

Minor in Software Engineering



Catalog Year: 2023

Updated 6/9/2023

Required Courses (7 credit hours)

	Prerequisite	Cr	
CSE 1322 Programming & Problem Solving II	CSE 1321/L 'B' or better Concurrent: CSE 1322L & MATH 1113/1190	3	
CSE 1322L Programming & Problem Solving II Lab	CSE 1321/L 'B' or better Concurrent: CSE 1322 & MATH 1113/1190	1	
SWE 3313 Introduction to Software Engineering	CSE 1322/L with 'B' or better	3	

Note: Students must make a 'B' or better in CSE 1321, CSE 1321L, CSE 1322 and CSE 1322L. You will take CSE 1321 & CSE 1321L concurrently and in the following semester take CSE 1322 & CSE 1322L concurrently.

CSE 1321 & CSE 1321L are not a part of the minor requirements but must still be taken to meet prerequisite requirements. Please meet with the academic advising office for your major to determine if and how CSE 1321 & CSE 1321L can be used for your major requirements. Students are intended to take CSE 1321 & CSE 1321L as part of their major requirements (as free electives, lower-division electives, related studies, or other credit).

Upper Division Electives (9 credit hours)

Select 3 additional SWE 3000-level and/or 4000-level courses

	Prerequisite	Cr	
SWE 3623 Software Systems Requirements	(SWE 3313 & (MATH 2345 or CSE 2300)) or CPE 3000	3	
SWE 3633 Software Architecture and Design	SWE 3313 or CPE 3000	3	
SWE 3643 Software Testing & Quality Assurance	SWE 3313 or CPE 3000	3	
SWE 4324 User-Centered Design	SWE 3313	3	
SWE 4783 User Interaction Engineering	SWE 3313 or SWE 4324	3	
SWE 4490 Special Topics	Varies	3	
Any other 3000- or 4000-level SWE prefix course	Varies	3	

Program Total: 17 credit hours