

B.S. Computer Science Cybersecurity



First Year

Fall

Course Number	Course Title	Credits (16)
SPCH xxxx	WS elective	3
CSC 1500	Computer Science I	3
ENGL 1100	Writing I (W)	3
FYE 1021	FYE Seminar in Computer Science (R & IL)	3
MATH 1300	Precalculus	4

Spring

Course Number	Course Title	Credits (15)
MATH 2800	Statistical Analysis	3
CSC/MATH 1900	Discrete Mathematics	3
CSC 1550	Computer Science II	3
ENGL 1200	Writing II (W&IL)	3
SI/ LAB	Natural Sciences Course (SI)	3

Sophomore Year

Fall

Course Number	Course Title	Credits (16)
CSC 2560	Systems Programming	3
MATH 2300	Calculus I	4
SI/Lab	Natural Sciences Course -2	3
EXSS xxxx	PW elective	3
	FA elective	3

Spring

Course Number	Course Title	Credits (17)
CSC 3700	Algorithms and Data Structures	3
CSC 1650	Digital Electronics	4
MATH 2400	Calculus II	4
CSC 3040	Cybersecurity Management	3
	DP elective	3

Junior Year

Fall

Course Number	Course Title	Credits (16)
CSC 2600	Computer Organization	4
CSC 3200	Programming Languages	3
CSC 3050	Web Programming	3
HISTxxxx	HI elective	3
	Free elective	3

Spring

Course Number	Course Title	Credits (15)
CSC 3100	Operating Systems	3
MATH 2600	Linear Algebra	3
	CV elective	3
CSC4005	Ethical Hacking	3
CSC 3450	Local Area Networks	3

Senior Year

Fall

Course Number	Course Title	Credits (12)
CSC 3xxx	CS elective 3	3
CSC 3xxx	CS elective 4	3
CSC 4100	Ethics and Impacts in CS (ER)	3
	Free Elective	3

Spring

Course Number	Course Title	Credits (13)
CSC 4400	Software Engineering	3
	Free Elective	3
ENG	LI elective	3
	Free Elective	4

Completion of 120 credits is required for graduation

General Education

Foundation (3 credits each)

- Reading & Info Literacy First-Year Exper. (R & IL)
- Writing (W): Writing I
- Writing & Info. Literacy (W & IL): Writing II
- Quantitative Reasoning (QR)
- World Languages, Speaking and Listening (WS)

Exploration (3 credits each)

- Civic Learning (CV)
- Diverse Perspectives (DP)
- Ethical Reasoning (ER)
- Fine Arts Expression & Analysis (FA)
- Historical Inquiry & Analysis (HI)
- Literary Inquiry & Analysis (LI)
- Personal Wellness (PW)
- Procedural & Logical Thinking (PL)
- Scientific Inquiry & Analysis (SI)

General Education: MAJ

There may be major courses that have been approved to fulfill up to 3 General Education requirements (at least 9 credits). Varies by major and concentration.