



Pre-Medicine/Pharmacy

Pre-Physical Therapy/Pre-Athletic Trainer

Pre-Health Sciences

Remaining NJCU Courses

COURSE NUMBER	COURSE NAME	CREDITS	COURSE NUMBER	COURSE NAME	CREDITS
Required Core Courses:			Select a Minimum of 3 credits in CHEM electives:		
45-52			3+		
CHEM105 *	General Chemistry II Lab	0-4 *	CHEM 220	Environmental Chemistry	4
CHEM1105 *	Research/Lab		CHEM 306 ***	Physical Chemistry II, Lab	3 ***
CHEM106 *	General Chemistry II Lab	0-4 *	CHEM 308	Biochemistry II	4
CHEM1106 *	Research/Lab		CHEM 3306 ***	Physical Chemistry II Research/Lab	2 ***
CHEM 207	Organic Chemistry I	3	CHEM 430	Spectroscopy/Organic Chemistry	3
CHEM 2207	Organic Chemistry I Lab	1	CHEM 401	Macromolecules	3
CHEM 208	Organic Chemistry II	3	CHEM 412	Inorganic Chemistry Lab	2
CHEM 2208	Organic Chemistry II Lab	1	CHEM 414	Analytical Organic Chemistry	3
CHEM 205 **	Analytical Chemistry Lab	3 **	CHEM 420	Fuel Cells	4
CHEM 2205 **	Analytical Chemistry Lab	2 **	CHEM 425	Nanotechnology Materials	3
CHEM 307	Biochemistry I	4	CHEM 435 *	Materials Chemistry	3 *
CHEM 316 ***	Inorganic Analytical Lab	3 ***			
CHEM 3316 ***	Inorganic Materials Analytical Lab	2 ***			
CHEM 305 **	Physical Chemistry I	3 **			
CHEM 405 **	Seminar	1 **			
CHEM 416 ***	Inorganic Chemistry	3 ***			
INTD180	Cross-Cultural Studies - Materials	3			
MATH 192	Calculus - Analytical Geometry I	4			
MATH 193	Calculus - Analytical Geometry II	4			
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PHYS131 ***	Physics II	3 ***			
PHYS131 ***	Physics II Lab/Research	1 ***			
OR					
PHYS 141	Physics II	3			
PHYS1141	Physics II Research Lab	1			

Free Elective Courses 5-13

Notes:

* This course may be a part of the transfer if taken at HCCC

** Fall Only

*** Spring Only