

# Software Engineering 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
CS 1213	Introduction to Computer Programming	3	F, SP
CS 2233	Data Structures	3	F, SP
CS 2243	Database Management Systems	3	SP
CS 2323	Computer Organization	3	F
CS 3123	Object-oriented Programming and Design	3	SP
CS 3233	Computer Graphics	3	F
CS 3523	Operating Systems	3	SP
CS 3623	Design and Analysis of Algorithms	3	F, SP
CS 3423	Competition Programming	3	SP
IT 2233	User Interface Design	3	SP
IT 2313	Cloud Services	3	SP
IT 3313	Network Principles	3	F, SP
MA 1314	Calculus I	4	F, SP, SU
MA 2103	Discrete Math	3	F, SP
MA 2183	Elementary Statistics	3	F, SP, SU
MA 3213	Linear Algebra	3	F, SP
SEC 3113	Fundamentals of Information Security	3	F
SENG 2513	Introduction to Software Engineering	3	F
SENG 3233	Software Studio I	3	F
SENG 3243	Software Studio II	3	SP
SENG 4233	Software Studio III	3	F
SENG 4243	Software Studio IV	3	SP
BY1003/CM1013/PH1013	Foundations of Biology/Chemistry/Physics w/lab	3	F, SP, SU
CS 3XX3/4XX3	CS Electives	9	F, SP
Nine (9) credit hours of upper-division CS, SENG, SEC, IT, or DS courses			
ENGR 0xy0	Networking and Professional Development	0	F, SP
** Taken every semester			

**TOTAL: 88**

Advising notes:

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

