2021-2022 BS.BIOL - Bachelor of Science in BIOLOGY — Sample 4 Year Pre-Medical Plan

This plan is a sample and is not the only way to complete this degree's requirements. Number of credits are in parentheses. Most classes have prerequisites.

Year 1

BIOL Course	Winter	Spring	Steps for Success
BIOL 1610 + 1611 Biol I: Molecular and Cellular + Lab (5)	BIOL 1620 + 1621 Biol II: Evolution and Ecology + Lab (5)	BIOL 1630 + 1631 Biol III: Physiology and Dev't + Lab (5)	☐ Review Admissions requirements for medical school programs
CHEM 1500 + 1501 General Chemistry I + Lab (5)	CHEM 1510 + 1511 General Chemistry II + Lab (6)	CHEM 1520 General Chemistry III (4)	☐ Assess your Math needs: 1) Take Trig test via Math Dept if needed
UCOR 1XXX University Core (5)	UCOR 1XXX University Core (5)	MATH 1230 Calc for Life Sciences (+ MATH 1022 if needed) (5)	2) Plan assumes completion of MATH 1021 or placement into Calculus (MATH 1230 or 1334).

Year 2

Fall	Winter	Spring	Steps for Success
BIOL 2700 Genetics (5)	BIOL Elective (5)	BIOL Elective (5)	☐ Gather volunteer, internship experiences over the summer
CHEM 2500 + 2501 Org Chem: Struct and React + Lab (6)	CHEM 2510 + 2511 Org Chem: Functional Gp Interconv + Lab (6)	General Elective (5) ^ *	☐ ^ Choose CHEM 2520+2521 if your choices of medical schools require >12 quarter credits of organic chemistry
UCOR 1XXX University Core (5)	UCOR 1XXX University Core (5)	MATH 1210 Statistics for Life Sciences (5)	☐ BIOL electives: Consider A&P options and other choices (see Notes)

Year 3

Fall	Winter	Spring	Steps for Success
BIOL Elective (5)	BIOL Elective (5)	BIOL 4750 + 4751 Cell Biology + Lab (6)	☐ Decide when you will take the MCAT and prepare for the test
PHYS 1050 + 1051 Mechanics + Lab (5)	PHYS 1060 + 1061 Waves, Sound, Elect., & Magnetism + Lab (5)	PHYS 1070 + 1071 Thermo, Optics, & Mod Phys + Lab (5)	☐ Track credit hours for graduation. A minimum of 180 credits is required
UCOR 2XXX University Core (5)	UCOR 2XXX University Core (5)	UCOR 2XXX University Core (5)	☐ Think about recommendation letters and application plans

Year 4

Fall	Winter	Spring	Steps for Success
BIOL Elective (5)	CHEM 3600 Biochemistry (General Elective) (5) #	BIOL 2600 Ecology (5)	☐ # CHEM 3600 (Biochemistry) is recommended in Year 3 or 4
General Elective (5) *	General Elective (5) *	General Elective (1-5) *	☐ *Suggested behavioral courses include PSYC/SOCL/ANTH as general electives
BIOL 4991 Senior Synthesis I (2)	BIOL 4992 Senior Synthesis II (2)	BIOL 4993 + 4996 Senior Synthesis III (2)	☐ Consider options for gap year(s) that will strengthen your future application
UCOR 3XXX University Core (5)	UCOR 3XXX University Core (5)	UCOR 3XXX University Core (5)	

University Core Requirements

UCOR classes are listed in the sample plan by what module is recommended. See below for UCOR course titles listed by Module. See my.seattleu.edu for prerequisites and www.seattleu.edu/core for course descriptions. Honors and Matteo Ricci students have different Core requirements.

Module I

UCOR 1100 Academic Writing Seminar
~~***UCOR 1200*** *Quantitative Thinking*~~ (*satisfied in major*)
UCOR 1300 Creative Expression & Interpretation
UCOR 1400 Inquiry Seminar in the Humanities
UCOR 1600 Inquiry Seminar in the Social Sciences
~~***UCOR 1800*** *Inquiry Seminar in the Natural Sciences*~~
(satisfied in major)

Module II

UCOR 2100 Theological Explorations
UCOR 2500 Philosophy of the Human Person
UCOR 2900 Ethical Reasoning

Module III

UCOR 3100 Religion in a Global Context
UCOR 3400 Humanities and Global Challenges
UCOR 3600 Social Sciences and Global Challenges

Important Major Information

- Credits in Major: 114
- Minimum Major GPA: 2.0 (some scholarships may require higher)
- Please see My.SeattleU.edu for course descriptions and quarters offered

Resources for Success

- ☐ Map out your own plan through My.SeattleU.edu
- ☐ Meet with a Career Coach from the Career Engagement Center
- ☐ Sign up for academic support with Learning Assistance Programs
- ☐ Explore career options at the "What Can I Do With This Major" page
- ☐ Learn more about academic advising on the Advising Services page

Notes

- Medical Schools commonly recommend these courses found in the 4-year sample plan: genetics, cell/molecular biology, biochemistry, and behavioral sciences (ex: PSYC/ANTH/SOCL); courses such as anatomy and physiology (A&P) and health-related biology courses are found to be beneficial by students who attend medical school.
- A&P options include BIOL 3250+3880 (=10 credits of BIOL electives) or BIOL 2200+2210 (only 2210 counts as 5 credits of BIOL electives).
- Five BIOL elective courses (25 credits) are required for the BS.BIOL degree:
  1) Choose one: BIOL 3250 Vertebrate Anatomy or 3300 Developmental Biology
  2) Choose one: BIOL 2350 Invertebrate Zoology, BIOL 2520 Plant Systematics, or BIOL 3500 Evolution
  3) Choose one: BIOL 3850 Plant Physiology or 3880 Animal Physiology

  4 + 5) Choose two of the other 5-credit BIOL courses ≥ 2210
- **Refer to the Biology Two-Year Course Offerings for all BIOL elective options.**
- The required 62 credits in biology include one plant science (BIOL 2520, 2530, or 3850).

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Use MySeattleU Student Planning to plan your courses and work closely with your academic advisor on your educational plan.You are responsible for knowing information and tracking changes.
Contact your Advising Center for support.

Science & Engineering Advising
se-adv@seattleu.edu

Seattle U Advising Services
http://www.seattleu.edu/advising