

Computer Information Systems

Digital Forensics Technology Option, Bachelor of Science Degree (244304BS)

The following information has official approval of The University of Akron's College of Applied Science and Technology but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. 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, and prerequisites, among others. The transfer process is completed through an appointment with your Academic Advisor.

CIS and CJ core courses are in **bold** type. Business core courses are in regular type. General Education requirements are in *italics*. All other courses are in **bold italic** type. If a course is not specified, refer to the General Education webpage at <http://www.uakron.edu/cast/gened>. The College of Applied Science and Technology recommends that students take the General Education courses listed in this curriculum guide. Transfer students should consult their Advisor to identify courses that are equivalent.

Year 1 Fall	Prerequisite
2020:121 <i>English (3)</i>	Placement by Advisor
2030:152 <i>Technical Mathematics II (2)</i>	Placement by Advisor; must pass with C- or better
2030:153 <i>Technical Mathematics III (2)</i>	2030:152
2420:104 Introduction to Business in Global Environment (3)	
3800:100 Introduction to Criminal Justice (3)	
2440:247 Hardware Support (3) (Note a)	
Total Credits = 16	

Year 1 Spring	Prerequisite
2022:222 <i>Technical Report Writing (3)</i>	2020:121 or 3300:111 or equivalent
2030:154 Technical Mathematics IV (3)	
3800:102 Principles of Criminal Law (3)	3800:100
3800:105 Introduction to Police Studies (3)	3800:100
2440:145 Introduction to Unix/Linux (3) (Note a)	2440:105 or placement test
Total Credits = 15	

Year 2 Fall	Prerequisite
<i>Natural Science Requirement with Lab (4)</i>	
2040:247 <i>Survey of Basic Economics (3)</i> -OR- 2040:240 <i>Human Relations (3)</i>	
2420:263 <i>Professional Communications and Presentations (3)</i>	
3800:104 Evidence and Criminal Legal Process (3)	3800:100
2235:280 Cybercrime (3)	3800:100
Total Credits = 16	

Year 2 Spring	Prerequisite
2040:242 <i>American Urban Society (3)</i>	
2040:243 <i>Contemporary Global Issues (3)</i> <i>Fulfills Global Diversity Tag</i>	
2235:281 Computer Forensic Methods (3)	3800:100 or 101
3800:298 Applied Ethics in Criminal Justice (3)	3800:100
Elective (3) 2800:xxx <i>Criminal Justice</i> -OR- 2440:xxx <i>Computer Information Systems</i> -OR- 2030:xxx <i>Applied Mathematics</i> -OR- 3450:xxx <i>Mathematics</i> -OR- 3460:xxx <i>Computer Science</i> -OR- 3470:xxx <i>Statistics</i> -OR- 3700:xxx <i>Political Science</i> -OR- 3850:xxx <i>Sociology</i>	
Total Credits = 15	

Year 3 Fall	Prerequisite
3400:210 <i>Humanities in the Western Tradition I (4)</i> -OR- 3400:221 <i>Humanities in the World Since 1300 (4)</i> <i>Either Course Fulfills Critical Thinking Tag</i>	32 credits and 2020:222 or 3300:112 or 3300:114 or permission
2030:361 Applied Cryptography (3)	2030:154
2235:382 File System Analysis (3)	2235:281
2235:381 Computer Forensic Methods II (3)	2235:281
2440:340 Network Forensics I (3)	Junior/Senior standing and 2235:281
Total Credits = 16	

Year 3 Spring	Prerequisite
<i>Natural Science Requirement without Lab (3)</i>	
2030:345 Technical Data Analysis (2)	2030:154 (with C- or better)
2220:480 Digital and Scientific Evidence (3)	3800:104
2440:306 Ethics and Law in IT (3) (Note a)	Junior/Senior standing
2440:388 Advanced Unix/Linux (3) (Note b)	2440:145
2440:443 Network Forensics II (3)	Junior/Senior standing and 2440:340
Total Credits = 17	

Year 4 Fall	Prerequisite
7100:210 <i>Visual Arts Awareness (3)</i> -OR- 7500:201 <i>Exploring Music, Bach to Rock (3)</i> -OR- 7900:200 <i>Viewing Dance (3)</i> -OR- Arts Requirement (3) (Note d)	3400:210 or 3400:221 3400:210 or 3400:221 3400:210 or 3400:221
2040:241 <i>Technology and Human Values (3)</i> <i>Complex Systems Tag Requirement (3)</i>	
2440:430 Network Monitoring and Management (3) (Note b)	2440:204 or Junior standing
2440:440 Intrusion Detection (3)	Junior/Senior standing and 2440:340 and 388
2440:442 Wireless Forensics (3)	Junior/Senior standing and 2440:340, 388
Total Credits = 15	

Year 4 Spring	Prerequisite
2040:256 <i>Diversity in American Society (3)</i> <i>Fulfills Domestic Diversity Tag</i>	2020:121 or 3300:112 or equivalent
3300:252 <i>Shakespeare and His World (3)</i> -OR- 3600:101 <i>Introduction to Philosophy (3)</i> -OR- Arts or Humanities Requirement (3) (Note d)	For 3300:252 only: 2020:121 and 2020:222 or their equivalents, and 3400:210 or 3400:221
2440:441 Cyber Security (3)	Junior/Senior standing and 2440:340, 361, 388
2440:450 Applied Data Mining (3)	Junior/Senior standing and 2030:345
2440:451 CIS Senior Programming Projects (3) (Note b)	Senior standing
Total Credits = 15	

Total Credits for Degree = 125

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.

You must have a minimum cumulative GPA of a 2.0 to graduate with this degree.

Department of Business and Information Technology Policy Notes

- Students must attain a "C" or better in each course in their major area (2440).
- The Department of Business and Information Technology requires 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.

Notes

- a) Traditionally Fall Only (See Program Contact)
- b) Traditionally Spring Only (See Program Contact)
- c) Prior to enrolling in classes for the B.S. degree you must contact an advisor in Polsky 301.
- d) Course must be part of the Ohio Transfer Module.

BS CIS – Digital Forensics Technology (Total Credits)

- General Education (45/125) = 36%
- Business/Math (11/125) = 9%
- EMHS (12/125) = 10%
- Criminal Justice (18/125) = 14%
- CIS (36/125) = 29%
- Elective (3/125) = 2%

Program Contacts

- Dr. John Nicholas (jn@uakron.edu), 330-972-2563
- Dr. Zarreen Farooqi (zarreen@uakron.edu), 330-972-8858
- Dr. Scott Randby (srandby@uakron.edu), 330-972-6094
- Mr. Stanley Smith (shsmith@uakron.edu), 330-972-6950
- CAST Advising, Polsky Building Room 203, 330-972-7220

Program Description

The **CIS discipline or program area** offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. 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. Schedules offer a range of day, evening and weekend classes.

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>).

Transfer to the College of Applied Science and Technology

To be admitted to the College of Applied Science and Technology, a student must have a GPA of 2.0. A student can complete the transfer process through an appointment with an Academic Advisor in the college in which they reside.