REVISED
3/27/2014

Example of a sequence for a degree in Biology (BA or BS)

Program generally followed by most majors (***not*** a required sequence):

First year

Biology BIOL-121	Principles of Biology I	Fall
Biology BIOL-122	Principles of Biology II	Spring
Chemistry CHEM-121	Principles of Chemistry I	Fall
Chemistry CHEM-221	Organic Chemistry I	Spring
Chemistry CHEM-124	Experimental Chemistry I	Spring

Math (see below)

Second year (prerequisites in parentheses)

Biology BIOL-271	General Ecology (121, 122)	Fall
Biology BIOL-227	Genetics (121, 122; Chem 121, 221)	Spring or Fall
Biology BIOL-301	Literature in Biology (121, 122)	Spring or Junior year
Chemistry CHEM-222	Organic Chemistry II	Fall
Chemistry CHEM-225	Experimental Chemistry II	Fall
Chemistry CHEM-232	Quantitative Chemistry	Spring

Math (see below)

Third year

Biology BIOL-354	Cell Biology (121, 122; Chem 121, 221, 222, 225)	Fall
Biology BIOL-302	Research (121, 122, 301)	Fall or Spring

Fourth year

Biology BIOL-411	Biology Seminar
Biology BIOL-412	Biology Seminar

Biology: Additional courses:
Three Biology electives including two with a lab or discussion component (i.e., two courses at 4 credits) and one at the 300 level or higher

Note:
This list covers only biology and chemistry.

Math: Students are required to take 4 credits (BA) or 8 credits (BS):
Note prerequisites for Math courses; students may have to take other courses before they can be admitted to the courses above

Physics:
BA: While there is no Physics requirement, students planning to attend medical school or graduate school may need to take Physics for admission to those programs.
BS: Students are required to take 8 to 9 credits.

Three Biology/Biochemistry Electives:

BIOL-203	Invertebrate Zoology	Fall, odd years
BIOL-204	Selected Topics	irregular
BIOL-206	Primary Human Anatomy	Spring
BIOL-214	Animal Physiology	Fall
BIOL-212	Conservation Biology	irregular
BIOL-215	General Botany	Fall, even years
BIOL-225	Power of Plants: The Role of Plants in Medicine and Agriculture	Fall, even years
BIOL-275	Field Biology	Fall
BIOL-278	Environmental Health and Medicine	Fall, odd years
BIOL-284	Field Ornithology	Fall, even years
BIOL-304	Selected Topics	irregular
BIOL-308	Animal Behavior	Spring, odd years
BIOL-315	Neurobiology	Spring
BIOL-324	Wonderful Life: Genes, Evolution, and Biodiversity	Fall, odd years
BIOL-345	Developmental Biology	Fall
BIOL-378	Environmental Toxicology	Fall, even years
BIOL-405	Parasites and Vectors of Disease	Fall, even years
BIOL-452	Microbiology	Spring
BIOL-461	Ecophysiology	Spring, even years
BIOL-476	Endocrinology	Spring, odd years
BIOL-473	Plant Physiology	Fall
BIOL-479	Aquatic Ecology	Spring, odd years
BIOC-353	Biochemistry	Fall
BIOC-354	Biochemistry II	Spring