

# Transfer Pre-PharmD Sample Program

	Fall	Winter	Spring	Summer (Recommended)
<b>Year 1</b>	Complete transfer requirements at a community college: 1 year of Bio = BIO SCI 93 & 94 AND 1 year of General Chem = CHEM 1A-1C & 1LC-1LD			
<b>Year 2</b>	<ul style="list-style-type: none"> <li>BIO SCI 97</li> <li>CHEM 51A</li> <li>MATH 2B</li> <li>BIO SCI 194S</li> <li>PSYCH 7A or 9ABC or 11ABC3</li> </ul>	<ul style="list-style-type: none"> <li>BIO SCI 98</li> <li>CHEM 51B/51LB</li> <li>ANTHRO 2A</li> <li><b>STATS 7 or 8*</b></li> </ul>	<ul style="list-style-type: none"> <li>BIO SCI 99</li> <li>CHEM 51C/51LC</li> <li><b>PHRMSCI 90 or ECON 20A*</b></li> </ul>	<ul style="list-style-type: none"> <li><b>PHRMSCI 90*</b></li> <li><b>ECON 20A*</b></li> <li><b>CHEM 51LD* or during Fall of 3rd year</b></li> </ul>
<b>Year 3</b>	<ul style="list-style-type: none"> <li>PHRMSCI 120, 120L</li> <li>PHYSICS 3A</li> <li>BIO SCI 100 (P/NP) or during Winter or Spring of 3rd year</li> <li><b>CHEM 51LD*</b></li> </ul>	<ul style="list-style-type: none"> <li>PHRMSCI 170A</li> <li>PHRMSCI 42</li> <li>PHYSICS 3B/LB</li> <li><b>BIO SCI D103*</b></li> </ul>	<ul style="list-style-type: none"> <li>PHRMSCI 170B</li> <li>PHRMSCI 173</li> <li>PHYSICS 3C/LC</li> </ul>	<ul style="list-style-type: none"> <li><b>BIO SCI M122 *</b></li> <li><b>BIO SCI M118L*</b></li> </ul>
<b>Year 4</b>	<ul style="list-style-type: none"> <li>PHRMSCI 171</li> <li>PHRMSCI 172</li> <li>PHRMSCI 174, 174L</li> <li><b>Research: BIO or PHRMSCI 199**</b></li> </ul>	<ul style="list-style-type: none"> <li>PHRMSCI 177, 177L</li> <li>PHRMSCI UD Elective</li> <li>GE</li> <li><b>Research: BIO or PHRMSCI 199**</b></li> </ul>	<ul style="list-style-type: none"> <li>PHRMSCI UD Elective</li> <li>PHRMSCI 76</li> <li><b>BIO SCI D170</b></li> <li><b>Research: BIO or PHRMSCI 199**</b></li> </ul>	

\* PharmD pre-requisites

\*\* Recommended

# 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

## *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

## *Public Health*

- 121 Introduction to Complementary and Alternative Medicine