

First Year					
1st Semester (14 hrs)			2nd Semester (16 hrs)		
Course	Title	hrs	Course	Title	hrs
CHEM A111	General Chemistry I	4	CHEM A112	General Chemistry II	4
MATH A111	Pre-Calculus I	3	MATH A112	Pre-Calculus II	3
ENGL A101	Composition	3	ENGL A102	Comp. & Literature	3
BIOL A121	Biological Science I	4	CSCI A125	Intro. to Computer Science	3
			GEN ED	Humanities	3
Second Year					
1st Semester (15 hrs)			2nd Semester (16 hrs)		
Course	Title	hrs	Course	Title	hrs
CHEM A331	Organic Chemistry I	3	CHEM A332	Organic Chemistry II	3
CHEM A331L	Organic Chemistry Lab I	1	CHEM A332L	Organic Chemistry Lab II	1
PHYS A201	Physics I	4	PHYS A202	Physics II	4
MATH A141	Calculus I	4	MATH A142	Calculus II	4
MATH A174	Discrete Math for Comp. Science	3	CHEM A310	Research Methods	1
			GEN ED	Social/Behavioral Sciences	3
Third Year					
1st Semester (15 hrs)			2nd Semester (15-16 hrs)		
Course	Title	hrs	Course	Title	hrs
CHEM Foundation 1 (intro.)	one of CHEM 311/321 or BIOL 541 and its lab	4	Advanced CHEM elective 1	one of CHEM 511/521/550 and its lab	4/5
CHEM A541/L	Physical Chemistry I and lab	4	CHEM A542/L	Physical Chemistry II and lab	4
HIST A101/A102	GEN ED Global Cultures	3	COMM A201/A241	GEN ED Oral Communications	3
CSCI A145	Intro. to Algorithmic Design I	4	CSCI A146	Intro. to Algorithmic Design II	4
Fourth Year					
1st Semester (16 hrs)			2nd Semester (12-14 hrs)		
Course	Title	hrs	Course	Title	hrs
CHEM Foundation 2 (intro.)	another of CHEM 311/321 or BIOL 541	4	Advanced CHEM elective 2	another of CHEM 511/521/550	4/5
CHEM Foundation 3 (intro.)	last of CHEM 311/321 or BIOL 541	4	POLI A201 HIST A201/A202	GEN ED American Political Institutions	3
CHEM A499	Senior Research	2	CHEM A499	Senior Research	2/3
CSCI A275	Physics Engine Integration	3	ELECT	Free elective	3
GEN ED	Humanities	3			

Take one MATH class in the sequence every semester until MATH 142 is completed. Sequence is MATH 111→112→141→142.

Advanced Chemistry Elective: choose 2 of 3 from CHEM 511/521/550. Take one each Spring in 3rd & 4th year.

Gen Ed courses timing can be interchanged throughout. One Humanity/Social Science/College Elective/Cognate must be a "non-Western" course (see bulletin for listing)