

CYBERCRIMINOLOGY - B.S.

College of Sciences and Humanities
Department of Sociology and Criminology
www.kent.edu/sociology

About This Program

Dive into the thrilling world of cybercriminology and become a mastermind in the fight against digital threats. With Kent State's bachelor's degree, you will unlock the secrets of cybercrime investigation, digital forensics and cyber law enforcement. Harness the power of technology to outsmart hackers, track down cyber criminals and safeguard the digital realm. With hands-on training, expert faculty and real-world simulations, you will emerge ready to defend against the ever-evolving landscape of cyber threats. Read more...

Contact Information

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- **Deirdre Warren** | dwarren5@kent.edu | 330-672-8968
- Speak with an Advisor
 - Ashtabula Campus
 - East Liverpool Campus
 - Geauga Campus
 - Kent Campus
 - Salem Campus
 - Stark Campus
 - Trumbull Campus
 - Tuscarawas Campus
 - Twinsburg Academic Center
- Chat with an Admissions Counselor: Kent Campus | Regional Campuses

Program Delivery

- **Delivery:**
 - Fully online
 - Mostly online
- **Location:**
 - Ashtabula Campus
 - East Liverpool Campus
 - Geauga Campus
 - Kent Campus
 - Salem Campus
 - Stark Campus
 - Trumbull Campus
 - Tuscarawas Campus
 - Twinsburg Academic Center

Examples of Possible Careers and Salaries*

Computer and information systems managers

- 15.2% much faster than the average
- 667,100 number of jobs
- \$171,200 potential earnings

Computer network support specialists

- 1.8% slower than the average
- 152,700 number of jobs
- \$73,340 potential earnings

Database administrators

- -0.7% little or no change
- 78,000 number of jobs
- \$104,620 potential earnings

Database architects

- 8.7% much faster than the average
- 66,900 number of jobs
- \$135,980 potential earnings

Detectives and criminal investigators

- -0.7% little or no change
- 117,900 number of jobs
- \$93,580 potential earnings

Information security analysts

- 28.5% much faster than the average
- 182,800 number of jobs
- \$124,910 potential earnings

Network and computer systems administrators

- -4.2% decline
- 331,500 number of jobs
- \$96,800 potential earnings

Additional careers

- Computer forensic analysts
- Cybercrime investigators
- Digital forensic investigators
- District attorney's office investigators
- Forensic analysts
- Incident managers
- Law enforcement agency (local, state, federal)
- Malware analysts
- Penetration testers
- Security architects
- State department

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at

which half of the workers in the occupation earned more than that amount and half earned less.

Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students.

First-Year Students on the Kent Campus: First-year admission policy on the Kent Campus is selective. Admission decisions are based upon cumulative grade point average, strength of high school college preparatory curriculum and grade trends. Students not admissible to the Kent Campus may be administratively referred to one of the seven regional campuses to begin their college coursework. For more information, visit the admissions website for first-year students.

First-Year Students on the Regional Campuses: First-year admission to Kent State's campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Twinsburg Academic Center, is open to anyone with a high school diploma or its equivalent. For more information on admissions, contact the Regional Campuses admissions offices.

International Students: All international students must provide proof of proficiency of the English language (unless they meet specific exceptions) through the submission of an English language proficiency test score or by completing English language classes at Kent State's English as a Second Language Center before entering their program. For more information, visit the admissions website for international students.

Former Students: Former Kent State students who have not attended another institution since Kent State and were not academically dismissed will complete the re-enrollment process through the Financial, Billing and Enrollment Center. Former students who attended another college or university since leaving Kent State must apply for admissions as a transfer or post-undergraduate student.

Transfer Students: Students who attended an educational institution after graduating from high school or earning their GED must apply as transfer students. For more information, visit the admissions website for transfer students.

Admission policies for undergraduate students may be found in the University Catalog's Academic Policies.

