

SEQUENCE PLANNING CHART FOR BIOLOGY TO PA (*AS OF 2021)

UNDERGRADUATE

Year 1 Fall

- › BY-119 Introductory Biology Major Seminar (1 cr.)
- › BY-110 Introduction to Cell and Molecular Biology (4 cr.)
- › CE-111 General Chemistry I (3 cr.)
- › CE-111L General Chemistry Laboratory I (1 cr.)
- › EN-101 College Composition I (3 cr.)
- › MA-115 Pre-calculus (3 cr.)
- › Gen*Ed Aesthetics (3 cr.)

Year 1 Spring

- › BY-109 Introduction to Biodiversity and Evolution (4 cr.)
- › CE-112 General Chemistry II (3 cr.)
- › CE-112L General Chemistry Laboratory II (1 cr.)
- › MA-151 Statistics with Applications (3 cr.)
- › EN-102 College Composition II (3 cr.)
- › Gen*Ed World Language (3 cr.)

Year 1 Summer

- › BY-211 Physiology with Anatomy I (4 cr.)
- › BY-212 Physiology with Anatomy II (4 cr.)

Year 2 Fall

- › BY-216 Introduction to Genetics (4 cr.)
- › CE-241 Organic Chemistry I (3 cr.)
- › CE-241L Organic Chemistry I Lab (2 cr.)
- › Biology Elective: Evolution and Ecological Systems (3 cr.)
- › Gen*Ed Cultural Diversity or Global Understanding (3 cr.)

Year 2 Spring

- › Biology Elective (3 cr.)
- › CE-242 Organic Chemistry II (3 cr.)
- › BY-223 General Microbiology (4 cr.)
- › PY-103 Introduction to Psychology (3 cr.)
- › Free Elective/Experiential Education (2 cr.)
- › Gen*Ed Literature (3 cr.)

Year 2 Summer

- › BY-310 Biochemistry (4 cr.)
- › Biology Elective (3 cr.)
- › Free Elective (3 cr.)

Year 3 Fall

- › PH-105 Physics for the Life Sciences I (3 cr.)
- › PH-105L Physics for the Life Sciences Laboratory I (1 cr.)
- › BY-375L Laboratory in Molecular and Cellular Biology (or other BY WT) (3 cr.)
- › Gen*Ed Social Science (3 cr.)
- › Gen*Ed Historical Perspectives (3 cr.)
- › Free Elective (4 cr.)

Year 3 Spring

- › PH-106 Physics for the Life Sciences II (3 cr.)
- › PH-106L Physics for the Life Sciences Laboratory II (1 cr.)
- › Biology Elective (3 cr.)
- › Gen*Ed Interdisciplinary Perspectives (3 cr.)
- › Free Elective (6 cr.)
- › BY-495 Senior Seminar (1 cr.)

Undergraduate degree earned after completion of 120 credits and all Biology undergraduate degree requirements. See web for tuition details.

GRADUATE

Year 4 Fall

- › PHA-601 Human Anatomy (5 cr.)
- › PHA-603 Intro to Patient Assessment (5 cr.)
- › PHA-616 Physiology & Pathophysiology I (3 cr.)
- › PHA-618 Pharmacology & Pharmacotherapy I (3 cr.)
- › PHA-637 Topics in Medicine & Surgery I (5 cr.)

Year 4 Spring

- › PHA-617 Physiology & Pathophysiology II (3 cr.)
- › PHA-619 Pharmacology & Pharmacotherapy II (3 cr.)
- › PHA-620 PA Professional Practice (3 cr.)
- › PHA-638 Topics in Medicine & Surgery II (6 cr.)
- › PHA-623 Clinical Skills I (3 cr.)
- › PHA-629 Pathology (3 cr.)

Year 4 Summer

- › No coursework

Year 5 Fall

- › PHA-615 Topics in Medicine & Surgery III (6 cr.)
- › PHA-624 Behavioral Medicine & Psychiatry (4 cr.)
- › PHA-627 Research Methods I (3 cr.)
- › PHA-628 Clinical Skills II (3 cr.)
- › PHA-632 Biomedical Ethics (2 cr.)

Year 5 Spring

- › PHA-622 Clinical Management (2 cr.)
- › PHA-640 Supervised Clinical Practice Experiences I (8 cr.)

Year 5 Summer

- › PHA-641 Supervised Clinical Practice Experiences II (8 cr.)

Year 6 Fall

- › PHA-642 Supervised Clinical Practice Experiences III (8 cr.)

Year 6 Spring

- › PHA-635 Research Methods II (1 cr.)
- › PHA-643 Supervised Clinical Practice Experiences IV (8 cr.)

