

BACHELOR OF SCIENCE - BIOCHEMISTRY

Following is a suggested course sequence for your program. Courses may be offered as indicated and/or at other times. Consult your Advisor for further direction and planning.

YEAR 1			
FIRST SEMESTER		SECOND SEMESTER	
BIO109/L General Biology I	4	BIO110/L General Biology II	4
CHE 110/L Chemistry I	4	CHE 111/L Chemistry II	4
IND101 Sustainable & Critical Relationships	3	CMP101 English Composition	3
MTH144 Calculus & Analytic Geometry I	3	NSC131 Natural Science: Introduction to Scientific Literacy	1
CORE ELECTIVES	3	CORE ELECTIVES	6
	17		18

LEARNING COMMUNITIES are generally completed in the first year (LC1 in the 1st semester; LC2 in the 2nd semester)

YEAR 2			
FIRST SEMESTER		SECOND SEMESTER	
CHE301/L Organic Chemistry I	4	CHE302/L Organic Chemistry II	4
PHY101/L Physics I OR 151/L General Physics I	4	NSC231 Natural Science: Literacy in Science Seminar	2
CORE ELECTIVES	6	PHY102/L Physics II OR 152/L General Physics II	4
		Science Elective (See page 1 for course options)	3-4
	14		13-14

YEAR 3			
FIRST SEMESTER		SECOND SEMESTER	
BCH313/L General Biochemistry	4	BCH440/L Molecular Biology*	4
CHE303/L Introduction to Physical Chemistry* OR	4	Science Elective (See page 1 for course options)	3-4
CHE311/L Contemporary Chemical Analysis		CORE ELECTIVES	9
NSC331 Natural Science Literature Survey	2		
CORE ELECTIVES	6		
	16		16-17

*Course offered in alternate years and may be taken in the third or fourth years.

YEAR 4			
FIRST SEMESTER		SECOND SEMESTER	
CHE303/L Introduction to Physical Chemistry* OR	4	BCH401 Biological Organic Chemistry*	3
CHE311/L Contemporary Chemical Analysis		NSC443 Natural Science Research Seminar	2
Science Electives (2) (See page 1 for course options)	6-8	Science Electives (2) (See page 1 for course options)	6-8
CORE ELECTIVES	3	CORE ELECTIVES	3
	13-15		14-16

*Course offered in alternate years and may be taken in the third or fourth years.

COURSE LOADS: Maximum of 17 credits allowed for 7 semesters; one 18-credit hour semester is allowed at no additional tuition charge. Additional course loads are allowed for students who achieve Dean's List. Consult the catalogue for details on the Dean's List privilege.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN YEAR:

Three years of high school science and mathematics through trigonometry.

ADMISSION TO UPPER DIVISION REQUIREMENTS:

STANDARD CURRICULUM:

A. A completed application with essay must be submitted to the Natural Sciences Department by the date published in the academic calendar.

B. A cumulative grade point average (GPA) of 2.0 earned at the end of the sophomore year.

C. A minimum grade of 'C' earned in lectures and labs as follows: BIO 109-110; CHE 110-111; 301-302; MTH134 (if required as prerequisite to MTH144); NSC 131-231.

PRE-PROFESSIONAL STUDIES: PRE-MED, PRE-VET, PRE-DENT:

A. A completed application with essay must be submitted to the Natural Sciences Department by the date published in the academic calendar.

B. A cumulative grade point average (GPA) of 3.0 earned at the end of the sophomore year.

C. A minimum grade of 'C' and an average of 'B' earned in lectures and labs as follows: BIO 109-110; CHE 110-111; 301-302; MTH 144; NSC 131-231.

GRADUATION REQUIREMENTS:

STANDARD CURRICULUM:

A. A minimum grade of C in all Science courses (including those referenced under the requirements for admission to upper division) and MTH144.

B. An overall grade point average (GPA) of 2.00

PRE-PROFESSIONAL STUDIES: PRE-MED, PRE-VET, PRE-DENT:

A. A minimum grade of C in all Science courses (including those referenced under the requirements for admission to upper division) and MTH144.

B. An overall grade point average (GPA) of 3.00

REQUIREMENTS FOR RECOMMENDATION FOR ADMISSION TO PROFESSIONAL

SCHOOLS: Senior Status in Pre-Professional program; a cumulative grade point average (GPA) of 3.0 and an average of "B" earned in mathematics and science courses in the first three years.

PROGRAM NOTES:

A. **PREREQUISITE STUDIES:** As in all majors, all prerequisites for courses in the program must be satisfied.

E-65409, 65410
Office of the Registrar (09/07)