

BIOLOGY (with Intro to Chemistry sequence)

Whether you are interested in a pre-professional medical field such as pre-medicine or pre-dentistry, or perhaps you want to be a laboratory researcher, a field biologist, or in pharmaceutical sales, a program in biology may be the one for you. The profession of medicine is a science. While not specifying a required undergraduate major, most medical schools require a strong background in science. Because of this, many Pre-Med students major in Biology or Biochemistry. A student wishing to pursue careers in other “non-medical” fields can choose to substitute “pre-med electives” for other Biology courses. Be aware that degree requirements may change. The current academic catalog is the official degree guide and contains all available options for coursework. The following is a SUGGESTED 4-year plan.

FRESHMAN FALL

- MATH 1163 College Algebra
- ENGL 1153 English Composition
- GNSC 1001 Computing for Science I
- PHYS 1999 Topic: Fundamentals of Physics (2)
- CHEM 1054* Intro to Chemistry I
- GNSC 1201 Cornerstones of Science (1)
- PHED 1001 Wellness Lifestyle

15 hours

J-TERM

- CHEM 1063
- Intro Chem II

FRESHMAN SPRING

- MATH 1173 College Trigonometry
- ENGL 1163 Engl. Comp: Classical Lit.
- REL 1013 or 1023 Old or New Testament
- CHEM 1115 General Chemistry II
- CMAR 1092 Speech or PHIL 1502 Crit. Thinking †

16 hours

SOPHOMORE FALL

- PHYS 2414 College Physics I
- CHEM 3104 Organic Chemistry I
- BIOL 2034 Plant Biology
- MATH 2013 Calculus I

16 hours

SOPHOMORE SPRING

- PHYS 2424 College Physics II
- CHEM 3114 Organic Chemistry II
- BIOL 2044 Animal Biology
- PHED 1XX1 PE Activity
- Electives (3)

16 hours

JUNIOR FALL

- BIOL 3034 Environmental Biology (4)
- ENGL 2013 European Civ: Literature (3)**
- HIST 2013 European Civ: History (3)**
- BIOL 1992 Research Methods & Biostatistics (2)⁺
- BIOL 4324 Advanced Human Physiology (4)⁺

16 hours

JUNIOR SPRING

- BIOL 3014 Molecular and Cellular Biology (4)
- ENGL 2023 Modern West: Literature (3)**
- HIST 2023 Modern West: History (3)**
- GNSC 3001 Computing for Science II (1)
- Electives (4)

15 hours

JANUARY TERM: BIOL 4323 MCAT Prep (3)⁺

SENIOR FALL

- BIOL 4014 Genetics (4)
- PSYC 1223 General Psychology (3)⁺
- Modern Foreign Language I (3)[§]
- Electives (6)

16 hours

SENIOR SPRING

- BIOL 4044 Developmental Biology (4)
- GNSC 4121 Science Capstone (1)
- Modern Foreign Language II (3)
- FNAR 2063 Arts and Western Culture (3)[‡]
- Electives (4)

15 hours

TOTAL 128 Hours

* Students with weak background in Chemistry and/or mathematics should take Intro to Chemistry I (CHEM 1054) in the Fall, and Intro to Chem II (CHEM 1063) in January. These two courses prepare the student for Gen Chem II (CHEM 1114) in the Spring.

** One set of Western Civilization Literature and History may be substituted by the World Civilization and History set.

† Note: One of the “Flex-Core” courses must be either CMAR 1092 or PHIL 1502/1043.

‡ Or FNAR 2163 Arts and Ideas

§ Some alternatives to the two-semester foreign language requirement are available. See catalog for list of acceptable Multicultural Experiences.

+ Recommended for Pre-Med Students. Other recommendations may be available. Please consult your advisor.