

HONORS SEQUENCE PLANNING CHART FOR BIOLOGY TO PA (*AS OF 2022)

UNDERGRADUATE

Year 1 Fall

- > BY-119 Introductory Biology Major Seminar (1 cr.)
- > BY-109 Introduction to Biodiversity and Evolution (4 cr.) HONORS
- > CE-111 General Chemistry I (3 cr.) HONORS
- > CE-111L General Chemistry Laboratory I (1 cr.) HONORS
- > EN-101 College Composition I (3 cr.) HONORS
- > MA-115 Pre-calculus (3 cr.)
- > Gen*Ed Historical Perspectives (3 cr.)

Year 1 Spring

- > BY-110 Introduction to Cell and Molecular Biology (4 cr.)
- > CE-112 General Chemistry II (3 cr.) HONORS
- > CE-112L General Chemistry Laboratory II (1 cr.)
- > MA-151 Statistics with Applications (3 cr.)
- > EN-102 College Composition II (3 cr.) HONORS
- > 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.) HONORS

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.) HONORS
- > Free Elective/Experiential Education (1 cr.)
- > HO-296 Honors Thesis/Capstone Prep (1 cr.)
- > Gen*Ed Literature (3 cr.) HONORS

Year 2 Summer

- > BY-310 Biochemistry (4 cr.)
Honors Credit by Contract
- > 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.)
Honors Credit by Contract
- > AN-103 Cultural Anthropology (3 cr.) HONORS
- > Gen*Ed Aesthetics (3 cr.) HONORS
- > Free Elective (2 cr.)
- > HO-396 Honors Capstone Proposal (2 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.)
- > Upper-level Biology Elective (3 cr.)
Honors Credit by Contract
- > Gen*Ed Interdisciplinary Perspectives (3 cr.)
- > Free Elective (6 cr.)
- > BY-495 Senior Seminar (1 cr.)
- > HO-496 Honors Thesis/Capstone Completion (2 cr.)

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

See monmouth.edu/honors for an outline of Honors requirements or call the Honors School at 732-263-5308..

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.)

