

Computer Science Major

Required Courses

Course		Credits	Semester
BI 4213	Christian Ethics	3	F, SP
LUSS 2093	Impact of Internet Technologies on Society	3	F, SP
CCT 1133	Introduction to Computing	3	F
CCT 395V	Internship	1-3	F, SP, SU
CCT 405V	Senior Seminar	3	F, SP
CS 1213	Introduction to Computer Programming	3	F, SP
MA 2103	Discrete Math	3	F, SP
CS 2233	Data Structures	3	F, SP
CS 2243	Database Management Systems	3	SP
CS 2323	Computer Organization	3	F, SP
CS 3123	Object-oriented Programming and Design	3	SP
CS 3233	Computer Graphics	3	F
CS 3433	Numerical Methods	3	SP
CS 3523	Operating Systems	3	SP
CS 3623	Design and Analysis of Algorithms	3	F
CS 3633	Advanced Algorithms	3	SP
CS 3713	Comparative Programming Languages	3	SP
CS 4223	Compiler Construction	3	F
IT 3313	Network Principles	3	F, SP
MA 1314	Calculus I	4	F, SP, SU
MA 2314	Calculus II	4	F, SP, SU
MA 3123	Mathematical Theory of Statistics	3	F, SP
MA 3213	Linear Algebra	3	F, SP
PH 2414	General Physics I (with lab)	4	SP, SU
SENG 2513	Introduction to Software Engineering	3	F
SENG 3233	Software Studio I	3	F, SP
CS 3XX3/4XX3	CS/IT/SEC/SENG/CCT Upper-division Electives	9	F, SP
ENGR 0xy0	Networking and Professional Development	0	F, SP

** Taken every semester

2024-25 Academic Year **TOTAL: 88**

Advising notes:

NOTE: All students must achieve a C or above in prerequisite courses in order to progress to the next course.