Biology Major – Medical School Pathway 1

First Year

Fall Semester

BIOL 141/141L	General Biology I (& Lab)	4.5 cr.
CHEM 112/112L	General & Analytical Chemistry I (& Lab)	4.5 cr.
WRTG 107	Composition	3 cr.
PHIL 120	Introduction to Philosophy	3 cr.
		15 cr.

Spring Semester

BIOL 142/142L	General Biology II (& Lab)	4.5 cr.
CHEM 113/113L	General & Analytical Chemistry II (& Lab)	4.5 cr.
HUMN	Humanities Course	3 cr.
PSYC 110	Fundamentals of Psychology (S/BH)	3 cr.
		15 cr.

Second Year

Fall Semester

PSIO 220	Advanced Human Anatomy & Physiology I	3 cr.
BIOL 110L	Human Anatomy & Physiology I Lab	1 cr.
CHEM 232/232L	Organic Chemistry I (& Lab)	4.5 cr.
MATH 114[1]	Calculus I	4 cr.
PHIL 210[1]	Ethics	3 cr.
		15.5 cr.

Spring Semester

PSIO 221	Advanced Human Anatomy & Physiology II	3 cr.
BIOL 111L	Human Anatomy & Physiology II Lab	1 cr.
BIOL XXX	Biology Elective[2]	5 cr.
CHEM 233/233L	Organic Chemistry II (& Lab)	4.5 cr.
T/RS 121[1]	Theology I: Introduction to the Bible	3 cr.
		16.5 cr.

1 - Courses listed in Second Year could be taken *either* fall or spring semester, but it is strongly advised that they are taken during the Second Year.
2 - Taking a course that also has a lab component would be preferable as this would free up credits later in the student's pathway (possible recommendation include: BIOL 250 & Lab [Microbiology])

Third Year

Fall Semester

BIOL XXX	Biology Elective[3]	3-5 cr.
PHYS 120/120L	General Physics I (& Lab)	4 cr.
T/RS 122	Theology II: Christian Theology	3 cr.
CHEM 350	General Biochemistry I	3 cr.
S/BH	PSYC Elective or SOC 110	3 cr.
		16-18 cr.

Spring Semester[4]

BIOL 340/340L	Molecular Biology (& Lab)	5 cr.
PHYS 121/121L	General Physics II (& Lab)	4 cr.
PSIO 390	Experimental Approaches in Physiology	2 cr.
FREE ELECT	FREE ELECT[5]	3 cr.
		14 cr.

3 - Taking a course that also has a lab component would be preferable as this would free up credits later in the student's pathway (possible recommendations include: BIOL 260 [Genetics], or BIOL 350 & Lab [Cellular Biology]). Note that total credit calculation throughout pathway is based on the student taking 3 credits here and not 5 credits.

4 - The spring semester Third Year is intentionally a light credit load in order to allow the student time to prepare for MCATs

5 - Some students may choose to take CHEM 351 (General Biochemistry II) in order to fulfill the Biochemistry Minor. Note, this is not required by some medical schools and CHEM 350 + BIOL 340 would be more helpful for MCAT preparation. If a student wishes to take CHEM 351, then it is advised to take during the spring semester Fourth year (please consult with Pre-Health Advisor, Dr. Ferentino, regarding specific requirements of different medical schools).

Fourth Year

Fall Semester

BIOL 379	Biostatistics	3 cr.
BIOL XXX	Biology Elective[6]	4 cr.
PHIL/T/RS	Philosophy or Theology/Religious Studies Elective	3 cr.
HUMN	Humanities Course	3 cr.
FREE ELECT	FREE ELECT	3 cr.
		16 cr.

Spring Semester

BIOL XXX	Biology Elective[6]	4 cr.
HUMN	Humanities Course	6 cr.
FREE ELECT	FREE ELECT	2 cr.
		12 cr.

6 - Students can take their Biology Electives at any time during their undergraduate. However, the student should make sure that they are meeting the requirements of the Biology Portfolio. The student in the Medical School Pathway will likely need a Multi-Organismal Elective their Fourth Year.