



Albany College of Pharmacy AND HEALTH SCIENCES

EARLY ASSURANCE PRE-PHARMACY

Albany College of Pharmacy and Health Sciences offers a 6 year curriculum (2-year pre-pharmacy and 4-year professional) leading to a Doctor of Pharmacy (PharmD) degree and eligibility for licensure within the profession. Students may enter the pre-pharmacy years through the College's early assurance program which guarantees admission into the first professional year (P1) provided all progression requirements are met (see the catalog section, Progression Requirements for Admission in the PharmD Program for details).

External students may transfer into the pre-pharmacy portion of the program under the early assurance route of entry if seats are available. Early assurance students who progress into P1 may opt to complete the four professional years on the Albany or Vermont campus.

EARLY ASSURANCE REQUIRED COURSES

Natural Sciences: 38 required credits

CHE 111 and 121: General Chemistry I and II (4, 4)

CHE 211 and 221: Organic Chemistry I and II (4, 4)

PHY 245: Physics for Life Sciences (4)¹

BIO 111 and BIO 121: General Biology I and II (4, 4)

BIO 210: Microbiology (4)

6 credits of 200 level or higher science selectives² chosen from the following. At least one course must have a BHS or BIO prefix: BIO 235: Cell Biology (3), BIO 213: Anatomy and Physiology I (3), BIO 215: Anatomy and Physiology II (3), BIO 225: Genetics (3), BIO 240: Virology (3), BIO 245: Biological Basis of Disease (3), BIO 365: Parasitology (3), BHS 360: Clinical Anatomy (3), PBH 350: Epidemiology (3), and MAT 211: Calculus II (3). Other courses may be counted with the permission of the Program Co-Directors.

Humanities, Social Science, and Communication: 15 required credits³

HUM 101, 102 and 201: The Pre-Modern World (3), The Modern World (3), The Contemporary World (3)

PSY 101: Psychology (3)

COM 115: Principles of Communication (3)

Mathematics: 7 required credits

MAT 111: Calculus (4)⁴

MAT 145: Elementary Statistics (3)

Electives: Minimum of 9 credits⁵

9-12 credits of electives

At least 6 of the 9 required elective credits must be liberal arts credits.

TOTAL CREDITS: 69 CREDITS

¹Students may elect to take PHY 212: College Physics I (4) and PHY 222: College Physics II (4) in place of PHY 245: Physics for Life Sciences (4) and a Science Selective (3). A student successfully completing PHY 212 must also take PHY 222 to meet progression requirements for admission into the PharmD Program.

²For the purposes of applying transfer credit and remediation policies, Science Selectives are considered required courses.

³All incoming students are assessed for their writing ability. The assessment is designed to direct students to the courses for which they are best prepared in the first year of the curriculum (COM 101 or COM 115).

⁴Calculus I and II may be substituted for Calculus with 4 credits counting toward Science Selective hours.

⁵Students completing the PharmD program have additional elective requirements that include a total minimum of 9 elective liberal arts credits. Students may register for an additional 3 credits during the pre-pharmacy years to satisfy the 3 non-professional elective credits designated during the P1-P3 years. See the Required Courses for the PharmD Program section of the catalog for details.

EARLY ASSURANCE SAMPLE SCHEDULE

Students whose writing skill development is appropriate for COM 115: Principles of Communication will take the following first year schedule of courses.

Year 1						
Fall Semester			Credits	Spring Semester		Credits
BIO 111	General Biology I		4	BIO 121	General Biology II	4
CHE 111	General Chemistry I		4	CHE 121	General Chemistry II	4
MAT 111	Calculus*		4	COM 115	Principles of Communication*	3
HUM 101	The Pre-Modern World		3	HUM 102	The Modern World	3
PSY 101	Psychology		3		Elective	3
	Total		18		Total	17

*Some students take these course in the alternate semester.

Students needing writing skill development additionally take COM 101: Academic Reading and Writing and will have the following first year schedule of courses.

Year 1						
Fall Semester			Credits	Spring Semester		Credits
BIO 111	General Biology I		4	BIO 121	General Biology II	4
CHE 111	General Chemistry I		4	CHE 121	General Chemistry II	4
COM 101	Academic Reading and Writing		3	COM 115	Principles of Communication	3
HUM 101	The Pre-Modern World		3	HUM 102	The Modern World	3
PSY 101	Psychology		3	MAT 111	Calculus	4
	Total		17		Total	18

Students take one of the following second year schedules.

Year 2						
Fall Semester			Credits	Spring Semester		Credits
CHE 211	Organic Chemistry I		4	CHE 221	Organic Chemistry II	4
HUM 201	The Contemporary World		3	MAT 145	Elementary Statistics	3
PHY 245	Physics for Life Sciences		4		Science Selective	3
BIO 210	Microbiology		4		Science Selective	3
	Elective		3		Elective	3
	Total		18		Total	16

Or

Year 2						
Fall Semester			Credits	Spring Semester		Credits
CHE 211	Organic Chemistry I		4	CHE 221	Organic Chemistry II	4
HUM 201	The Contemporary World		3	MAT 145	Elementary Statistics	3
	Science Selective		3	PHY 245	Physics for Life Sciences	4
BIO 210	Microbiology		4		Science Selective	3
	Elective		3		Elective	3
	Total		17		Total	17

SCIENCE SELECTIVE INFORMATION

Fall Offerings	Prerequisites
Anatomy and Physiology I	General Biology I and II
Biological Basis of Disease	General Biology I and II
Epidemiology	
Clinical Anatomy	General Biology I and II
Genetics	General Biology I and II

Spring Offerings	Prerequisites
Anatomy and Physiology II	General Biology I and II
Cell Biology	General Biology I and II
Virology	Microbiology
Parasitology	Microbiology
Calculus II	Calculus or Calculus I
Introduction to Human Pathology	