

Bachelor of Science in Clinical Research

Pre-Pharmacy Curriculum Map

Semester 1			HRS	Semester 2			HRS
General Chemistry I	CHEM 111	4		General Chemistry II	CHEM 113	4	
Basic Biology	BIOL 111	4		Anatomy & Physiology	BIOL 221	4	
Academic Writing	ENGL 101	3		Calculus	MATH 122	4	
Intro to Christianity	CHRS 125	3		Academic Writing & Lit.	ENGL 102	3	
Lifetime Wellness	PE 185	2		Intro Art/Music/Thea	A/M/T 131	3	
Pre-Professional Sem.	CPHS 100	<u>1</u>		CU Connections	CUC 100	<u>0.5</u>	
		17				18.5	
Semester 3			HRS	Semester 4			HRS
Organic Chemistry I	CHEM 227	4		Organic Chemistry II	CHEM 228	4	
Microbiology	BIOL 334	4		^Biology Elective	BIOL ____	3/4	
*General Physics I	PHYS 221	4		Western Civ. I or II	HIST 1XX	3	
Foreign Language	LANG 201	3		Humanities Elective	(see listing)	3	
CU Connections	CUC 200	<u>0.5</u>		Social Science Elective	(see listing)	<u>3</u>	
		15.5				16 - 17	
Semester 5			HRS	Semester 6			HRS
Biochemistry	PHSC 323	3		Intro. to Pharmacology	CLNR 328	4	
Biochemistry Lab	PHSC 325/L	1		Reg Affairs I	CLNR 330	2	
Medical Terminology	CLNR 341	1		Man./Mon. Clin. Trials I	CLNR 365	2	
New Product Dev.	CLNR 363	2		Interpersonal Skills	CLNR 442	2	
Princ. Of CLNR	CLNR 364	2		Phys. & Clin. Assess	CLNR 379	2	
Intro to Biostatistics	CLNR 324	3		Sci. & Tech. Writing	CLNR 451	2	
Sci. Lit. Seminar	CLNR 338	<u>2</u>		Literature I or II	ENGL 20_	<u>3</u>	
		14				17	
Semester 7			HRS	Semester 8			HRS
Man/Mon Clin. Trials II	CLNR 465	2		+Senior Internship	CLNR 420	12	
Reg. Affairs II	CLNR 440	2		Senior Seminar	CLNR 416	<u>3</u>	
Data Management	CLNR 450	3				15	
Med. Ethics/Clin Res	CLNR 425	2					
Hum/Social Elective	(see listing)	<u>3</u>					
		12					
TOTAL Hours= 125 - 126							

03.26.20 MH

^ BIOLOGY ELECTIVES MUST BE BIO-MEDICAL ELECTIVES. (EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, ADVANCED PHYSIOLOGY, BIOMEDICAL ETHICS, DEVELOPMENTAL ANATOMY, CELLULAR & MOLECULAR BIOLOGY (PRE-REQUISITE FOR MICROBIOLOGY & IMMUNOLOGY (PRE-REQUISITE FOR MEDICAL MICROBIOLOGY), CYTOLOGY/HISTOLOGY, BIOINFORMATICS, GENETICS, IMMUNOLOGY, ADVANCED CELL & MOLECULAR BIOLOGY, AND BIOCHEMISTRY).

*PHYSICS REQUIRED FOR PHARMACY, NOT CLINICAL RESEARCH.

HUMANITIES ELECTIVES: CHRS: 202, 212, 224, 236, 251, 322 OR HIGHER; PHIL 121; ENGL 201 – 206; HIST 1XX – 4XX; LANG 221, 222, 241, 242

SOCIAL SCIENCE ELECTIVES: CRIM, ECON, GEOG, POLS, PSYC, SOCI, COMM 240

* STUDENTS ARE REQUIRED TO SUBMIT AND PASS A CRIMINAL BACKGROUND CHECK AND DRUG SCREEN PRIOR TO THE START OF INTERNSHIP