

# COMPUTER INFORMATION SYSTEMS – Cybersecurity Concentration

## 2022 - 2023

Name \_\_\_\_\_

ID \_\_\_\_\_

### General Education

35 hours

#### Composition (6 hrs)

ENGL 1013 Comp. I  
ENGL 1023 Comp. II

COMP

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#### Fine Arts (3 hrs)

Choose one:

ART 1053 Art Appreciation  
FA 1013 Fine Arts Appreciation  
FA 1023 Film Appreciation  
MUSIC 1113 Music Appreciation

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#### Humanities (3 hrs)

Choose one:

Any literature course  
Any philosophy course  
Any foreign language course

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#### Communication (3 hrs)

Choose one:

COMM 1023 Public Speaking  
COMM 2203 Interpersonal Comm.  
COMM 2283 Business & Professional  
NRM 2063 Natural Resources Communication

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#### U.S. History or Government (3 hrs)

Choose one:

HIST 2213 American History I  
HIST 2223 American History II  
PSCI 2213 Amer. Nat. Govt.

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#### Social Sciences (6 hrs)

Choose two courses from different disciplines:

ANTH 2203 Cultural Anthropology  
ANTH 2213 North American Indians  
ANTH 2223 World Prehistory  
ANTH 2233 Arkansas Regional Archeology  
ANTH 2243 Sex, Gender, and Culture  
ANTH 2253 Intro to Archeology  
CJ 1013 Intro. to Criminal Justice  
CJ 2293 Law and Society (same as PSCI 2293)  
ECON 2203 Prin. Macroeconomics  
ECON 2213 Prin. of Microeconomics  
GEOG 2213 Geography I  
GEOG 2223 Geography II  
HIST 1013 World History to 1500  
HIST 1023 World History since 1500  
PSCI 2223 State Government Arkansas  
PSCI 2233 Comparative Politics  
PSCI 2293 Law and Society (same as CJ 2293)  
PSCI 2353 World Politics  
PSY 1013 Intro. to Psychology  
SOC 2213 Intro. to Sociology  
SOC 2223 Social Problems  
SWK 1003 Survey of Social Work

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#### Mathematics (3 hrs)

Any MATH 1000 level or above

MATH 1003 Quantitative Literacy  
MATH 1043 College Algebra  
MATH 1103 Quantitative Literacy w/Review

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COMP

#### Science w/lab (8 hrs)

Choose two 3-hour lecture courses with associated 1-hour labs or 4-hour courses with integrated labs:

Biology/Lab  
Chem./Lab  
Earth Sci./Lab  
Physics/Lab

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### Major Requirements

22 hours

CIS 1193 PC Hardware/Software Maintenance  
CIS 2203 Programming Logic & Design  
CIS 2223 Microcomputer Applications  
CIS 3523 System Analysis & Design  
CIS 4503 Data Communications & Networking  
CIS 4623 Database Mgmt. Systems  
CIS 4634 Software Development Project

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### Cybersecurity Concentration

18 hours

Choose one:

CIS 3423 COBOL  
CIS 3443 Object-Oriented Programming  
CIS 3123 Linux Operating Systems  
CIS 3473 Cyberlaw  
CIS 3623 Computer Forensics  
CIS 4253 Cybersecurity  
CIS 4263 Ethics in Information Systems

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### Supportive Requirements

21 hours

ACCT 2213 Principles of Financial Accounting  
CJ 1013 Introduction to Criminal Justice  
Choose one:  
ECON 2203 Prin. of Macroeconomics  
ECON 2213 Prin. of Microeconomics  
ECON 2113 Business Statistics I  
GB 2043 Business Communications  
MKT 3403 Principles of Marketing  
Choose one:  
MGMT 3473 Prin. of Mgmt. & Org. Behavior  
MGMT 4613 Mgmt. Info. Systems

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### Electives

24 hours

\*\*General electives:

† UST 1001 or 1003 Pathway to Success

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\* Required for first-time freshman

\*\* 3 hours must be at the 3000-4000 level

For General Electives, CIS recommends the following:  
CIS 3103 Advanced Microcomputer Applications

A Business Minor may be obtained by taking ACCT 2223, MGMT 3473, FIN 3473, and a 3 upper level elective hour in ACCT, ECON, FIN, GB, MGMT, or MKT