

## Pre-PharmD Sample Program

Year	Fall	Winter	Spring	Summer (Recommended)
1	BIO SCI 93 CHEM 1A PSYCH 7A or 9ABC or 11ABC PHRMSCI 1	BIO SCI 94 CHEM 1B WRITING 39B ANTHRO 2A	CHEM 1C/1LC MATH 2A WRITING 39C	
2	BIO SCI 97 CHEM 51A/1LD MATH 2B BIO SCI 194S	BIO SCI 98 CHEM 51B/51LB PHRMSCI 42 STATS 7 or 8	BIO SCI 9 CHEM 51C/51LC PHRMSCI 76 PHRMSCI 90 or ECON 20A	PHRMSCI 190 ECON 20A CHEM 51LD
3	PHRMSCI 120, 120L PHYSICS 3A BIO SCI 100 (P/NP) CHEM 51LD Research: BIO or PHRMSCI 199	PHRMSCI 170A PHYSICS 3B/LB BIO SCI D103 Research: BIO or PHRMSCI 199	PHRMSCI 170B PHYSICS 3C/LC GE Cat. IV Research: BIO or PHRMSCI 199	BIO SCI M122 BIO SCI M118L
4	PHRMSCI 171 PHRMSCI 172 PHRMSCI 174, 174L GE Cat. IV Research: BIO or PHRMSCI 199	PHRMSCI 177, 177L PHRMSCI UD Elective GE Cat. IV Research: BIO or PHRMSCI 199	PHRMSCI 173 BIO SCI D170 PHRMSCI UD Elective Research: BIO or PHRMSCI 199	

Pharmacy Pre-reqs

### Upper Division Electives (8 units to graduate)

#### Biological Sciences

D103 Cellular Biology  
D104 Developmental Biology  
D111L Developmental and Cell Biology Lab  
D126 Systems Biology of Human Disorders  
D129 Biotechnology and Plant Breeding  
D136 Human Anatomy  
D137 Eukaryotic and Human Genetics  
D145 Genomics and Proteomics  
D148 Development and Disease2  
D151 Advanced Cell Biology1  
D153 Molecular and Cellular Basics of Disease  
D170 Applied Human Anatomy  
E136 The Physiology of Human Nutrition

E137 Genetics of Complex Traits  
E141 Cell Signaling in Development  
E142 Writing/Philosophy of Biology  
E189 Environmental Ethics  
M114 Advanced Biochemistry  
M114L Biochemistry Laboratory  
M116L Molecular Biology Laboratory  
M118L Experimental Microbiology Laboratory  
M120 Signal Transduction in Mammalian Cells  
M121 Immunology with Hematology  
M122 General Microbiology  
M122L General Microbiology Laboratory  
M123 Introduction to Computational Biology

M124A Virology  
M124B Viral Pathogenesis and Immunity  
M124L Virus Engineering Laboratory  
M125 Molecular Biology of Cancer  
M128 Genetic Engineering  
M137 Microbial Genetics  
M143 Human Parasitology  
M144 Cell Organelles and Membranes  
N110 Neurobiology  
N113L Neurobiology Laboratory  
N153 Neuropharmacology  
N154 Molecular Neurobiology  
N171 Neurobiology of Transmitter Receptors

#### Public Health

121 Introduction to Complementary and Alternative Medicine

#### Physical Sciences

107 Inorganic Chemistry I  
107L Inorganic Chemistry Laboratory  
125 Advanced Organic Chemistry  
128 Introduction to Chemical Biology

128L Introduction to Chemical Biology  
Lab Techniques  
138 Introduction to Computational  
Organic Chemistry

156 Advanced Lab in Chemistry and Synthesis  
of Materials  
160 Organic Synthesis Laboratory  
170 Radioisotope Techniques

## 4-Year Plan

Year	Fall	Winter	Spring	SSI	SSII
1					
2					
3					
4					

## 3-Year Plan

Year	Fall	Winter	Spring	SSI	SSII
1					
2					
3					