

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) GE (4) 	<ul style="list-style-type: none"> BIO SCI 94 (4) CHEM 1B (4) WRITING 39A/B/C (4) 	<ul style="list-style-type: none"> CHEM 1C/1LC (7) MATH 2A (4) WRITING 39A/B/C (4) GE 	<ul style="list-style-type: none"> Math 1B only offered Fall, Winter, Summer WR 39A must be completed before Fall 2nd year
Year 2	<ul style="list-style-type: none"> BIO SCI 97 (4) CHEM 51A/1LD (7) MATH 2B (4) GE 	<ul style="list-style-type: none"> BIO SCI 98 (4) CHEM 51B/51LB (7) PHRMSCI 42 (G) GE 	<ul style="list-style-type: none"> BIO SCI 99 (4) CHEM 51C/51LC (7) 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 (3) 	<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 Graduation application on StudentAccess due Week 2 of intended graduating quarter

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

Upper Division Electives (8 units to graduate)

Pharmaceutical Sciences

- 155 Neuropsychopharm
- 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

* 3 UCLC Health and Safety Modules are prerequisites for Upper Division Bio Labs and Bio Research (197,198,199)