

**Bachelor of Science 2023-24**

Chemistry Major, Health Professional Emphasis

Major Codes CH09

CIP Code: 400501

Cr Hrs

|   |  |            |
|---|--|------------|
| <b>General Education CORE 42 Requirements 42*</b> |  | <b>32</b>  |
| Area 1A   | Social & Behavioral Sciences                     | 6          |
| Area 1B   | Civic Engagement                                 | 3          |
| Area 2A   | Written Communication                            | 6          |
| Area 2B   | Oral Communication                               | 3          |
| Area 3A   | Natural Science Non-Lab (CHEM 140)               |            |
| Area 3B   | Natural science With Lab (PHYS 160) <sup>†</sup> |            |
| Area 4  | Mathematics (MATH 150)                           |            |
| Area 5A   | Humanities (Mod. Lang. for 3)                    | 3          |
| Area 5B   | Fine Arts  | 3          |
| Area 5C   | Global Competencies (Mod. Lang.)                 |            |
| Area 5D   | Health and Wellness                              | 2          |
| <b>UE 100</b>                                     | <b>University Experience**</b>                   | <b>1</b>   |
| <b>Chemistry Requirements</b>                     |  | <b>36</b>  |
| CHEM 140  | General Chemistry I**                            | 3          |
| CHEM 141  | General Chemistry I Lab**                        | 2          |
| CHEM 142  | General Chemistry II                             | 5          |
| CHEM 301  | Organic Chemistry I                              | 5          |
| CHEM 302  | Organic Chemistry II                             | 5          |
| CHEM 350  | Biochemistry                                     | 3          |
| Chemistry Electives (300 level or higher)         |  | 13         |
| <b>Supporting Requirements</b>                    |  | <b>21</b>  |
| BIO 108   | Principles of Biology I**                        | 3          |
| BIO 109   | Principles of Biology I Lab***                   | 1          |
| BIO 111   | Principles of Biology II                         | 4          |
| PHYS 160  | Elementary College Physics I**                   | 4          |
| PHYS 162  | Elementary College Physics II                    | 4          |
| MATH 150  | Calculus & Analytic Geometry I**                 | 5          |
| <b>Electives***</b>                               |  | <b>30</b>  |
| <b>Total Hours</b>                                | Must include at 39 upper division (300-400) hrs  | <b>120</b> |

\*CHEM 140 and BIO 108/109 satisfy CORE 42 area 3A&B (7 hours) and math requirements satisfy CORE 42 area 4 (3 hours).

<sup>†</sup>Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*See Prerequisites

\*\*\*Suggested Electives (CHEM 201, 352, 355, 450, 497, BIO 201, 231, 301 and MATH 310)