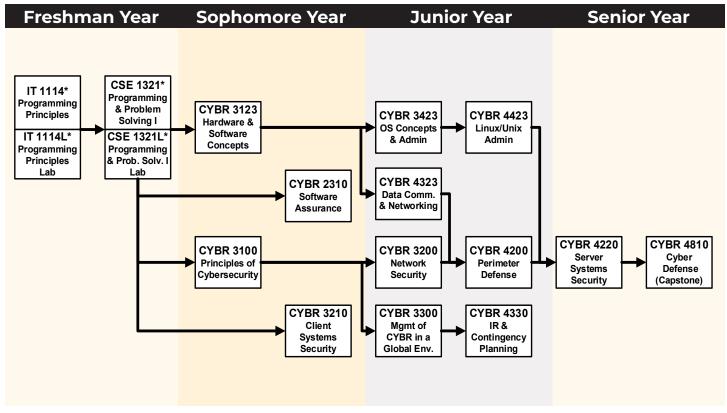


BS-CYBERSECURITY

RECOMMENDED CYBR COURSE SEQUENCE



Arrows indicate prerequisite structure.

* IT 1114 **must** be taken with IT 1114L. CSE 1321 **must** be taken with CSE 1321L: both should be completed in the freshman year to avoid delaying graduation

Major Electives

- CYBR 3220 Global IS Project Management OR CYBR 3223 - Software Acquisition and Project Management
- CYBR 3396 Cooperative Studies
- CYBR 3398 Internship
- CYBR 4400 Directed Study
- CYBR 4490 Special Topics
- CYBR 4700 Emerging Topics in Cybersecurity
- Any 3xxx or 4xxx IS/ISA/IT/CS/CRJU course the student can meet the prerequisites for except restricted ISA or IT Security courses (see advisor for complete listing)

Students should see an advisor yearly to maintain progress toward graduation:

cyberinstitute.kennesaw.edu/academics/Advising.php or cyberinstitute@kennesaw.edu

Minors Available Criminal Justice Minor (9 Major Elective + 3 Free Elective hours)

Students desiring this minor should take the CJ specialization **AND**

- CRJU 3312 State and Federal Law Enforcement Initiatives
- CRJU 3332 Corrections OR CRJU 3352 Juvenile Justice
- CRJU 3340 Legal Analysis
- CRJU 4305 Technology abd Cybercrime

Crisis Preparedness Minor (9 Major Elective + 3 Free Elective hours)

Required Courses (6 Credit Hours)

- PR 4460 Crisis Communication
- POLS 4200 Homeland Security Administration

Elective Courses (6 Credit Hours) from:

- CRJU 4100 Ethics in Criminal Justice
- PR 4670 Crisis Leadership Communication
- POLS 4437 Global Security

Note: Students may select other options for these minors, however these are recommended by the Cybersecurity program director.



BS-CYBERSECURITY

BS-CYBR MAJOR REQUIREMENTS

GENERAL EDUCATION (AREAS A-E / 42 CREDIT HOURS) - See the KSU catalog for complete listing of requirements.

The area A2 requirement is MATH 1113, and the area D1 requirement is MATH 1190 - Calculus I. The area D2 requirement is the CHEM, PHYS, or BIOL sequence.

LOWER DIVISION MAJOR REQUIREMENTS (AREA F / 18 CREDIT HOURS)

- ACCT 2101 Principles of Accounting I
- ECON 2300: Business Statistics **OR** STAT 2332: Probability and Data Analysis
- IT 1114 Programming Principles AND IT 1114L Programming Principles Lab
- CSE 1321 Programming & Problem Solving I AND CSE 1321L Programming & Problem Solving I Lab
- CYBR 2310 Software Assurance

One hour from Area D (see advisor for details)

UPPER DIVISION MAJOR REQUIREMENTS (37 CREDIT HOURS)

Upper Division Technical Core (13 Credit Hours)

- CYBR 3123 Hardware and Software Concepts
- CYBR 3423 Operating Systems Concepts & Administration
- CYBR 4323 Data Communications & Networking
- CYBR 4423 Linux/Unix Administration

One hour from Area D (see advisor for details)

Upper Division Security Core (24 Credit Hours)

- CYBR 3100 Principles of Cybersecurity
- CYBR 3200 Network Security
- CYBR 3210 Client Systems Security
- CYBR 3300 Management of Cybersecurity in a Global Environment
- CYBR 4200 Perimeter Defense
- CYBR 4220 Server Systems Security
- CYBR 4330 Incident Response and Contingency Planning
- CYBR 4810 Cyber Defense (Capstone)

UPPER DIVISION MAJOR SPECIALIZATIONS (9 Credit Hours)

All BS-CYBER students are required to take a minimum of 9 credit hours as an upper-level specialization. They must choose one of the following tracks and complete all of the courses listed. The options are:

Systems Security Track

- CYBR 3153 Database Systems
- CYBR 4843 Ethical Hacking for Effective Defense OR CYBR 4883 Infrastructure Defense
- CYBR 4350 Management of Digital Forensics and eDiscovery OR CYBR 4853 Computer Forensics

Network Security Track

- CYBR 4333 Network Configuration & Administration
- CYBR 4833 Wireless Security
- CYBR 4893 Internet of Things: Applications and Security

Cybercrime Track

- CRJU 1101 Foundations of Criminal Justice
- CYBR 3305 Technology and Criminal Justice
- CYBR 4305 Technology and Cyber Crime

MAJOR ELECTIVES (9 Credit Hours) FREE ELECTIVES (5 Credit Hours)