³	3
	Hours	15
Spring Semester		
2030:345	Technical Data Analysis	2
2220:480	Digital and Scientific Evidence	3
2440:306	Ethics & Law in Information Technology ²	3
2440:388	Advanced UNIX/Linux ²	3
2440:443	Network Forensics II ²	3
	Natural Science Requirement	3
	Hours	17
4th Year		
Fall Semester		
2040:241	Technology & Human Values	3
2440:430	Network Monitoring and Management ¹	3
2440:441	Cyber Security ¹	3
2440:442	Wireless Forensics ¹	3
	Arts Requirement ³	3
	Hours	15
Spring Semester		
2040:256	Diversity in American Society	3
2440:440	Intrusion Detection ²	3
2440:450	Applied Data Mining ²	3
2440:451	Senior Programming Projects ²	3
	Arts or Humanities Requirement ³	3
	Hours	15
	Total Hours	124

¹ Traditionally Fall Only (See Program Contact).

² Traditionally Spring Only (See Program Contact).

³ All students pursuing a bachelor's degree at the University of Akron must complete the General Education requirements. For efficient completion of UA General Education requirements, it is recommended that students choose an Arts or Humanities course to fulfill the Global Diversity tag for CIS bachelor's programs.

Policy Alert: By the end of your first 48 credit hours attempted, you must have completed your required General Education English, Mathematics, and Communications (Speech) requirements.

Note:

- Students entering the Computer Information Systems programs (Cybersecurity, Digital Forensics, Networking, and Programming) must pass department placement exams or complete the following bridge course prior to enrolling in the program.
 - Bridge Course: 2440:105 Introduction to Computers and Application Software