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Pre-Medicine/Pharmacy

Pre-Physical Therapy/Pre-Athletic Trainer

Pre-Health Sciences

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# Remaining NJCU Courses

COURSE NUMBER	COURSE NAME	CREDITS	COURSE NUMBER	COURSE NAME	CREDITS
<b>Required Core Courses:</b>			<b>Select a Minimum of 3 credits in CHEM electives:</b>		
<b>45-52</b>			<b>3+</b>		
CHEM105 *	General Chemistry II Lab	0-4 *	CHEM 220	Environmental Chemistry	4
CHEM1105 *	Reactivity/Lab		CHEM 306 ***	Physical Chemistry II, Lab	3 ***
CHEM106 *	General Chemistry II Lab	0-4 *	CHEM 308	Biochemistry II	4
CHEM1106 *	Reactivity/Lab		CHEM 3306 ***	Physical Chemistry II, IR Spectroscopy/Lab	2 ***
CHEM 207	Organic Chemistry I	3	CHEM 430	Spectroscopy: Optical 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 Chemistry	3
CHEM 205 **	Analytical Chemistry Lab	3 **	CHEM 420	Food Chemistry	4
CHEM 2205 **	Analytical Chemistry Lab	2 **	CHEM 425	Natural Products: Molecular Biology	3
CHEM 307	Biochemistry I	4	CHEM 435 *	Mathematical Chemistry	3 *
CHEM 316 ***	Inorganic Chemistry: Applications, Lab	3 ***			
CHEM 3316 ***	Inorganic Chemistry: Materials, Applications, Lab	2 ***			
CHEM 305 **	Physical Chemistry I	3 **			
CHEM 405 **	Synthesis	1 **			
CHEM 416 ***	Inorganic Chemistry	3 ***			
INTD180	Chemistry, Technology, Society - Math	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	1 ***			
OR					
PHYS 141	Physics II	3			
PHYS1141	Physics II 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