

## Pre-Pharmacy Course Requirements at University of Wisconsin- Madison

The pre-pharmacy requirements can be completed in a minimum of two years. Many applicants complete the pre-pharmacy requirements during the application process. All pre-pharmacy requirements must be completed with a grade of C- or better. Advanced Placement (AP) courses taken in high school may be used to fulfill pre-pharmacy requirements. All pre-pharmacy requirements must be completed before students start their first day of class in the PharmD program.

UW-Madison courses that fulfill CUW's requirements are listed concurrently. This is not the only path to successfully completing the prerequisite courses. Contact us with questions regarding course completion.

|                                   | CUW Requirement                               | Credits   | Dept #                                                                                                                                                             | UW- Madison Course Name                                                                                        |
|-----------------------------------|-----------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Science Core Courses</b>       | Biology I (w/Lab)                             | 4         | BIOLOGY 151                                                                                                                                                        | Introductory Biology                                                                                           |
|                                   | Biology II (w/Lab)                            | 4         | BIOLOGY 152                                                                                                                                                        | Introductory Biology                                                                                           |
|                                   | General Chemistry I (w/Lab)                   | 4         | CHEM 101 & 103                                                                                                                                                     | General Chemistry I and Lab                                                                                    |
|                                   | General Chemistry II (w/Lab)                  | 4         | CHEM 102 & 104                                                                                                                                                     | General Chemistry II and Lab                                                                                   |
|                                   | Organic Chemistry I (w/Lab)                   | 8         | CHEM 343, 344, 345                                                                                                                                                 | Introductory Organic Chemistry, Introductory Organic Chemistry Laboratory, and Intermediate Organic Chemistry  |
|                                   | Organic Chemistry II (w/Lab)                  |           |                                                                                                                                                                    |                                                                                                                |
|                                   | Physics I (Lab optional)                      | 3-4       | PHYSICS 103                                                                                                                                                        | General Physics                                                                                                |
|                                   | Advanced Science Elective                     | 4-5       |                                                                                                                                                                    | <i>Physics II, Anatomy &amp; Physiology, Biochemistry, Cell Biology, Molecular Biology, Microbiology, etc.</i> |
| <b>Total Science Credits</b>      |                                               | <b>32</b> |                                                                                                                                                                    |                                                                                                                |
| <b>Support Courses</b>            | Calculus                                      | 3         | MATH 211                                                                                                                                                           | Survey in Calculus and Analytic Geometry                                                                       |
|                                   |                                               |           | MATH 231                                                                                                                                                           | Calculus and Analytic Geometry                                                                                 |
|                                   | Statistics                                    | 3         | MATHSTAT 215                                                                                                                                                       | Elementary Statistical Analysis                                                                                |
|                                   |                                               |           | BIO SCI 465                                                                                                                                                        | Biostatistics                                                                                                  |
|                                   |                                               |           | KIN 270                                                                                                                                                            | Statistics in Health Professions                                                                               |
|                                   | College-Level Writing                         | 3         | ENG 101                                                                                                                                                            | Introduction to College Writing                                                                                |
|                                   | Interpersonal Communications/ Public Speaking | 3         | COMM 101                                                                                                                                                           | Intro to Interpersonal Communication                                                                           |
|                                   |                                               |           | COMM 103                                                                                                                                                           | Public Speaking                                                                                                |
| General Education Electives       | 12                                            |           | <i>Electives can come from wide variety of classes; ex. History, Literature, Philosophy, Theology, Foreign Language, Social Sciences, Physical Education, etc.</i> |                                                                                                                |
| <b>Total Support Credits</b>      |                                               | <b>24</b> |                                                                                                                                                                    |                                                                                                                |
| <b>Total Pre-Pharmacy Credits</b> |                                               | <b>56</b> |                                                                                                                                                                    |                                                                                                                |