

**NCCCS Program: A.S.**

**MHU Program: B.S., Chemistry**

|   | Fall Semester                             | SHC       | Spring Semester                             | SHC       |
|---|---|-----------|---|-----------|
| <b>NORTH CAROLINA COMMUNITY COLLEGE</b> | ACA 122 College Transfer Success          | 1         | CHM 152 General Chemistry II                | 4         |
|   | CHM 151 General Chemistry I               | 4         | ENG 112 Writing/Research in the Disciplines | 3         |
|   | ENG 111 Writing & Inquiry                 | 3         | MAT 271 Calculus I                          | 4         |
|   | MAT 172 Pre-Calculus Trigonometry         | 4         | Communications/Humanities/Fine Arts (any)   | 3         |
|   | Communications/Humanities/Fine Arts (any) | 3         | History/Social Sciences (any)               | 3         |
|   | <i>SHC for Fall, Year 1</i>               | <i>15</i> | <i>SHC for Spring, Year 1</i>               | <i>17</i> |
| <b>NORTH CAROLINA COMMUNITY COLLEGE</b> | CHM 251 Organic Chemistry I               | 4         | CHM 252 Organic Chemistry II                | 4         |
|   | MAT 272 Calculus II                       | 4         | PHY 252 General Physics II                  | 4         |
|   | PHY 251 General Physics I                 | 4         | Electives (any)                             | 6         |
|   | History/Social Sciences (any)             | 3         |   |           |
|   | <i>SHC for Fall, Year 2</i>               | <i>15</i> | <i>SHC for Spring, Year 2</i>               | <i>14</i> |

|                             | Fall Semester                                     | SHC       | Spring Semester                               | SHC       |
|-----------------------------|---|-----------|---|-----------|
| <b>MARS HILL UNIVERSITY</b> | CHM 215 Inorganic Chem or CHM 227 Analytical Chem | 4         | CHM 235 Environ Chem or CHM 438 Intro Biochem | 4         |
|                             | Electives (any)                                   | 12        | CHM 350 Research Methods in Chemistry         | 1         |
|                             |   |           | MTH 116 Elementary Probability & Statistics   | 4         |
|                             |   |           | Electives (any)                               | 8         |
|                             | <i>SHC for Fall, Year 3</i>                       | <i>16</i> | <i>SHC for Spring, Year 3</i>                 | <i>17</i> |
| <b>MARS HILL UNIVERSITY</b> | CHM 215 Inorganic Chem or CHM 227 Analytical Chem | 4         | CHM 235 Environ Chem or CHM 438 Intro Biochem | 4         |
|                             | CHM 440 Lab Research Methods in Chemistry         | 1         | CHM 442 Physical Chemistry II                 | 4         |
|                             | CHM 441 Physical Chemistry I                      | 4         | CHM 450 Senior Seminar                        | 1         |
|                             | Electives (any)                                   | 8         | Electives (any)                               | 8         |
|                             | <i>SHC for Fall, Year 4</i>                       | <i>17</i> | <i>SHC for Spring, Year 4</i>                 | <i>17</i> |

Chemistry majors are encouraged to use their elective hours to pursue a complementary minor, such as Biology or Mathematics.

Students may take NCCCS courses in any term (ACA 122, ENG 111, and ENG 112 excepted), provided they satisfy specified requirements before transfer to MHU.