

APPENDIX A

PHARMD EARLY ASSURANCE PROGRAM

PRE-PHARMACY CURRICULUM REQUIREMENTS

| Fall Semester Year 1 | Minimum Required Hours | Total Hours |
|---|--|--------------------|
| General Biology 1 w/lab or General Zoology w/lab | 4-5 | 4-5 |
| General Chemistry 1 w/lab | 4-5 | 4-5 |
| English Composition 1 | 3 | 3 |
| College Algebra | 3 | 3 |
| Elective (See approved elective subject list below.) | 3 | 3 |
| | | 17-19 |
| Spring Semester Year 1 | Minimum Required Hours | Total Hours |
| General Microbiology | 4-5 (hours vary as it may or may not include lab depending on your school) | 4-5 |
| General Chemistry 2 w/lab | 4-5 | 4-5 |
| English Composition 2 | 3 | 3 |
| Calculus (Business and Biocalculus are acceptable) | 3 | 3 |
| Elective | 3 | 3 |
| | | 17-19 |
| Summer Semester Year 1 | Minimum Required Hours | Total Hours |
| Organic Chemistry 1 | 3-5 (hours vary as it may or may not include lab depending on your school) | 3-5 |
| | | 3-5 |
| Fall Semester Year 2 (Apply) | Minimum Required Hours | Total Hours |
| Organic Chemistry 2 | 3-5(hours vary as it may or may not include lab depending on your school) (Be sure to enroll in the Organic Chemistry Lab if your school offers it separately.) | 3-5 |
| Human Physiology | 4 | 4 |
| Electives | 9 | 9 |
| | | 16-18 |
| Spring Semester Year 2 | Minimum Required Hours | Total Hours |
| General Physics | 3-5(hours vary as it may or may not include lab depending on your school) | 3-5 |

| | | |
|---|--|--------------|
| Introductory Biochemistry OR Additional biology course (Recommended, not required) | 3-5 (hours vary as it may or may not include lab depending on your school) | 3-5 |
| Electives | 9 | 9 |
| | | 15-19 |
| | | |
| Total Required Hours | | 65-76 |

NOTES:

1. Please note that these are the minimum hours needed for completion. There may be times students exceed these minimum hours based on the courses they select and what is offered at their college or university.
2. Students must submit an Enrollment Approval form to the Director of Recruitment & Admissions as soon as they are enrolled for the next semester so that if any changes need to be made, there is still time to do so. Failure to submit this form or to follow any policies or procedures outlined will result in removal from the program.
3. We accept AP/IB and CLEP credit for pre-pharmacy coursework as long as it is transferred to and appears on your primary college or university's transcript and can be verified.
4. **Students who plan to use any of these credits to satisfy pre-pharmacy coursework requirements, should inform the Director of Recruitment & Admissions during the meeting regarding the Statement of Understanding.** A new curriculum and timeline may need to be developed based on the number of credits awarded. Approval of this request is not guaranteed.
5. If you choose to take a combined Human Anatomy and Physiology course, you must complete both Human Anatomy & Physiology 1 and Human Anatomy & Physiology 2 to satisfy the pre-pharmacy curriculum requirements.
6. Please note that some schools combine organic chemistry lecture and labs into one course. At minimum, each student must complete 8 total hours of organic chemistry including lab.
7. A minimum of 24 hours of electives must be successfully completed. Approved subject areas for electives may be selected from the areas listed below. **(Please note, the examples are not exhaustive nor specifically required. They are just a reference tool.)**
8. **It is highly recommended (though not required) that students select the following electives as a part of their 24 hours:**
 - a. A statistics course
 - b. A computer science course
 - c. A course with a diversity component
 - d. An economics course
 - e. A communications course (interpersonal or public speaking)
 - f. A behavioral science course (psychology or sociology)

| Subject Area | Examples |
|---|---|
| Fine Arts (non-performance based) | Intro to Music; Film Appreciation; History of Rock and Roll; Dance Appreciation; World Music; Art History or Art Appreciation |
| History | US History Before 1865; US History Since 1865; World History; |
| Political Science | American Government; US Political System; Intro to Public Administration |
| Anthropology | Introduction to Anthropology; General Anthropology; Cultural Anthropology |
| Humanities | General Humanities; Introduction to Western Civilization |
| Geography | World Political Geography; Introduction to Geography; Cultural Geography |
| Philosophy | Introduction to Philosophy; Early Greek Philosophers; Philosophy of Religion; Religious Studies |
| Literature | American Literature; British Literature; World Literature; Mythology |
| Social Science | Criminal Justice; Criminology; Social Studies; Archaeology; Linguistics; Law |
| Behavioral Science | General Psychology; Introduction to Sociology |
| Foreign Language | Spanish, French, German, Russian, Native American Languages, Arabic, Italian, Chinese, Japanese, etc. |
| Communications | Intro to Public Speaking; Intro to Business & Professional Speaking; Interpersonal Communication; Journalism; Media; Public Relations |
| English | Advanced Grammar; History of English Language; Gender Studies; Ethnicity Studies; Medical Terminology; Writing Courses |
| PLEASE NOTE THAT YOU CAN ONLY TAKE A MAXIMUM OF 9 HOURS TOTAL FROM THE SUBJECTS BELOW: | |
| Business | Intro to Business Administration; Microeconomics; Macroeconomics; Personal Finance; Finance; Marketing; Public Relations; Economics |
| Statistics | Intro to Probability & Statistics; Biostatistics; Research Statistics (regardless of subject area) |
| Computer Science | Intro to Computer Programming; Programming Languages; Software Development; Web Development; Word Processing; Spreadsheet Functions |