

**CHEMISTRY - BACHELOR OF SCIENCE (BS)**

**General Requirements: Total hours for graduation 120 minimum, overall GPA 2.0 minimum, GPA for major 2.0.**

**Must meet with Chemistry Advisor upon declaration of major.**

**Requirements For Major (and their necessary prerequisites):**

**Grade Hrs**

			Grade	Hrs
ALL	CHEM 211	General Chemistry I (5)		
ALL	CHEM 212	General Chemistry II (5)		
ALL	CHEM 531	Organic Chemistry I (5)		
ALL	CHEM 532	Organic Chemistry II (5)		
FL	CHEM 514	Inorganic Chemistry (3)		
FL	CHEM 523	Analytical Chemistry (4)		
SP	CHEM 524	Instrumental Methods of Chemical Analysis (4)		
FL	CHEM 545	Physical Chemistry I (3)		
SP	CHEM 546	Physical Chemistry II (3)		
FL	CHEM 547	Physical Chemistry Laboratory (2)		
FL & SP	CHEM 661	Introductory Biochemistry (3)	Either	
FL	CHEM 662	Biochemistry I (3)	Or both	
SP	*CHEM 663	Biochemistry II (3)	and	
SP	CHEM 615	Advanced Inorganic Chemistry (3)		
SP	CHEM 616	Inorganic Chemistry Laboratory (2)		
ALL	CHEM 690	Independent Study and Research (2)		

\*CHEM 663 fulfills 3 of the 4 additional hours of professional elective courses required from category A.

FL & SP	BIOL 210	General Biology I (4)		
ALL	MATH 112	Pre-calculus Mathematics (5) or equivalent		
ALL	MATH 242	Calculus I (5)		
ALL	MATH 243	Calculus II (5)		
ALL	MATH 344	Calculus III (3)		
ALL	PHYS 313	University Physics I (4)		
ALL	PHYS 315	University Physics I Laboratory (1)		
ALL	PHYS 314	University Physics II (4)		
ALL	PHYS 316	University Physics II Laboratory (1)		

Four (4) more hours of elective courses, taken in consultation with the Undergraduate Advising Committee of the Department of Chemistry. Courses from the area below will satisfy this requirement.

(A) Additional Chemistry course(s) selected from CHEM 600-799 excluding CHEM 700 & 701.

CHEM				
CHEM				

(B) Advanced Biology course(s) from the following (with 1 year of General Biology as prerequisite):

FL	BIOL 419	Genetics (4)		
SP	BIOL 420	Molecular Cell Biology (4)		
	BIOL 590	Immunobiology (3)		

(C) Math course(s) with MATH 344 as prerequisite) or MATH 555:

MATH				
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(D) Physics course(s) with PHYS 314 as prerequisite (non-laboratory courses).

PHYS				
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(E) Foreign Language: One academic year of German or French.


(F) Other course(s) as approved by the Undergraduate Advising Committee.

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**Total Hours Completed 0**  
**Major GPA #DIV/0!**

**Contact Dept. Office to arrange an advising appointment (978-3120, 206 McKinley Hall)**

Dr. Douglas S. English, Chairperson  
Department of Chemistry