Students may be required to meet certain criteria to progress in their program. Any progression requirements will be listed on the program's Coursework tab

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements (courses count in major GPA)		
CRIM 12000	INTRODUCTION TO JUSTICE STUDIES	3
CRIM 13000	CRIME AND TECHNOLOGY	3
CRIM 33200	CRIMINAL LAW	3
CRIM 34200	CRIMINAL PROCEDURES AND EVIDENCE	3
CRIM 36702	CRIMINOLOGY	3
CRIM 46800	INTELLIGENCE AND NATIONAL SECURITY	3
CRIM 46803	INFORMATION AND CYBER SECURITY	3

IT 11005	INTRODUCTION TO OPERATING SYSTEMS AND NETWORKING TECHNOLOGY	3
IT 11009	COMPUTER ASSEMBLY AND CONFIGURATION	3
IT 13000	APPLIED SECURITY ESSENTIALS	3
IT 15000	FUNDAMENTALS OF PROGRAMMING FOR INFORMATION TECHNOLOGY	3
IT 21002	NETWORK SETUP AND CONFIGURATION	3
IT 21006	DATABASE PROGRAMMING	3
IT 21110	NETWORK ROUTING AND SWITCHING	3
IT 30000	PYTHON PROGRAMMING IN INFORMATION TECHNOLOGY	3
IT 36320	COMPUTER FORENSICS	3
IT 36321	DIGITAL AND NETWORK FORENSICS	3
IT 36330	NETWORK SECURITY FUNDAMENTALS	3
IT 36355	COMMAND LINE UTILITIES	3
IT 38000	AI IN INFORMATION TECHNOLOGY AND CYBERSECURITY	3
IT 38001	CYBER WARFARE	3
IT 40000	CYBERSECURITY	3
IT 46331	NETWORK SECURITY AND FIREWALLS	3
SOC 32210	RESEARCHING SOCIETY (ELR) (WIC) ¹	3
TAS 47999	TECHNICAL AND APPLIED STUDIES CAPSTONE (ELR) (WIC) ¹	3
Major Electives, choose from the following: ²		6
CRIM 30000	INTRODUCTION TO WHITE COLLAR CRIME	
CRIM 37091	SEMINAR IN CRITICAL ISSUES IN CRIMINOLOGY AND JUSTICE STUDIES	
CRIM 46792	INTERNSHIP (ELR)	
CRIM 46801	HOMELAND SECURITY	
CRIM 46802	TERRORISM AND COUNTERTERRORISM	
IT 36314	SEMINAR IN EMERGING COMPUTER AND INFORMATION TECHNOLOGIES	
IT 36319	GENERATIVE AI AND ETHICS IN INFORMATION TECHNOLOGY (WIC)	
IT 36392	INTERNSHIP FOR INFORMATION TECHNOLOGY STUDENTS (ELR)	
IT 36396	CERTIFICATION PREPARATION IN INFORMATION TECHNOLOGY	
IT 41002	CLOUD TECHNOLOGY	
IT 42000	SOCIAL MEDIA SECURITY	
IT 46300	ADVANCED COMPUTER ASSEMBLY AND CONFIGURATION	
IT 46313	VIRTUAL MACHINE CONFIGURATION AND ADMINISTRATION	
Additional Requirements (courses do not count in major GPA)		
SOC 12050	INTRODUCTION TO SOCIOLOGY (KSS)	3
UC 10001	FLASHES 101	1
American Civic Literacy Requirement ³		3
Kent Core Composition		6
Kent Core Mathematics and Critical Reasoning ⁴		3
Kent Core Humanities and Fine Arts (minimum one course from each) ³		6-9
Kent Core Social Sciences (must be from two disciplines) ³		0-3
Kent Core Basic Sciences (must include one laboratory)		6-7
Kent Core Additional		6
General Elective (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours)		2
Minimum Total Credit Hours:		120

- ¹ A minimum C grade must be earned to fulfill the writing-intensive requirement.
- ² It is recommended that students choose one criminology and justice studies (CRIM) course and one information technology (IT) course.
- ³ If students complete the American Civic Literacy requirement by taking HIST 12061, the course will apply to the Kent Core Humanities category. If they complete it with POL 10101, the course will apply to the Kent Core Social Sciences category.
- ⁴ Students are strongly advised to take MATH 10041 or MATH 10051 to fulfill the Kent Core Mathematics and Critical Reasoning requirement.

