



This is a possible academic plan for a Pre-Med student majoring in Chemistry (all tracks, including Biochemistry track) It assumes student had at least a standard year each of high school biology, chemistry, and physics, and math ACT is at least 24 OR math SAT is at least 560.

Please consult Chemistry Department, regarding math, physics and chemistry course recommendations. Statistics is within courses required for majors in the Chemistry Department, so students should not need BIO 310 (Biostatistics).

| YEAR                    | CR  | FALL SEMESTER                    | CR | SPRING SEMESTER                          |
|-------------------------|---|----------------------------------|----|--|
| FRESHMAN                | 3   | CHM 203: General Chemistry I     | 3  | CHM 205 or 285: General Chemistry II     |
|                         | 1   | CHM 204: General Chemistry I Lab | 1  | CHM 206 or 286: General Chemistry II lab |
|                         | 3   | BIO 201: General Biology         | 3  | PHY 201: General Physics I               |
|                         | 1   | BIO 205: General Biology I Lab   | 1  | PHY 205: General Physics I Lab           |
|                         | Register for Magis Core courses including RSP and subscribe to Pre-Health Info Community. If Calculus was not taken in high school, might add MTH 245: Calculus I to one of the freshman semesters, but only if not overloaded. |                                  |    |  |
| SUMMER<br>SESSION I & 2 | 3   | CHM 321: Organic Chemistry I     | 3  | BIO 202: General Biology II (online)     |
|                         | 1   | CHM 322: Organic Chemistry I lab |    |  |

| YEAR      | CR   | SEMESTER ABROAD          | CR | SEMESTER AT CREIGHTON             |
|-----------|--|--------------------------|----|-----------------------------------|
| SOPHOMORE | 3  | Magis Core course        | 3  | CHM 323: Organic Chemistry II     |
|           | 3  | Magis Core course        | 1  | CHM 324: Organic Chemistry II Lab |
|           | 6-7  | Core/Elective coursework | 4  | MTH 246: Calculus II              |
|           | 1  | Possible research        | 4  | BIO 362 & BIO 206 (1)             |
|           | PHLC 200 all year. Before MCAT will need PSY 201, and either ANT 111, ANT 113, or SOC 101; Sophomore year is a good option for these courses but freshman and junior years will also work. Junior year is when Biochemistry, Physiology, and General Physics II are taken, all essential before MCAT. Most students will benefit from taking BIO 317: Genetics, before the MCAT. |                          |    |                                   |



| YEAR   | CR | FALL SEMESTER  | CR | SPRING SEMESTER                        |
|--------|----|--|----|--|
| JUNIOR | 3  | CHM 381: Biochemistry                                      | 3  | CHM 343: Physical Chemistry II         |
|        | 2  | CHM 382: Biochemistry Lab (required if Biochemistry major) | 2  | CHM 342: Physical Chemistry lab        |
|        | 3  | CHM 341: Physical Chemistry 3                              | 3  | BIO 449: Animal Physiology             |
|        | 3  | PHY 202: General Physics II                                |    | BIO 317 or BIO 362 (if not done yet)   |
|        | 1  | PHY 206: General Physics II Lab                            | 1  | CHM 496: Directed Independent Research |
|        | 1  | CHM 496: Directed Independent Research                     | 3  |  |
|        |    | Magis Core   |    |  |
|        |    | PMED 300 all year.   |    |  |