

# SOFTWARE ENGINEERING MINOR

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Code	Title	Units
<b>Lower-Division Requirements</b>		
CSC 1043 and CSC 1043L	Introduction to Computer Programming and Introduction to Computer Programming Lab	3
CSC 1054 and CSC 1054L	Objects and Elementary Data Structures and Objects and Elementary Data Structures Lab	4
CSC 2054 and CSC 2054L	Data Structures and Algorithms and Data Structures and Algorithms Lab	4
<b>Upper-Division Requirements</b>		
CSC 3003 or CSC 3022	Python and UNIX Data Management for Data Analytics	2-3
CSC 3014	Operating Systems	4
CSC 3023	Software Engineering	3
MTH 3043	Discrete Mathematics	3
<b>Total Units</b>		<b>23-24</b>