

## Biology - Biochemistry

Pre-calculus Track

Classes in **bold** should be taken as prescribed to remain on track.

✓	Course	Title	Cr-hr
Fall Semester - Year 1			
✓	CHEM 1211	Principles of Chemistry I	3
✓	CHEM 1211L	Principles of Chemistry lab I	1
✓	MATH 1113	Pre-calculus	4
✓	ENGL 1101	English Composition I	3
✓	BIOL 1108	Principles of Biology II	3
✓	BIOL 1108L	Principles of Biology lab II	1
✓	GLOB 1001	Global Issues	1
Total			16
Milestones			

✓	Course	Title	Cr-hr
Fall Semester - Year 2			
✓	CHEM 2211	Organic Chemistry I	3
✓	CHEM 2211L	Organic Chemistry lab I	1
✓	PHYS 1111/L	Introductory Physics I + Lab	4
✓	HIST 211X	US History	3
✓	BIOL 2440	Cell and Molecular Biology	4
✓			
Total			15
Milestones			

✓	Course	Title	Cr-hr
Fall Semester - Year 3			
✓	Biology Elective	ANY BIOL 3XXX/4XXX (except BIOL 3150)	3
✓	BIOL 3300	Ecology	4
✓	CORE elective	Area B	3
✓	CHEM 3000	Analytical Chemistry	4
Total			14
Milestones			

✓	Course	Title	Cr-hr
Fall Semester - Year 4			
✓	ENGL 211X	Literature	3
✓	BIOL/CHEM 3100	Biochemistry	3
✓	CORE elective	Area E	3
✓	Biology elective	ANY BIOL 3XXX/4XXX (except BIOL 3150)	3
✓	Free elective	Free elective	3
Total			15
Milestones			
Apply for graduation			
Apply for graduate programs			

✓	Course	Title	Cr-hr
Spring Semester - Year 1			
✓	CHEM 1212	Principles of Chemistry II	3
✓	CHEM 1212L	Principles of Chemistry lab II	1
✓	MATH 1113	Calculus	4
✓	ENGL 1102	English Composition II	3
✓	BIOL 1107	Principles of Biology I	3
✓	BIOL 1107L	Principles of Biology lab I	1
✓			
Total			15
Milestones			
Complete Area A			
Achieve sophomore status (30+ credit hours)			

✓	Course	Title	Cr-hr
Spring Semester - Year 2			
✓	CHEM 2212	Organic Chemistry II	3
✓	CHEM 2212L	Organic Chemistry lab II	1
✓	PHYS 1112/L	Introductory Physics II + Lab	4
✓	MATH 1401	Elementary Statistics	3
✓	POLS 1101	Political Science	3
✓	CORE elective	Area C	3
Total			17
Milestones			
Complete Area F			
Achieve junior status (60+ credit hours)			

✓	Course	Title	Cr-hr
Spring Semester - Year 3			
✓	CORE elective	Area E	3
✓	CHEM 3200	Survey of Physical Chemistry	4
✓	BIOL 4500	Introduction to Biological Research	3
✓	BIOL 4110	Genetics	4
Total			14
Milestones			
Completed a minor in Chemistry			
Achieve senior status (90+ credit hours)			

✓	Course	Title	Cr-hr
Spring Semester - Year 4			
✓	BIOL 4950	Senior Seminar	1
✓	Biology Elective	ANY BIOL 3XXX/4XXX (except BIOL 3150)	3
✓	CHEM 4100	Advanced Biochemistry	4
✓	Free elective	Free elective	3
✓	WELL 100X	Wellness	3
Total			14
Milestones			
Degree requirements complete: Earned BS in Biology			

**TRACK TOTAL 120**

Credit hours listed for electives are minimum credit hours required. Credit hours may exceed minimum requirements.

Free electives should be chosen based on needed pre-requisites for upper level electives.

Student must have 39 hours of 3XXX-4XXX level coursework overall