

## Department of Chemistry

# Chemistry Pre-Professional Curriculum

| Fall Semester                 |                       | Spring Semester               |                          |
|-------------------------------|-----------------------|-------------------------------|--------------------------|
| Course                        | Course Name           | Course                        | Course Name              |
| CHEM-101                      | General Chemistry I   | CHEM-102                      | General Chemistry II     |
| ENGL-101                      | English Composition I | ENGL-102                      | English Comp. II         |
| xx-xxx                        | History Elective      | xx-xxx                        | Arts/Humanities Elective |
| BIOL-101                      | General Biology I     | BIOL-102                      | General Biology II       |
| CHEM-191                      | University Seminar I  | CHEM-192                      | University Seminar II    |
|                               |                       | MVSC-101                      | Fitness and Wellness     |
| <b>Total Credit Hours: 15</b> |                       | <b>Total Credit Hours: 17</b> |                          |

| Fall Semester                 |                           | Spring Semester               |                                    |
|-------------------------------|---------------------------|-------------------------------|------------------------------------|
| Course                        | Course Name               | Course                        | Course Name                        |
| CHEM-210                      | Organic Chemistry I       | CHEM-211                      | Organic Chemistry II               |
| BIOL-215                      | Cell Biology              | PSYC-201                      | Introduction to General Psychology |
| MTSC-251                      | Calculus I                | MTSC-252                      | Calculus II                        |
| SCCJ-101                      | Introduction to Sociology | BIOL-210                      | Genetics                           |
| <b>Total Credit Hours: 15</b> |                           | <b>Total Credit Hours: 15</b> |                                    |

| Fall Semester                 |  | Spring Semester               |  |
|-------------------------------|--|-------------------------------|--|
| Course                        | Course Name  | Course                        | Course Name  |
| CHEM-305                      | Analytical Chemistry   | PHYS-202                      | General Physics II   |
| PHYS-201                      | General Physics I  | <i>OR</i>                     |  |
| PHYS-211                      | Fundamentals of Physics I  | PHYS-212                      | Fundamentals of Physics II   |
| CHEM-403                      | Biochemistry   | PHIL-202                      | Ethics <i>OR</i>   |
| BIOL-3xx                      | Advanced Biology Elective ( <i>300 level or higher</i> ) <i>OR</i> | <i>OR</i>                     |  |
| GLOB-395                      | Global Societies   | BIOL-322                      | BioEthics  |
|                               |  | MTSC-241                      | Statistics   |
|                               |  | BIOL-3xx                      | Advanced Biology Elective ( <i>300 level or higher</i> ) <i>OR</i> |
|                               |  | <i>OR</i>                     |  |
|                               |  | GLOB-395                      | Global Societies   |
|                               |  | ENGL-200                      | Speech   |
| <b>Total Credit Hours: 15</b> |  | <b>Total Credit Hours: 16</b> |  |

| Fall Semester                 |                               | Spring Semester               |   |
|-------------------------------|-------------------------------|-------------------------------|---|
| Course                        | Course Name                   | Course                        | Course Name                             |
| CHEM-303                      | Physical Chemistry I          | xx-xxx                        | Elective                                |
| CHEM-407/8                    | Seminar in Chemistry          | xx-xxx                        | Elective                                |
| ENGL-xxx                      | Literature Elective           | xx-xxx                        | Elective                                |
| xx-xxx                        | Elective                      | CHEM-3xx                      | Elective ( <i>300 level or higher</i> ) |
| CHEM-405                      | *Independent Study & Research |                               |   |
| <b>Total Credit Hours: 14</b> |                               | <b>Total Credit Hours: 14</b> |   |

\*Capstone

5/31/13

**Total Credits: 121**