

Undergraduate Sample Program

	Fall	Winter	Spring	Requirements
Year 1	<ul style="list-style-type: none"> BIO SCI 93 (4) CHEM 1A (4) PHRMSCI 1 (1, P/NP) WRITING 39B (4) 	<ul style="list-style-type: none"> BIO SCI 94 (4) CHEM 1B (4) WRITING 39C (4) 	<ul style="list-style-type: none"> CHEM 1C/1LC (6) MATH 2A (4) GE 	<ul style="list-style-type: none"> WR 39A must be completed before Fall 2nd year
Year 2	<ul style="list-style-type: none"> BIO SCI 97 (4) CHEM 51A/1LD (6) MATH 2B (4) BIO SCI 194S (1, P/NP) 	<ul style="list-style-type: none"> BIO SCI 98 (4) CHEM 51B/51LB (6) PHRMSCI 42 (1) GE 	<ul style="list-style-type: none"> BIO SCI 99 (4) CHEM 51C/51LC (6) GE GE 	<ul style="list-style-type: none"> WR 39C must be completed before Fall 3rd year Math 2A is a co-req for Physics 3A Study Abroad (optional)
Year 3	<ul style="list-style-type: none"> PHRMSCI 120, 120L (7) PHYSICS 3A (4) BIO SCI 100 (3,P/NP) CHEM 51LD (2) 	<ul style="list-style-type: none"> PHRMSCI 170A (4) PHYSICS 3B (4) STATS 7, 8 or MATH 2D, 3A (4) 	<ul style="list-style-type: none"> PHRMSCI 170B (4) PHYSICS 3C (4) PHRMSCI 76 (2) GE 	<ul style="list-style-type: none"> Bio 100 & Physics 3C must be completed before Fall of 4th year Study Abroad (optional)
Year 4	<ul style="list-style-type: none"> PHRMSCI 171 (4) PHRMSCI 172 (2,P/NP) PHRMSCI 174, 174L (7) GE 	<ul style="list-style-type: none"> PHRMSCI 177, 177L (7) UD Elective GE GE 	<ul style="list-style-type: none"> PHRMSCI 173 (4) UD Elective GE 	<ul style="list-style-type: none"> *180 minimum units needed to graduate

***Bolded courses MUST be taken in the indicated quarter/year**

Upper Division Electives (8 units to graduate)

Pharmaceutical Sciences

- 163 Pharmacogenomics and Epigenetics
- 175 Drug Discovery Computing Techniques
- 179 Emerging Technologies in Pharmaceutical Sciences and Medicine

Biological Sciences

- D103 Cellular Biology
- D104 Developmental Biology
- D111L Developmental and Cell Biology Lab
- D136 Human Anatomy (summer only, no lab)
- D145 Genomics and Proteomics
- D148 Development and Disease2
- D170 Applied Human Anatomy (includes lab)
- E136 The Physiology of Human Nutrition
- E139 Animal Locomotion
- E142 Writing/Philosophy of Biology
- M114 Advanced Biochemistry
- M114L Biochemistry Laboratory
- M116L Molecular Biology Laboratory
- M118L Experimental Microbiology Laboratory
- M121 Immunology with Hematology
- M122 General Microbiology
- M123 Introduction to Computational Biology
- M124A Virology
- M124B Viral Pathogenesis and Immunity
- M124L Virus Engineering Laboratory
- M125 Molecular Biology of Cancer
- M137 Microbial Genetics
- M143 Human Parasitology
- M144 Cell Organelles and Membranes

- N110 Neurobiology
- N113L Neurobiology Laboratory
- N153 Neuropharmacology
- N154 Molecular Neurobiology

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

Public Health

- 121 Introduction to Complementary and Alternative Medicine
- 135 Medical Sociology
- 147 Drug Abuse Prevention