## COMPUTER INFORMATION SCIENCE WITH DIGITAL FORENSICS CONCENTRATION, BA

The Bachelor of Arts with a concentration in Digital Forensics is a variation of the Bachelor of Arts degree with courses designed to train students in digital forensics investigation. Washburn's partnership with the Kansas Bureau of Investigations Forensic Science Center provides the students the opportunity to understand criminal investigations and how crucial computer science is in solving today's crimes.

## **Degree Requirements**

In addition to the requirements stated below, students must complete 34-35 hours of General Education (https://catalog.washburn.edu/ undergraduate/programs-degrees-graduation-requirements/generaleducation-requirements/), all requirements for a Bachelor of Arts (https:// catalog.washburn.edu/undergraduate/college-arts-sciences/degrees/ bachelor-arts/) degree, and any additional hours needed to reach the minimum 120 credit hours required for graduation. Some of the courses below may also fulfill general education or other degree requirements. Please see your advisor for more information.

Required Courses Inside DepartmentCM 111Introduction to Structured Programming4CM 203Digital Forensics I3CM 231Computer Organization/Assembler Language3CM 245Contemporary Programming Methods3CM 261Networked Systems3CM 303Digital Forensics II3CM 307Data Structures & Algorithmic Analysis3CM 322Operating Systems3CM 331Artificial Intelligence or CM 3323CM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requried Courses Outside Department40AN 118Introduction to Forensic Science or CJ 3713cJ 325Applied Criminology or CJ 3743or CN 341Persuasive Speaking or CN 3413Or CN 342Communication-Teams and Groups6	Code	Title	Hours	
CM 203Digital Forensics I3CM 203Digital Forensics I3CM 231Computer Organization/Assembler Language3CM 245Contemporary Programming Methods3CM 261Networked Systems3CM 303Digital Forensics II3CM 307Data Structures & Algorithmic Analysis3CM 322Operating Systems3CM 331Artificial Intelligence3or CM 332Data Mining3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Required Courses Outside DepartmentAN 118Introduction to Forensic Science or CJ 3713or CJ 371Intro to Forensic Photography or CJ 3743Or CN 340Interviewing or CN 3423or CN 342Communication-Teams and Groups3	Required Courses Inside Department			
CM 231Computer Organization/Assembler Language3CM 245Contemporary Programming Methods3CM 261Networked Systems3CM 303Digital Forensics II3CM 307Data Structures & Algorithmic Analysis3CM 322Operating Systems3CM 331Artificial Intelligence or CM 3323OM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requiried Courses Outside DepartmentAN 118Introduction to Forensic Science or CJ 3153or CJ 371Intro to S-D Scanner3cN 340Interviewing or CN 3413or CN 341Persuasive Speaking or CN 3423or CN 342Communication-Teams and Groups3	CM 111	Introduction to Structured Programming	4	
LanguageCM 245Contemporary Programming Methods3CM 261Networked Systems3CM 303Digital Forensics II3CM 307Data Structures & Algorithmic Analysis3CM 307Data Structures & Algorithmic Analysis3CM 322Operating Systems3CM 331Artificial Intelligence3or CM 332Data Mining3CM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requiried Courses Outside DepartmentAN 118Introduction to Forensic Science or CJ 3153or CJ 371Introduction to Forensic Investigations3cJ 325Applied Criminology or CJ 3743or CN 340Interviewing or CN 3413or CN 341Persuasive Speaking or CN 3423or CN 342Communication-Teams and Groups3	CM 203	Digital Forensics I	3	
CM 261Networked Systems3CM 303Digital Forensics II3CM 307Data Structures & Algorithmic Analysis3CM 307Data Structures & Algorithmic Analysis3CM 322Operating Systems3CM 331Artificial Intelligence3or CM 332Data Mining3CM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 315Introduction to Forensic Investigations3CJ 325Applied Criminology3or CJ 374Intro 0 3-D Scanner3CN 340Interviewing or CN 3413or CN 342Communication-Teams and Groups3	CM 231		3	
CM 303Digital Forensics II3CM 307Data Structures & Algorithmic Analysis3CM 307Data Structures & Algorithmic Analysis3CM 322Operating Systems3CM 331Artificial Intelligence3or CM 332Data Mining3CM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3CJ 325Applied Criminology3or CJ 371Intro o 3-D Scanner3CN 340Interviewing3or CN 341Persuasive Speaking or CN 3423or CN 342Communication-Teams and Groups3	CM 245	Contemporary Programming Methods	3	
