

**PHARMD EARLY ASSURANCE PROGRAM
PRE-PHARMACY CURRICULUM REQUIREMENTS**

Fall Semester Year 1	Minimum Required Hours	Total Hours
General Biology	4	4
General Chemistry 1	4	4
English Composition 1	3	3
College Algebra or Pre-Calc (see notes)	3	3
Total Semester Hours		14
Spring Semester Year 1	Minimum Required Hours	Total Hours
General Microbiology	4	4
General Chemistry 2	4	4
English Composition 2	3	3
Business Calculus or Calculus I	3	3
Total Semester Hours		14
Summer Semester Year 1	Minimum Required Hours	Total Hours
Elective	3	3
Elective	3	3
Total Semester Hours		6
Fall Semester Year 2	Minimum Required Hours	Total Hours
Organic Chemistry 1	3-5	3-5
Human Physiology	4	4
Electives	6	6
Total Semester Hours		13-15
Spring Semester Year 2	Minimum Required Hours	Total Hours
Organic Chemistry 2 w/lab	5	5
General Physics I	3-4	3-4
Electives	6	6
Total Semester Hours		14-15
Summer Semester Year 2	Minimum Required Hours	Total Hours
Elective	3	3
Total Semester Hours		3
Total Required Hours		64

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. All biology, chemistry, and microbiology prerequisites must be for science majors. While not required, it is **expected that** PEAP participants will take physiology to satisfy some of the 8 hours of biological sciences requirement.
3. Please check with your undergraduate institution to determine if College Algebra or Pre-Calculus is the prerequisite to enroll in Calculus. This requirement varies by institution.
4. Please check with your undergraduate institution to determine if College Algebra is a prerequisite to enroll in General Chemistry I. If so, you may need to take the course in the summer prior to beginning your freshman fall semester.
5. If you have to take a College Algebra, Pre-Calculus, or Functions & Modeling course prior to Calculus or General Chemistry I, this course will count toward your 24 hours of electives. We will also accept AP/IB or CLEP credit for these courses toward your 24 hours of required electives.
6. 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.
7. **Students who plan to use any of these credits or any dual enrollment 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.
8. Please note that some schools combine organic chemistry lecture and labs, physics lecture and labs, or microbiology lecture and labs into one course. At minimum, each student must complete 8 total hours of organic chemistry including lab, 3 hours of physics (no lab required), and 4 hours of microbiology w/lab .
9. 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.)**
10. **It is highly recommended (though not required) that students select the following electives as a part of their 24 hours:**
 - a. A statistics, algebra, pre-calculus or functions & modeling 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)

APPROVED ELECTIVE SUBJECT AREAS:

Subject Area	Examples
Fine Arts (non-performance based)	Intro to Music; Film Appreciation
History	US History Before 1865; US History Since 1865
Political Science	American Government; Govt Forms
Anthropology	Intro to Anthropology; Cultural Anthropology
Humanities	General Humanities; Intro to Western Civilization
Geography	World Political Geography; Human Geography
Philosophy	Intro to Philosophy; Religious Studies
Literature	American Lit; British Lit; World Lit;

Social Science	Criminal Justice; Criminology
Behavioral Science	General Psychology; Introduction to Sociology
Foreign Language	Spanish, French, German, etc.
Communications	Intro to Public Speaking; Interpersonal Comm
English	Advanced Grammar; Medical Terminology
Leadership	Intro to Leadership; Presidential Leadership Class
Business	Intro to Business; Micro or Macroeconomics
Certain Math Classes	Intro to Stats; Biostats; College Algebra; PreCalculus
Computer Science	Intro to Computers; Software Development
General Studies, Intro Nutrition, & Personal Health	Intro to Liberal Studies; Intro to Nutrition; Personal Health; Healthy Life Skills; Orientation Courses