

Monmouth College Pre-dental track—Model Plan^{1,2,3}

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 ⁴ (4)
Second	<u>CHEM 228</u> Organic Chemistry I (4) <u>MATH 151</u> Calculus I ⁵ (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) <u>BIOC 330/335</u> Biochemistry (4)	<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 dental school should begin chemistry and biology courses in their first year.
2. This is a general plan for the pre-dental 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-dental student can major in any discipline but the core science courses (1 year biology, 2 years chemistry, 1 year of physics, 1 semester of biochemistry) must be completed to attend medical school. Some dental schools require additional courses in other disciplines; students should check the requirements for the schools to which they wish to apply.
3. Students who want to attend dental school the fall after their graduation from Monmouth must take the DAT (Dental 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 DAT tests the knowledge of basic science, reading comprehension, spatial ability 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 dental school are also encouraged to take upper level biology (Anatomy & Physiology, Genetics, Microbiology, Molecular Biology, etc.) and Biochemistry (Advanced Biochemistry). These courses can be beneficial both for the DAT and for background in dental school.