

## Requirements for the B.S. Degree in Cybersecurity

Department of Computer Science and Engineering, University of Central Arkansas 4/7/26 revised

### Required Courses (51 hours)

Pref/Num	Title	Prerequisites
CSCI 1470	Comp. Sci. I	MATH 1390
CSCI 1480	Comp. Sci. II	CSCI 1470
CSEC 2300	Intro. Cyber.	CSCI 1470
CSCI 2320	Data Struct.	CSCI 1480
CSCI 2335	Networking	CSCI 1480
PSCI 3316	Cyber. Law & Pol. [C]	PSCI 1330, 2300
CSEC 3320	Comp. Foren. [I]	CSEC 2300, CSCI 4305
CSCI 3330	Algorithms	CSCI 2320, MATH 2330
CSCI 3360	DB Sys. [C]	CSCI 2320
CSCI 4300	Operating Sys.	Jun/Sen, CSCI 3330
CSCI 4305	Linux/UNIX Sys.	CSCI 2320
CSCI 4315	Info. Sec. [R]	Jun/Sen, CSCI 2335
CSCI 4321	Ethics [G, R]	Jun/Sen, CSCI 2320
CISA 4355	Project Mgmt. [Z]	CSEC 3320
CISA 4361	Cyber. Gov. & Pol.	CSEC 2300
CSEC 4490	Cyber. Capstone [Z] <sup>1</sup>	CSEC 3320, CSCI 4321

### Math Required Courses (10 hours)

Pref/Num	Title	Prerequisites
MATH 1491 or MATH 1496	Appl. Cal. or Cal. I	MATH 1390  (MATH 1390, 1392)/ MATH 1486
MATH 2311 or CISA 2330 or PSCI 2312	Elem. Stat. or Bus. Stat. or Stat. Methods	
MATH 2330	Disc. Struct. I	MATH 1491/1496, CSCI 1470

### Concentration<sup>2</sup> Courses (12 hours)

Pref/Num	Title	Prerequisites
<b>Cybersecurity Strategic Policy</b>		
PSCI 3369	Cyber Citizenship	PSCI 1330
PSCI 4312	China & Int. Pol. [G]	PSCI 1330, 2300
PSCI 4388	American For. Pol.	PSCI 1330, 2300
PSCI 4389	Russian For. Pol.	PSCI 1330, 2300
<b>Management of Cybersecurity</b>		
CISA 3V82	Internship <sup>3</sup>	Jun/Sen
CISA 3321	Mng. Sys. & Tech.	
CISA 4360	Principles Info. Sec.	
CISA 4380	Bus. Intel. & Data Vis.	CISA 3321/ MATH 3311
<b>Cyberphysical Security</b>		
CSCI 3V75	Internship <sup>4</sup>	Jun/Sen
CSEC 4320	Ethical Hacking	CSCI 4305, 4315, 4321
CSEC 4330	S/W Sec.	CSCI 4315
CSEC 4335	Network Sec.	CSCI 4315

1 Corequisite: CISA 4355 (Project Mgmt.)

2 Choose one concentration

3 with V = 3 or an upper-division course approved by the CSE chair

4 with V = 3 or an upper-division course approved by the CSE chair (for additional information, visit <https://uca.edu/cse/internships/>)

Notes:

- Prerequisite columns: "A, B" means "A and B"; "A/B" means "A or B"
- UCA Upper-Division Core: Communication [C], Global Learning [G], Critical Inquiry [I], Responsible Living [R], Capstone [Z]

For additional information, consult your academic advisor or visit

<https://bit.ly/2QfEkz1>