



Biology

See below for various tracks

Find the Website [here](#)

Department Chair: Dr. Harvey Babich

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REQUIRED COURSES *FOR ALL TRACKS*

Course #	Course Name	Credits
BIOL 1011C, 1012C	Biology Principles I & II Lecture & Lab	8
CHEM 1045R, 1046R	General Chemistry I & II Lecture	6
CHEM 1047L	General Chemistry Lab	2

Plus two (2) courses chosen from the following

COMP 1001 or 1300C	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.

Recommended: One year of Organic Chemistry, one year of Physics, and a semester of Biochemistry or Medical Biochemistry

TRACK 1; GENERAL

This track requires **20-22 credits** of Advanced Biology courses

Course #	Course Name	Credits
BIOL 3207C	Cell Biology (Fall & Spring)	4
BIOL 3513C	Genetics (Fall & Spring)	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 1376R - 1376L, 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 3207C	Cell Biology (Fall & Spring)	4
BIOL 3513C	Genetics (Fall & Spring)	4
BIOL 3521	Molecular Biology (Spring)	4

The remaining 12 credits may be selected from:

BIOL 2601	Human Development (Spring)	2
BIOL 3230	Immunology (typically offered every 3 semesters) *also offered as a 3 credit lecture-only course	4
BIOL 3241	Pharmacology (Fall)	2
BIOL 3730	Reproductive Biology (Fall)	2
BIOL 3750	Medical Biochemistry (Spring)	3
BIOL 4023	Microbiology (Fall & Spring)	4
CHEM 1376R/ BIOL 1376R	Biochemistry, lecture only (Fall)	3
CHEM 1377L	Biochemistry, lab only (Spring)	2

TRACK 3; NEUROSCIENCE

This track requires **15-16 credits Biology courses plus 19 credits of Psychology courses**. 13 credits of Psychology may also apply towards the general requirements as indicated below. Students pursuing this track should meet with an academic advisor.

Course #	Course Name	Credits
BIOL 3830R	Neurobiology (typically offered every 3 semesters)	2-3

12-13 credits may be selected from:

BIOL 3207C	Human Development (Spring)	4
BIOL 3241	Pharmacology (Fall)	2
BIOL 3513C	Genetics (Fall & Spring)	4
BIOL 3728C	Human Physiology	4
BIOL 3750 or BIOL 1376R	Medical Biochemistry or Biochemistry	3
PSYC 1010*	Introductory Psychology	3
PSYC 2100C**	Experimental Psychology	4
PSYC 2150**	Cognitive Psychology	3
PSYC 3804	Psychobiology (Fall & Spring)	3
PSYC 3810	Behavioral Neuroendocrinology (Spring)	3
PSYC 3815**	Cognitive Neuroscience (Spring)	3

Biology Minor

Total Credits: 18-19

REQUIRED COURSES

Course #	Course Name	Credits
BIOL 1011C, 1012C	Biology Principles Lecture & Lab	8

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.



Find the Website [here](#)

*May apply towards the Foundations category of the General Education requirements

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