

MEDICAL SCIENCES CORE CURRICULUM MAP

MAJOR Option with BIOC 3501: 4 years

Year 1	<p>Biology (BIOL 1010) (fall)</p> <p>Chemistry (CHEM 1011) (fall)</p> <p>Psychology (PSYO 1011) (fall)</p> <p><i>Elective*</i> (fall)</p> <p>Biology (BIOL 1011) (winter)</p> <p>Chemistry (CHEM 1012) (winter)</p> <p>Psychology (PSYO 1012) (winter)</p> <p><i>Elective*</i> (winter)</p> <p>Calculus (MATH 1215) (fall or winter)</p> <p>Statistics (STAT 1060) (fall or winter)</p>
Year 2	<p>Organic Chemistry (CHEM 2401) (fall)</p> <p>Neurophysiology (PHYL 2041) (fall)</p> <p>Organic Chemistry (CHEM 2402) (winter)</p> <p>Human Systems Physiology (PHYL 2044) (winter)</p> <p>Social Determinants of Health (EPAH 2010) (winter)</p> <p>Cell Biology (BIOL 2020) (fall or winter)</p> <p>Genetics & Mol. Biol. (BIOL 2030) (fall or winter)</p> <p>Biochemistry (BIOC 2300) (fall or winter)</p> <p><i>Elective</i> (fall or winter)</p> <p><i>Elective</i> (fall or winter)</p>
Year 3	<p>Pharmacology (PHAC 3030) (fall)</p> <p>Physics (PHYC 1310) (fall)</p> <p>Biotechnology (BIOC 3501) or selective (fall)***</p> <p>Anatomy (ANAT 3010) (winter)</p> <p>Pathology (PATH 3000) (winter)</p> <p>Microbiology (MICI 2100) (winter)</p> <p>Bioethics – Patient Care (PHIL 2805) (fall) <u>or</u> Bioethics – Social Policy (PHIL 2810) (winter) **</p> <p><i>Selective</i> (fall or winter)</p> <p><i>Selective</i> (fall or winter)</p> <p><i>Elective</i> (fall or winter)</p>
Year 4	<p>Epidemiology (EPAH 4010) (fall)</p> <p>Biotechnology (BIOC 3501) or selective (fall)***</p> <p>Capstone (SCIE 4005) (winter)</p> <p><i>Selective</i> (fall or winter)</p> <p><i>Selective</i> (fall or winter)</p> <p><i>Selective</i> (fall or winter)</p> <p><i>Selective</i> (fall or winter)</p> <p><i>Advanced Selective</i> (fall or winter)</p> <p><i>Elective</i> (fall or winter)</p> <p><i>Elective</i> (fall or winter)</p>

* We recommend one or both *Electives* in first year be used to fulfill the Writing requirement of

the College of Arts & Science (see calendar for a list of acceptable classes)

**Either PHIL 2805 or 2810 must be taken to fulfill the core Ethics course

*** One of MICI 3115 - PHYL 3520 - PSYO/NESC 3180 - BIOC 3501 must be taken as a core

requirement. With this course plan, you can take BIOC 3501 in fall of 3rd or 4th year. Whichever year you don't take BIOC 3501, you will take a selective instead. All students completing the 120 credit hour major must do a total of 8 selectives, including 1 advanced selective. Note that the prerequisites for BIOC 3501 are: BIOC 2300 and BIOL 2020 and BIOL 2030.

Note: If you are applying to professional program(s), please consult with your advisor to ensure you are fulfilling admission requirements.