

# Pharmacy

## Health Professions Advisory Program



### Academic Requirements for Doctoral Programs in Pharmacy (Pharm. D.)

Required Courses These are the SSU courses most commonly used to satisfy the prerequisite requirements	Highly Recommended Courses These courses may also be required by some schools
<u><b>Biology</b></u> BIOL 130: Diversity of Life BIOL 131: Genetics, Evolution & Ecology *BIOL 232: Molecular and Cellular Biology BIOL224 or 349: Human or Animal Physiology BIOL240: Medical Microbiology  <u><b>Chemistry</b></u> CHEM 115A & B: General Chemistry CHEM 335A & B: Organic Chemistry CHEM 336A & B: Organic Chemistry Lab CHEM 446: Metabolic Biochemistry  <u><b>Physics</b></u> PHYS 210A & B: General Physics PHYS 209A & B: General Physics Lab  <u><b>Math</b></u> MATH 165: Statistics MATH 161: Calculus  <u><b>English</b></u> ENGL 101: Expository Writing and Reading Additional units of composition: 3 Units  <u><b>Other</b></u> PSY 250: Introduction to Psychology	BIOL220: Human Anatomy BIOL 342: Molecular Genetics ECON 204 or 205: Introduction to Microeconomics or Macroeconomics  A course in Public Speaking
	Other Suggested Courses These courses cover additional topics that are important for Pharmacy School
	BIOL 328: Vertebrate Evolutionary Morphology BIOL 343: Stem Cell Biology BIOL 346: Neurobiology BIOL 380: Genetic Basis of Human Diseases BIOL 472: Developmental Biology BIOL 480: Immunology

#### ADDITIONAL NOTES:

\*Most pharmacy school require 2 semesters of general biology, however the most critical course at SSU for pre-pharmacy students is BIOL 232, which requires BIOL 130 & 131 as prerequisites. Therefore, most students should take all 3 courses. Students are strongly encouraged to take courses from the "Recommended" and "Suggested" list (right column). Please note that some of the courses listed above, especially 300 and 400 level science courses, may have other prerequisites.

Pharmacy schools no longer require the PCAT (Pharmacy College Admission Test) therefore no standardized exam is required. For general information about pharmacy programs, go to <http://www.aacp.org>. For information about specific pharmacy programs, go to: <https://www.pharmcas.org/school-directory/pharmd-directory>

For information about the SSU Health Professions Advisory Program, visit: <https://stb.sonoma.edu/hpap>

#### Contacts:

Ms. Elisabeth Kettmann, Admin. Operations Analyst  
 Tel: (707) 664-2535  
 Email: [elisabeth.kettmann@sonoma.edu](mailto:elisabeth.kettmann@sonoma.edu)

Dr. Joseph Lin, Director  
 Tel: (707) 664-2931  
 Email: [linj@sonoma.edu](mailto:linj@sonoma.edu)