

Associates of Science Medical Sciences Pre-Professional to Bachelor of Science Chemistry

HCCC NJCU

Medical Sciences Pre-Professional - AS Chemistry - BS

COURSE NUMBER	COURSE NAME	CRI	EDITS	COURSE NUMBER	COURSE NAME	CREDIT
Complete the followin	g Courses for Gen Ed Requirements:					
CSS100	College Student Success	1	=	INTD101	Orientation to College	1
ENG101	College Composition I	3	=	ENGL101	English Composition I	3
ENG102	College Composition II	3	=	ENGL102	English Composition II	3
ENG112	Speech	3	=	ENGL147	Effective Speaking	3
MAT 110	Precalculus	4	=	MATH175	Precalculus	4
CSC100	Intro to Computers and Computing	3	=	CS107	Computers & Information Systems	3
BIO111	Anatomy and Physiology I	4	=	BIOL236	Anatomy and Physiology I	4
PSY101	Introduction to Psychology	3	=	PSYC110	Introduction to Psychology	3
1 Humanities Elective	TBD	3	=	TBD	introduction to Toyonology	3
1 Diversity Elective	TBD	3	=	TBD		3
1 Humanities or						
Social Science Elective	TBD	3	=	TBD		3
•	g Courses for Major Requirements:					
BIO211	Anatomy and Physiology II	4	=	BIOL237	Anatomy and Physiology II	4
BIO115	Principles of Biology I	4	=	BIOL130	Principles of Biology I	4
HLT210	Medical Law and Ethics	3	=	HLTH2XX	Health Sciences Elective Credits	3
BIO116	Principles of Biology II	4	=	BIOL131	Principles of Biology II	4
Complete 1 of the follo	owing Courses:					
BIO250	Microbiology	4	=	BIOL303	Microbiology	4
PHY113	Physics I	4	=	PHYS130+1131	College Physics I + Lab	4
Complete 1 Group of C	Courses for Electives:					
* Pre-Medicine/Phara	macy *					
CHP111	College Chemistry I	4	=	CHEM105	General Chemistry I Lecture	4
				CHEM1105	Recitation/Labratory	
CHP211	College Chemistry II	4	=	CHEM 106	General Chemistry II Lecture	4
	or			CHEM1106	Recitation/Labratóry	
Pre-Physical Therapy	/Pre-Athletic Trainer					
EXS101	Intro to Exercise Science	2	=	FES207	Introduction to Exercise Science	2
HLT111	Introduction to Healthcare	2	=	HLTH1XX	Health Sciences Elective Credits	2
EXS203	Exercise Measurement and Prescript	4	=	FES325	Exercise Testing and Prescription	4
	or					
Pre-Health Sciences						
MDA106	Medical Terminology	3	=	HLTH1XX	Health Sciences Elective Credits	3
HLT112	Pathophysiology	3	=	BIOL311	Pathophysiology	3
HLT111	Introduction to Healthcare	2	=	HLTH1XX	Health Sciences Elective Credits	2

Note:

* Recommended

Total Credits 60

General Education Waived

Remaining NJCU Courses

COURSE NUMBER	OURSE NUMBER COURSE NAME			
Required Core Courses:		41-49		
CHEM105 *	General Chemistry I Lecture	0-4 *		
CHEM1105 *	Recitation/Labratory			
CHEM106 *	General Chemistry II Lecture	0-4 *		
CHEM1106 *	Recitation/Labratory			
CHEM205 **	Analytical Chemistry Lecture	3 **		
CHEM2205 **	Analytical Chemistry Lab	2 **		
CHEM316 ***	Instrumental Analysis I	3 ***		
CHEM3316	Instrumental Methods of Analysis, Laboratory	2		
CHEM305 **	Physical Chemistry I Lecture	3 **		
CHEM306 ***	Physical Chemistry II Lecture	3 ***		
CHEM3306 ***	Physical Chemistry II Lab and Recitation	2 ***		
CHEM307	CHEM307 Biochemistry I			
CHEM405 ** Seminar		1 **		
CHEM416 ***	Inorganic Chemistry	3 ***		
INTD180	Computer Tools for Science and Math	3		
MATH 192	Calculus and Analytic Geometry I	4		
MATH 193	Calculus and Analytic Geometry II	4		
PHYS131	Physics II	3		
PHYS1131	Physics II Labratory and Recitation	1		
OR				
PHYS 141	Physics II	3		
PHYS1141	Physics II Recitation and Labratory	1		
Select a Minimum of 2 additional CHEM electives: 6-8				
CHEM 220	220 Environmental Chemistry			
CHEM308	Biochemistry II	4		
CHEM430	EM430 Spectroscopic Identification of Organic Compounds			
CHEM401	Medicinal Chemistry	3		
CHEM420	Food Chemistry	4		
CHEM412	Inorganic Chemistry Laboratory	2		

Free Elective Courses 3-13

Notes:

st This course \underline{may} be a part of the transfer if taken at HCCC

^{* *} Fall Only

^{***} Spring Only