

**DEGREE MAP: TYPICAL FOUR-YEAR PROGRAM
BS IN CHEMISTRY**

FRESHMAN

<u>Fall</u>			<u>Spring</u>		
Hours	Courses	Area	Hours	Course	Area
3	ENGL 1101	A	3	ENGL 1102	A
3	CHEM 1211	F	3	CHEM 1212	F
1	CHEM 1211L	F	1	CHEM 1212L	F
3	MATH 1113	A	4	MATH 2450	D/F
1	PSYC 1001	B	3	Area C course	C
3	Area E course	E	3	FOR LANG 1002	B
TOTAL 15			TOTAL 17		

SOPHOMORE

<u>Fall</u>			<u>Spring</u>		
Hours	Course	Area	Hours	Course	Area
3	CHEM 3441	Major	3	CHEM 3442	Major
1	CHEM 3441L	Major	1	CHEM 3442L	Major
3	PHYS 2211	F	3	PHYS 2212	F
1	PHYS 2211L	F	1	PHYS 2212L	F
4	MATH 2460	F	3	BIOL 1107	D
3	Area E course	E	1	BIOL 1107L	D
			3	Area C course	C
TOTAL 15			TOTAL 15		

JUNIOR

<u>Fall</u>			<u>Spring</u>		
Hours	Course	Area	Hours	Course	Area
3	CHEM 3541	Major	3	CHEM 3542	Major
1	CHEM 3541L	Major	1	CHEM 3542L	Major
4	CHEM 4841	Major	3	CHEM 2734	Major
3	Area E course	E	1	CHEM 2734L	Major
3	BIOL 1108	D	1	CHEM 3911	Major
1	BIOL 1108L	D	3	Area E course	E
			3	Electives (any level)	None
TOTAL 15			TOTAL 15		

SENIOR

<u>Fall</u>			<u>Spring</u>		
Hours	Course	Area	Hours	Course	Area
3	CHEM 4244	Major	1	CHEM 4244L	Major
4	CHEM 4744	Major	4	CHEM 3XXX-4XXX	Major
4	CHEM 3XXX-4XXX	Major	1	CHEM 4912	Major
3	Electives (any level)	None	9	Electives (any level)	None
			1	Elective (upper level)	None
TOTAL 14			TOTAL 16		

Notes

1. It should be emphasized that this is a typical program of study leading to the BS in Chemistry. A student could satisfy all requirements for the degree in four years by taking the courses indicated.
2. Students may choose courses other than those indicated to satisfy Areas A-F of the Core and the upper-level requirements in the major.
3. It would be possible to take the courses in a different order but attention should be paid to the prerequisites or corequisites associated with many courses.
4. Elective (upper level) indicates any 3000-4000 number course; Elective (any level) indicates any 1000-4000 number course.
5. ALL NGCSU students are also required to 3 hours of Physical Education (e.g. PHED 1000) that cannot be included in the required 120 credit hours, but must be taken before graduation.