

B.S. Pharmaceutical Chemistry Degree

A Four Year Outline

FALL			SPRING		
FIRST YEAR					
CH1150 University Chemistry I	AND	3	CH1160 University Chemistry II	AND	3
CH1151 University Chemistry Lab I	AND	1	CH1161 University Chemistry Lab II	AND	1
CH1153 University Chemistry I Recitation		1	CH1163 University Chemistry II Recitation		1
	OR			OR	
CH1112 University Chem-Studio Lab I		5	CH1122 University Chem-Studio Lab II		5
CH1130 Orientation		1	MA2160 Calculus II		4
PH1100 Physics by Inquiry I		1	PH1200 Physics by Inquiry II		1
MA1160 Calculus I		4	PH2100 University Physics I-Mechanics		3
UN1001 Perspectives on Inquiry		3	UN1002 World Cultures		4
TOTAL		14	TOTAL		17
SECOND YEAR					
CH2410 Organic Chemistry I		3	CH2420 Organic Chemistry II		3
CH2411 Organic Chemistry Lab I		1	CH2421 Organic Chemistry Lab II		2
BL1040 Principles of Biology		4	CS1121 Intro Computer Science I		3
PH2200 University Physics II – E&M		3	MA3160 Multivariable Calculus		4
UN2002 Institutions		3	MA2320 Elementary Linear Algebra		2
General Education Distribution		3	UN2001 Revisions		3
TOTAL		17	TOTAL		17
THIRD YEAR					
CH3510 Physical Chemistry I		3	CH3520 Physical Chemistry II		3
CH3511 Physical Chemistry Lab I		2	CH3521 Physical Chemistry Lab II		2
CH4710 Biomolecular Chemistry I		3	CH4110 Pharmaceutical Chemistry I		3
CH4222 Intro Quant & Instrumental Analysis		5	CH4720 Biomolecular Chemistry II		3
*Required Elective		3	CH4721 Research Methods Biomolecular Chem		3
			General Education Distribution		3
TOTAL		16	TOTAL		17
FOURTH YEAR					
CH4120 Pharmaceutical Chemistry II		3	CH4412 Spectroscopy of Organic Chemistry		3
MA2720 Statistical Methods		4	CH4910 Senior Seminar II		1
Free Electives		3	BL4860 Toxicology		3
General Education Distribution		6	General Education Distribution		3
			Free Electives		4
TOTAL		16	TOTAL		14
GRAND TOTAL = 128 Credits					

* Required Elective must be chosen from the specified list. If CH4990 (undergraduate research) is chosen, it must be taken for two semesters for a minimum of 6 credits.

NOTE: 3 Units of co-curricular activities are required (P.E. courses are taught in 0.5 unit classes. Thus, 6 of these are needed for 3 units). It is highly recommended that students take at least one P.E. class during each semester of their first year, if possible.