

### Monmouth College Pre-medical track—Model Plan<sup>1,2,3</sup>

Year	Fall Semester	Spring Semester
First	<u>CHEM 140</u> General Chemistry (4) <u>BIOL 150</u> (4)	<u>CHEM 220</u> Intro to Analytical Chemistry (3) <u>CHEM 225</u> Intro. to Analytical Chemistry Lab (2) <u>BIOL155</u> or <u>BIOL 200</u> (Cell Biology) (4) <u>MATH 141</u> Pre-Calculus <sup>4</sup> (4)
Second	<u>CHEM 228</u> Organic Chemistry I (4) <u>MATH 151</u> Calculus I <sup>5</sup> (4)	<u>CHEM 230</u> Organic Chemistry II (4) <u>MATH 152</u> Calculus II or <u>MATH 151</u> (4)
Third	<u>PHYS 130</u> Physics I (4) Upper level Biology/Chemistry Courses	<u>PHYS 132</u> Physics II (4) Upper level Biology/Chemistry Courses
Fourth	Upper level Biology/Chemistry Courses	Upper level Biology/Chemistry Courses

1. Students interested in medical school should begin chemistry and biology courses in their first year.
2. This is a general plan for the pre-medical track; students should check with a faculty member in their major department or a member of the pre-health careers committee to insure this track is also compatible with their intended major. Pre-medical student can major in any discipline but the core science courses (1 year biology, 2 years chemistry, 1 year of physics) must be completed to attend medical school. Some medical schools require additional courses in other disciplines such as psychology and sociology.
3. Students who wish to attend medical school the fall after their graduation from Monmouth must take the MCAT (Medical College Admission Test) at the end of their junior year, so that they can apply to medical school in the summer between their junior and senior year. The MCAT tests the knowledge of basic science, reading comprehension and writing. Therefore, students should complete the core courses in the science disciplines by the end of their junior year.
4. Students who have not had pre-calculus in high school should take the pre-calculus course sometime in their first year. Students should consult the Mathematics department for placement in the proper Mathematics class.
5. Calculus I is a pre/co-requisite course for Physics I.
6. Students interested in medical school are also encouraged to take upper level biology (Anatomy & Physiology, Genetics, Microbiology, Molecular Biology, etc.) and Chemistry (Biochemistry, Advanced Biochemistry). These courses can be beneficial both for the MCAT and for background in medical school.