

Bachelor of Science in Biology Pre-Professional Track

CORE CURRICULUM		BIOLOGY CURRICULUM	
Area A – Essential Skills – 10 hrs.		Discipline Core Courses – 33 hrs.*	
ENGL 1101 – English Composition I	3	BIOL 2070 - Botany	4
ENGL 1102 – English Composition II	3	BIOL 2080 - Zoology	4
MATH 1113 – Pre-Calculus	3	BIOL 3200 - Genetics	4
		BIOL 4100 – Cell & Molecular Biology	4
Area B – Institutional Options – 4-5		BIOL 3350 - Ecology & Evolution	4
COMM 1100 – Human Communications	3	BIOL 3500 - Microbiology	4
CISM 2201 – Fundamentals of Computer Applications	3	BIOL 3850 - Comparative Vertebrate Anatomy	4
		BIOL 4250 – Animal Physiology	4
Area C – Humanities/Fine Arts – 6 hrs		BIOL 4900 – Senior Seminar	1
ENGL 21XX – Literature	3		
Area C – Humanities/Fine Art Elective	3		
		Pre-Professional Core – required – 11 hrs.*	
Area D – Science/Math – 12 hrs.		PHYS 1111/L – Physics I	4
CHEM 1211/L – Principles of Chemistry I	4	PHYS 1112/L – Physics II	4
CHEM 1212/L – Principles Of Chemistry II	4	BIOL 3100 – Biochemistry	3
MATH 2053 - Calculus I	4		
Area E – Social Science – 12 hrs.			
POLS 1101 – American Government	3		
HIST 2112 – U.S. History II	3		
Area E – Social Science Elective	3	Free Electives – 11 hrs.	
Area E – Social Science Elective	3	BIOL 3030 – Mycology	4
		BIOL 3070– Animal Behavior	4
Area F – Major – 18 hrs.*		BIOL 4300 – Parasitology	4
CHEM 2040/L - Organic Chemistry I	4	BIOL 4400 – Immunology	4
CHEM 2041/L - Organic Chemistry II	4	BIOL 4500 – Special Topics in Biology	1 - 4
BIOL 1107/L – Principles of Biology I	4	BIOL 4600 – Biological Research	1 - 4
BIOL 1108/L - Principles of Biology II	4		
MATH 2000 - Statistics	3		
Physical Education Requirement – 4 hrs.			
PHED 1100 - Health & Wellness	2		
PHED XXXX – Activity (2 courses)	2	Total Hours in Major	55
Total Hours – (Excluding Phys. Ed.)	65	Program Total (Excluding Phys. Ed.)	120

* A grade of C or better is required in these courses. Baccalaureate degree programs must have a minimum of 21 semester hours in upper division courses in the major field and at least 39 semester hours of upper division course work overall.

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Suggested Program of Study
124 hrs. – 4 hrs. PE = 120

First Year

Fall Semester	Hrs	Spring Semester	Hrs
ENGL 1101 – English Composition I	3	ENGL 1102 – English Composition II	3
MATH 1113 – Pre-Calculus	3	MATH 2053 - Calculus I	4
CHEM 1211/L – Principles of Chemistry I	4	CHEM 1212/L – Principles. Of Chemistry II	4
BIOL 1107/L – Principles of Biology I	4	BIOL 1108/L - Principles of Biology II	4
Activity PE	1	PHED 1100 - Health & Wellness	2
Total	16	Total	17

Second Year

Fall Semester	Hrs	Spring Semester	Hrs
CHEM 2040/L - Organic Chemistry I	4	CHEM 2041/L - Organic Chemistry II	4
BIOL 2080 - Zoology	4	BIOL 2070 - Botany	4
MATH 2000 - Statistics	3	HIST 2112 – U.S. History II	3
CISM 2201 – Fundamentals of Computer Applications	3	BIOL 3200 - Genetics	4
COMM 1100 – Human Communications	3	Activity PE	1
Total	17	Total	16

Third Year

Fall Semester	Hrs	Spring Semester	Hrs
BIOL 3100 – Biochemistry	4	BIOL 3850 - Comparative Vertebrate Anatomy	4
PHYS 1111/L – Physics I	4	PHYS 1112/L – Physics II	4
ENGL 21XX – Literature	3	Area E – Social Science Elective	3
BIOL 3500 - Microbiology	4	BIOL 3350 - Ecology & Evolution	4
Total	15	Total	15

Fourth Year

Fall Semester	Hrs	Spring Semester	Hrs
BIOL 4250 – Animal Physiology	4	BIOL Elective	4
BIOL Elective	4	Area C – Humanities/Fine Art Elective	3
BIOL 4100 – Cell & Molecular Biology	4	Area E – Social Science Elective	3
POLS 1101 – American Government	3	BIOL 4900 – Senior Seminar	1
		BIOL Elective	2
Total	15	Total	13