

Bachelor of Science in SOFTWARE ENGINEERING

2002 - 2003 CATALOG

Fall Semester

Spring Semester

FRESHMAN YEAR

		Credits	
C.S. 2106	Intro to Computer Sci. I	3	_____
S.E. 1000	CS/SE Freshman Seminar	1	_____
Math 1520	Calculus I OR		
Math 1516	Calculus I w/ Alg. Enhanc.	3/4	_____
Engl. 1046	English Comp.	3	_____
Chem 1056	General Chemistry I *	3	_____
Chem 1136	General Chemistry I Lab *	1	_____
**	Humanities Elective		
		3	_____
Total Credits		17/18	

		Credits	
C.S. 2116	Intro to Computer Sci. II	3	_____
HSS 1216	Principles of Speaking	2	_____
Min 1010	Intro to Eng. Calculations	3	_____
Math 1530	Calculus II	3	_____
Phys 1046	General Physics	3	_____
**	Humanities Elective		
		3	_____
Total Credits		17	

SOPHOMORE YEAR

C.S. 3166	Discrete Structures	3	_____
C.S. 3546	UNIX, C, & C++	3	_____
Math 2510	Calculus III	4	_____
Math 3256	Matrices & Linear Algebra	3	_____
Phys 2076	General Physics - H, S, & O	3	_____
Phys 2096	General Physics - H, S, & O Lab	1	_____
Total Credits		17	

C.S. 2156	Assembly Language	3	_____
C.S. 3316	Data Struct & Algo. I	3	_____
C.S. 3656	Database Management	3	_____
Phys 2086	General Phys - Elect, Mag, & Wave	3	_____
Phys 2106	General Phys - Elect, Mag, & Wave Lab	1	_____
Bus 3666	Operations & Prod Mgmt	3	_____
Total Credits		16	

JUNIOR YEAR

C.S. 3256	Software Engineering I	3	_____
C.S. 3326	Data Struct. & Algo. II	3	_____
Econ 2606	Principles of Economics	3	_____
Math 3316	Intro. Statistical Methods	3	_____
**	Social Science Elective		
		3	_____
Total Credits		15	

C.S. 3266W	Software Engineering II	3	_____
PTC 3896W	Bus. & Pro. Writing OR		
Engr 3210W	Sci. & Tech. Writing	3	_____
S.E. 3300	Human-Comp. Interaction	3	_____
S.E. 3270	Princ. Software Architecture & Design	3	_____
***	Specialization Elective		
		3	_____
Total Credits		15	

SENIOR YEAR

M.EC 3630	Engineering Economy	3	_____
S.E. 3280	Software Require. & Specification	3	_____
S.E. 4920W	Senior Design Project	3	_____
C.S. 4526	Networking Principles	3	_____
***	Specialization Elective		
		3	_____
Total Credits		15	

C.S. 4016	Programming Lang.	3	_____
C.S. 4406	Computer Architecture	3	_____
Engr 4830	Eng. Science Seminar	1	_____
S.E. 4920W	Senior Design Project	3	_____
***	Specialization Elective		
		3	_____
***	Specialization Elective		
		3	_____
Total Credits		16	

Minimum credits for B.S. degree in Software Engineering = 128

* Biol 1026 (Biology and Man with Lab) or Geoe 1010 (Physical Geology) may be substituted for Chem 1056/1136.

** Electives must be chosen to met GER (3 credits in Social Sciences & 6 credits in Humanities).

*** 12 credits are to be taken in an area in which the student wishes to specialize. These may include (but are not limited to) Business, Engineering (any field), Physics, Mathematics, etc. These are to be selected in consultation with the department involved as well as the Computer Science Department.