



Four-Year Curriculum Plan in: Pharmaceutical Sciences

Freshman Year		Fall		Spring			
Course Prefix/Number		Course Title	Credit	Course Prefix/Number		Course Title	Credit
+ ENG	1110	English Composition I	3	+ENG	1210	English Composition II	3
=MATH	1200	College Algebra/Trig II	3	=MATH	2010	Calculus I	5
=CHEM	1100	General Chemistry I	4	=CHEM	1200	General Chemistry II	4
%=BIOL	1202	General Biology I	4				
+HUSC	1521	Dimensions of Learning	2	•PHRM	1000	Anatomy & Phys	3
*PHRM	1110	Seminar I	1	*PHRM	1120	Seminar II	1
Total			17	Total			16

Sophomore Year		Fall		Spring			
Course Prefix/Number		Course Title	Credit	Course Prefix/Number		Course Title	Credit
=PHYS	2110	General Physics I	4	=BIOL	4200	Biostatistics	3
=CHEM	3100	Organic Chemistry I	3	=CHEM	3120	Organic Chemistry II	3
=CHEM	3330	Organic Chemistry I Lab	1	=CHEM	3340	Organic Chemistry II Lab	1
=BIOL	2200	Molecular Biol of Cells	4	+PEDU	1541	Fitness	2
+HUM	2410/20	Arts and Humanities I or II	3	=BIOL	3200	Microbiology	4
*PHRM	2110	Seminar III	1	*PHRM	2120	Seminar IV	1
Total			16	Total			14

Junior Year		Fall		Spring			
Course Prefix/Number		Course Title	Credit	Course Prefix/Number		Course Title	Credit
=PHRM	4270	Pharm Technical Writing(WI)	3	•PHRM	4100	Immunology and Virology	3
=CHEM	4520	Biochemistry Lab	1	•PHRM	4110	Bioprocess & Cell Culture Lec	3
=CHEM	4500	Biochemistry	3	•PHRM	4111	Bioprocess & Cell Culture Lab	2
+MFL	III	Modern Foreign Lang	3	=CHEM	4510	Biochemistry II	3
•PHRM	4130/31	Bioanalytical Chemistry	4	•PHRG	5120	Advanced Biochemistry Lab	2
*PHRM	3110	Seminar V	1	*PHRM	3120	Seminar VI	1
Total			15	Total			14

Senior Year		Fall		Spring			
Course Prefix/Number		Course Title	Credit	Course Prefix/Number		Course Title	Credit
•PHRM	4120	Assay Design	4	+ENG	1250	Elements of Speech (SI)	3
•BRIT	4010	Lab Module I	6	•BRIT	4020	Lab Module II	6
#BIOL	4620	Bioethics	3			Elective	3
+HEDU	1531	Health	2	+HIST	1320	World Societies	3
Total			15	Total			15

TOTAL MINIMUM CREDIT HOURS: 124

Distribution of Hours

+ General Education courses – 24, · Core curriculum courses (Pharmaceutical Sciences) – 33,
 = Other required courses (Science & Math) – 55, ✕ Elective – 3, # Bioethics will satisfy the GEC Humanities II requirement – 3

* The 6 (credits) PHRM Seminars satisfy 1 Social Science requirement:

Seminar I: Overview of the Drug Industry, credit hours: 1

Seminar II: FDA Regulations, credit hours: 1

Seminar III: Good Manufacturing Practice I, credit hours: 1

Seminar IV: Good Manufacturing Practice II, credit hours: 1

Seminar V: Intellectual Property & Patent Law, credit hours: 1

Seminar VI: Teamwork Dynamics, credit hours: 1