



BiologyTotal Credits: **43+**See below for various tracks

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REQUIRED COURSES FOR ALL TRACKS (23-24 Credits)

Course #	Course Name	Credits
BIOL 1011 & 1013	Biology Principles I – Lecture & Lab	4
BIOL 1012 & 1014	Biology Prinicples II – Lecture & Lab	4
CHEM 1045	General Chemistry I Lecture	3
CHEM 1046	General Chemistry II Lecture	3
CHEM 1047	General Chemistry Lab	2

Plus two (2) courses chosen from the following

COMP 1001 or 1300	Programing for non-CS majors or Introduction to Computer Science	4
MATH 1410 or 1412	Fundamentals of Calculus or Calculus I	4
MATH 1413	Calculus II	4
STAT 1021	Introduction to Statistics	3

All majors must take the Math Placement exam.

Up to two (2) credits in approved Independent Research/Summer Internship may apply towards Biology major.

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TRACK 1: GENERAL

This track requires **20 credits** of Advanced Biology courses

Course #	Course Name	Credits
BIOL 3207 or 3521	Cell Biology or Molecular Biology	4
BIOL 3513 or 4023	Genetics or Microbiology	4

Plus two (2) additional 4-credit lecture/lab courses and either an additional 4-credit lecture/lab course or two lecture-only courses. CHEM 1376/1377, Biochemistry lecture/lab may count.

TRACK 2: MOLECULAR & CELLULAR

This track requires 24 credits of Advanced Biology courses, including four 4-credit lecture/lab courses with the following distribution:

Course #	Course Name	Credits
BIOL 3207	Cell Biology	4
BIOL 3513	Genetics	4
BIOL 3521	Molecular Biology (Spring)	4

The remaining 12 credits may be selected from:

BIOL 2105	Basic Immunology	2
BIOL 2601	Human Development (Spring)	2
BIOL 3241	Pharmacology (Fall)	2
BIOL 3730	Reproductive Biology (Fall)	2
BIOL 3750	Medical Biochemistry (Spring)	3
BIOL 3780	Biology of Cancer (Fall)	3
BIOL 4023	Microbiology	4
CHEM 1376/ BIOL 1376	Biochemistry, lecture only	3
CHEM 1377	Biochemistry, lab only (Spring)	2

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TRACK 3; NEUROSCIENCE

This track requires **15+ credits Biology + 19 credits Psychology**. 13 credits of Psychology also apply towards the general requirements as indicated below.

Required Courses

Course #	Course Name	Credits
BIOL 3830	Neurobiology (typically offered every 3 semesters)	2-3
PSYC 1010*	Introductory Psychology	3
PSYC 2100**	Experimental Psychology	4
PSYC 2150**	Cognitive Psychology	3
PSYC 3804	Psychobiology	3
PSYC 3810	Behavioral Neuroendocrinology (Spring)	3
PSYC 3815**	Cognitive Neuroscience (Spring)	3

Choose at least 12 credits from:

BIOL 3207	Cell Biology	4
BIOL 3241	Pharmacology (Fall)	2
BIOL 3513	Genetics	4
BIOL 3728	Human Physiology	4
BIOL 3750 or BIOL 1376	Medical Biochemistry or Biochemistry	3

^{*}May apply towards the Foundations category of the General Education requirements

Biology Minor

Total Credits: 18+

REQUIRED COURSES

Course #	Course Name	Credits
BIOL 1011 & 1013	Biology Principles I – Lecture & Lab	4
BIOL 1012 & 1014	Biology Principles II – Lecture & Lab	4

Plus ten (10) additional BIOL credits including two (2) Lecture/Lab courses of 4 credits each and one (1) Lecture-only course (2-3 credits); Courses cross-listed in the Department of Biology *and* in Psychology cannot be counted towards the Biology Minor.

Note: "Journal Club" courses of 1 credit each do not count towards the Biology Major or Minor. BIOL 3221, Nutrition, does not apply towards the Biology Major or Minor.



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^{**}These courses may also apply toward the Electives category of the General Education requirements