



2020 Cyber Security Curriculum

Notes: This curriculum is effective for all students enrolling in CS 100 in Fall 2020 or later. Red lines between courses indicate course prerequisites.

Freshman Year
15
15

EN 101
Eng Comp I
3 hours

ENGR 103
Engr Found
3 hours

MATH 125
Calculus I
4 hours

CS 100
CS I
4 hours

CS 121
CS Discipline
1 hour

PH 105
Physics w/ Cal I
4 hours

MATH 126
Calculus II
4 hours

CS 101
CS II
4 hours

CS 140
Intro to Cyber Security
3 hours

Sophomore Year
14
17

EN 102
Eng Comp II
3 hours

PH 106
Physics w/ Cal II
4 hours

MATH 301
Discrete I
3 hours

CS 200
Software Eng
4 hours

COM 123
Public speaking
3 hours

MATH 237
Linear Alg
3 hours

GES 255 or MATH 355
Statistics
3 hours

CS 201
Data Str & Alg
4 hours

ECE 380
Digital Logic
4 hours

All the 400-level CS courses have CS 300, CS 301 and ECE 383 as their prerequisites.

Junior Year
16
16

EN 319
Tech Writing
3 hours

HI/SB
Elective
3 hours

CS 300
Operating Sys
3 hours

CS 301
Database Sys
3 hours

ECE 383
Computer Org
4 hours

Nat Sci
Elective
4 hours

HI/SB
Elective
3 hours

CS 347
Cyber Law/Ethics
3 hours

CS 428
Comp Security
3 hours

CS 470 or 475
Theory
3 hours

Senior Year
15
15

HI/SB
Elective
3 hours

CS Cyber
Elective
3 hours

CS Cyber
Elective
3 hours

CS 442
Cryptography
3 hours

ECE 484
Comp Architect
3 hours

Free
Elective
3 hours

HU/L/FA
Elective
3 hours

CS Cyber
Elective
3 hours

CS 448
Network Security
3 hours

CS 495 – Cap Comp
Prereqs:
(CS470 or CS475)
and add'l CS 4xx
3 hours