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

Roadmap

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One		Credits
CRIM 12000	INTRODUCTION TO JUSTICE STUDIES	3
IT 11005	INTRODUCTION TO OPERATING SYSTEMS AND NETWORKING TECHNOLOGY	3
SOC 12050	INTRODUCTION TO SOCIOLOGY (KSS)	3
UC 10001	FLASHES 101	1
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		16
Semester Two		Credits
CRIM 13000	CRIME AND TECHNOLOGY	3
IT 11009	COMPUTER ASSEMBLY AND CONFIGURATION	3
IT 13000	APPLIED SECURITY ESSENTIALS	3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Three		Credits
CRIM 33200	CRIMINAL LAW	3
IT 21002	NETWORK SETUP AND CONFIGURATION	3
American Civic Literacy Requirement		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Four		Credits
CRIM 34200	CRIMINAL PROCEDURES AND EVIDENCE	3
CRIM 36702	CRIMINOLOGY	3
IT 15000	FUNDAMENTALS OF PROGRAMMING FOR INFORMATION TECHNOLOGY	3
IT 21110	NETWORK ROUTING AND SWITCHING	3
IT 36320	COMPUTER FORENSICS	3
Credit Hours		15
Semester Five		Credits
CRIM 46800	INTELLIGENCE AND NATIONAL SECURITY	3
IT 21006	DATABASE PROGRAMMING	3

IT 30000	PYTHON PROGRAMMING IN INFORMATION TECHNOLOGY	3
IT 38001	CYBER WARFARE	3
SOC 32210	RESEARCHING SOCIETY (ELR) (WIC)	3
Credit Hours		15
Semester Six		Credits
IT 36321	DIGITAL AND NETWORK FORENSICS	3
IT 36330	NETWORK SECURITY FUNDAMENTALS	3
IT 36355	COMMAND LINE UTILITIES	3
IT 38000	AI IN INFORMATION TECHNOLOGY AND CYBERSECURITY	3
Major Elective		3
Credit Hours		15
Semester Seven		Credits
IT 40000	CYBERSECURITY	3
IT 46331	NETWORK SECURITY AND FIREWALLS	3
Major Elective		3
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		15
Semester Eight		Credits
CRIM 46803	INFORMATION AND CYBER SECURITY	3
TAS 47999	TECHNICAL AND APPLIED STUDIES CAPSTONE (ELR) (WIC)	3
Kent Core Requirement		3
Kent Core Requirement		3
General Elective		2
Credit Hours		14
Minimum Total Credit Hours:		120

University Requirements

All students in a bachelor's degree program at Kent State University must complete the following university requirements for graduation.

NOTE: University requirements may be fulfilled in this program by specific course requirements. Please see Program Requirements for details.

Flashes 101 (UC 10001)	1 credit hour
Course is not required for students with 30+ transfer credits (excluding College Credit Plus) or age 21+ at time of admission.	
American Civic Literacy	3 credit hours
Experiential Learning Requirement (ELR)	varies
Students must successfully complete one course or approved experience.	
Kent Core (see table below)	36-37 credit hours
Writing-Intensive Course (WIC)	1 course
Students must earn a minimum C grade in the course.	
Upper-Division Requirement	39 credit hours
Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate.	
Total Credit Hour Requirement	120 credit hours

Kent Core Requirements

Kent Core Composition (KCOMP)	6
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA) (min one course each)	9
Kent Core Social Sciences (KSS) (must be from two disciplines)	6
Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory)	6-7
Kent Core Additional (KADL)	6
Total Credit Hours:	36-37

Program Learning Outcomes

Graduates of this program will be able to:

1. Describe the scope of cyber threats and crimes.
2. Apply criminological theories to the commission of computer-related crimes.
3. Apply a solid foundational grounding with digital technologies to digital investigations to combat cybercrime or threats.
4. Compare and contrast digital and traditional evidence as it relates to investigation, processing and use in prosecution.
5. Define and apply policies that include privacy, regulatory, legal and ethical considerations as they relate to responding to and/or investigating cyber threats.

Mandatory Outcomes Assessment

In addition to the other General Requirements of the college, candidates for an undergraduate degree in the College of Sciences and Humanities are required, as a condition of graduation, to participate in an outcomes assessment. These outcomes assessments are conducted by each undergraduate degree program in the College of Sciences and Humanities.

Full Description

The Bachelor of Science degree in Cybercriminology incorporates the understanding of computer systems and networks with criminal behavior and processes in identifying, preventing and investigating cyber-related threats and crimes. Students are involved with project-based research and other experiential learning opportunities focused on technology and the legal, ethical and criminology aspects of modern crime, making them well prepared for work in a myriad of professional positions ranging from security/intelligence analysts and investigators to network and security administrators.