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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 *                    | 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  | Macromolecular Chemistry           | 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 Analytical Lab          | 2 ***   |   |                                    |         |
| CHEM 305 **                   | Physical Chemistry I              | 3 **    |   |                                    |         |
| CHEM 405 **                   | Synthesis                         | 1 **    |   |                                    |         |
| CHEM 416 ***                  | Inorganic Chemistry               | 3 ***   |   |                                    |         |
| INTD180                       | Cross-Cultural Studies - 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/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