

Integrative Studies: BIOLOGY Field

The following are advanced course options for Integrative Studies majors.

Beginning Fall 2020: Advanced biology courses require prerequisites of “C” or higher in the following: BIOL 1710; BIOL 1720; BIOL 1760 or 1730/1740; BIOL 2041/2042 or 2140 or 2241 or 2251 or 2302/2312 and CHEM 1410/1430 (Prerequisite: C or better in MATH 1100 or equivalent) and CHEM 1420/1440; CHEM 2370/3210 (Prerequisites: C or better in MATH 1100 or equivalent, CHEM 1410/1430 and CHEM 1420/1440) and MATH 1680 or MATH 1650 unless stated otherwise.

These may not be your only options. Please check course offerings every semester for additional courses.

Course #	Course Name	Pre-Requisites
BIOL 3030	Careers in Life Sciences (1 hour)	*See above (Spring Only)
BIOL 3160	Conservation Biology	*See above (Fall Only)
BIOL 3451 & BIOL 3452	Genetics (3 hours) & Genetics lab (1 hour)	*See above
BIOL 3510 & BIOL 3520	Cell Biology (3 hours) & Cell Biology lab (1 hour)	*See above
BIOL 4005	Contemporary Topics in Biology	*See above. Prerequisites vary per topic
BIOL 4051 & BIOL 4052	Community Ecology (3 hours) & Community Ecology lab optional (1 hour)	*See above
BIOL 4053	Introduction to Subantarctic Biocultural Conservation	(No prerequisites) Same as PHIL 4053. Junior Standing (Fall Only)
BIOL 4055 & BIOL 4056	Ornithology (3 hours) & Ornithology Lab (1 hour) <i>must be taken together</i>	*See above (Spring Only)
BIOL 4057	Mammalian Ecology and Evolution (4 hrs-includes lab)	*See above (Fall Only)
BIOL 4070	Insect Biology (4 hours – includes lab)	*See above (Fall Only)
BIOL 4091 & BIOL 4092	Parasitology (3 hours) & Parasitology lab (1 hour)	*See above (Fall & 5W1 Only)
BIOL 4100	Introduction to Environmental Impact Assessment	*See above (Currently not being offered)
BIOL 4201 & BIOL 4202	Immunology (3 hours) & Immunology lab optional (1 hour)	*See above + current enrollment or completion of CHEM 2380
BIOL 4220	Neuropsychopharmacology	*See above
BIOL 4250	Pharmacology	*See above (Fall Only)
BIOL 4290	Marine Biology	*See above (Fall Only)
BIOL 4330	Developmental Biology	*See above (Spring Only)
BIOL 4370	General Toxicology	*See above (Spring Only)
BIOL 4380	Fundamentals of Aquatic Toxicology (includes lab)	*See above (Spring Only)
BIOL 4440	Stream Ecology (4 hours-includes lab)	*See above + BIOL 2041/2042 OR BIOL 2140 (Offered in odd years)
BIOL 4501 & BIOL 4502	Bacterial Diversity and Physiology (3 hours) & Bacterial Diversity and Physiology Lab optional (1 hour)	*See above (Fall Only)
BIOL 4503 & BIOL 4504	Plant Physiology (3 hours) & Plant Physiology lab optional (1 hour)	*See above + BIOL 2041/2042 (Spring Only)
BIOL 4505 & BIOL 4510	Comparative Animal Physiology (3 hours) & Physiology of Animals Lab (1 hour)	*See above
BIOL 4560	Aquatic Insects of North America	*See above (Even years)
BIOL 4751	Neuroscience I: Cells and Circuits	*See above (Fall Only)
BIOL 4752	Neuroscience II: Brain and Plasticity	*See above + BIOL 4751 recommended (Spring Only)
BIOL 4800	Biological Sciences Seminar Series (1 hour)	*See above (Repeatable)