

Bachelor of Science in SOFTWARE ENGINEERING

2000 - 2001 CATALOG

Fall Semester

Spring Semester

FRESHMAN YEAR

			Credits	
C.S.	2106	Intro to Computer Sci. I	3	_____
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			16/17	

			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	_____
S.E.	1010	Intro. to Software Proc.	1	_____
**		Humanities Elective		_____
			3	_____
Total Credits			15	

SOPHOMORE YEAR

C.S.	3166	Discrete Structures	3	_____
C.S.	3546	UNIX, C, & C++	3	_____
Math	2510	Calculus III	4	_____
Math	3316	Intro. Statistical Methods	3	_____
Phys	1046	General Physics - Mechanics	3	_____
Total Credits			16	

C.S.	2156	Assembly Language	3	_____
C.S.	3316	Data Struct & Algo. I	3	_____
Phys	2076	General Phys - H, S, & O	3	_____
Phys	2096	General Phys - H, S, & O lab	1	_____
Bus	3666	Operations & Prod Mgmt	3	_____
**		Social Science Elective		_____
			3	_____
Total Credits			16	

JUNIOR YEAR

C.S.	2556	Programming Language	1	_____
C.S.	3256	Software Engineering I	3	_____
C.S.	3326	Information Structures	3	_____
Econ	2606	Principles of Economics	3	_____
Phys	2086	Gen. Phys - Elect, Mag, & Wave	3	_____
Phys	2106	Gen. Phys - Elect, Mag, & Wave lab	1	_____
***		Specialization Elective		_____
			3	_____
Total Credits			17	

C.S.	2556	Programming Language	1	_____
C.S.	3266	Software Engineering II	3	_____
C.S.	3656	Database Management	3	_____
Engr	3210	Sci. & Tech. Writing	3	_____
S.E.	3300	Human-Comp. Interaction	3	_____
S.E.	3270	Princ. Software Architecture & Design	3	_____
Total Credits			16	

SENIOR YEAR

M.EC	3630	Engineering Economy	3	_____
S.E.	3280	Software Require. & Specification	3	_____
S.E.	4010	Project I	4	_____
***		Specialization Elective		_____
			3	_____
***		Specialization Elective		_____
			3	_____
Total Credits			16	

C.S.	4016	Programming Lang.	3	_____
C.S.	4406	Computer Architecture	3	_____
Engr	4830	Eng. Science Seminar	1	_____
S.E.	4020	Project II	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).

*** 15 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.