CM 307Data Structures & Algorithmic Analysis3CM 322Operating Systems3CM 321Artificial Intelligence3or CM 332Data Mining3CM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3CJ 325Applied Criminology or CJ 3743or CN 340Interviewing3or CN 341Persuasive Speaking or CN 3423or CN 342Communication-Teams and Groups3	CM 261	Networked Systems	3	
CM 322Operating Systems3CM 331Artificial Intelligence3or CM 332Data Mining3CM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3CJ 325Applied Criminology or CJ 3713or CN 340Interviewing Persuasive Speaking or CN 3413or CN 341Persuasive Speaking or CN 3423	CM 303	Digital Forensics II	3	
CM 331Artificial Intelligence3or CM 332Data Mining3CM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3cJ 325Applied Criminology3or CJ 371Intro to Forensic Photography3or CJ 374Intro to 3-D Scanner3CN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups3	CM 307	Data Structures & Algorithmic Analysis	3	
or CM 332Data MiningCM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science or CJ 1153CJ 325Applied Criminology or CJ 3713or CJ 371Intro to Forensic Photography or CJ 3743or CN 340Interviewing or CN 3413or CN 341Persuasive Speaking or CN 3423	CM 322	Operating Systems	3	
CM 361Cybersecurity3CM 465Computer Information Science Capstone Project3Upper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3CJ 325Applied Criminology3or CJ 371Intro to Forensic Photography3or CJ 374Intro to 3-D Scanner3CN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups3	CM 331	Artificial Intelligence	3	
CM 465Computer Information Science Capstone Project3 ProjectUpper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Scienceor CJ 115Introduction to Forensic InvestigationsCJ 325Applied Criminologyor CJ 371Intro to Forensic Photographyor CJ 374Intro to 3-D ScannerCN 340Interviewingor CN 341Persuasive Speakingor CN 342Communication-Teams and Groups	or CM 332	Data Mining		
ProjectUpper Division CM electives6Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3CJ 325Applied Criminology3or CJ 371Intro to Forensic Photography3or CJ 374Intro to 3-D Scanner3CN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups	CM 361	Cybersecurity	3	
Subtotal40Requried Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3CJ 325Applied Criminology3or CJ 371Intro to Forensic Photography3or CJ 374Intro to 3-D Scanner3CN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups	CM 465		3	
Required Courses Outside DepartmentAN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3CJ 325Applied Criminology3or CJ 371Intro to Forensic Photography3or CJ 374Intro to 3-D Scanner3CN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups	Upper Division (	6		
AN 118Introduction to Forensic Science3or CJ 115Introduction to Forensic Investigations3CJ 325Applied Criminology3or CJ 371Intro to Forensic Photography3or CJ 374Intro to 3-D Scanner3CN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups	Subtotal		40	
or CJ 115Introduction to Forensic InvestigationsCJ 325Applied Criminology3or CJ 371Intro to Forensic Photographyor CJ 374Intro to 3-D ScannerCN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups	Requried Courses Outside Department			
CJ 325Applied Criminology3or CJ 371Intro to Forensic Photography3or CJ 374Intro to 3-D ScannerCN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups	AN 118	Introduction to Forensic Science	3	
or CJ 371Intro to Forensic Photographyor CJ 374Intro to 3-D ScannerCN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups	or CJ 115	Introduction to Forensic Investigations		
or CJ 374Intro to 3-D ScannerCN 340Interviewing3or CN 341Persuasive Speaking3or CN 342Communication-Teams and Groups	CJ 325	Applied Criminology	3	
CN 340Interviewing3or CN 341Persuasive Speakingor CN 342Communication-Teams and Groups	or CJ 371	Intro to Forensic Photography		
or CN 341Persuasive Speakingor CN 342Communication-Teams and Groups	or CJ 374	Intro to 3-D Scanner		
or CN 342 Communication-Teams and Groups	CN 340	Interviewing	3	
· · · · · · · · · · · · · · · · · · ·	or CN 341	Persuasive Speaking		
	or CN 342	Communication-Teams and Groups		
MA 140 Statistics 3	MA 140	Statistics	3	
MA 141 Applied Calculus I 3-5	MA 141	Applied Calculus I	3-5	

or MA 151	Calculus & Analytic Geometry I	
MA 206	Discrete Mathematics for Computing	3
PH 220	Symbolic Logic	3
Subtotal		21-23
Total Hours		61-63