

## 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 and BIOL 2041/2042 or 2140 or 2241 or 2251 and CHEM 2370/3210 (Prerequisites: CHEM 1410/1430 and CHEM 1420/1420) 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 3170	Plants and Human Society	*See above (Offered irregularly)
BIOL 3331	Biomedical Criminalistics	*See above CJUS 3330 (Spring Only)
BIOL 3500	Medical Terminology (2 hours)	(No prerequisites)
BIOL 4005	Contemporary Topics in Biology	*See above. Prerequisites vary per topic
BIOL 4051	Community Ecology	*See above (Spring Only)
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)	*See above (Even years)
BIOL 4057	Mammalian Ecology and Evolution (4 hrs-includes lab)	*See above
BIOL 4070	Insect Biology (4 hours – includes lab)	*See above + BIOL 2140 OR BIOL 2251 (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 + BIOL 2140 (Fall Only)
BIOL 4220	Neuropsychopharmacology	*See above
BIOL 4221	Experimental Methodologies in Neuropsychopharmacology (1 hour)	*See above + BIOL 4220 or BIOL 4250 (Offered irregularly)
BIOL 4250	Pharmacology	*See above (Fall Only)
BIOL 4290	Marine Biology	*See above (Fall Only)
BIOL 4300	Histology (4 hours-includes lab)	*See above (Spring Only)
BIOL 4330	Developmental Biology	*See above (Spring Only)
BIOL 4370	General Toxicology	*See above (Spring Only)
BIOL 4380	Fundamentals of Aquatic Toxicology	*See above (Offered irregularly)
BIOL 4440	Stream Ecology	*See above + BIOL 2041/2042 OR BIOL 2140 (Offered in odd years)
BIOL 4503	Plant Physiology	*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 (Spring Only)
BIOL 4752	Neuroscience II: Brain and Plasticity	*See above + BIOL 4751 recommended (Offered irregularly)
BIOL 4800	Biological Sciences Seminar Series (1 hour)	*See above (Repeatable)