| First Year | BIOL 112 ___
| BIOL 140 ___
| BIOL 121 ___
| CHEM 111/121 or CHEM 120 & 115 ___
| CHEM 113/123 or CHEM 130 & 135 ___
| One of:
| PHYS 101, 106, 107, 117, 131 ___
| One of:
| MATH 100, 102, 104, 110, 120, 180, or 184 ___
| One of:
| MATH 101, 103, 105, or 121 ___
| Electives [2cr] | Communication Requirement 3cr of WRDS 150; SCIE 113; any of ENGL 100, 110, 111, 112, 120, or 121; SCIE 300 or CHEM 300; APSC 176; LFS 150; Arts One; ASTU 100, 101: ___
| 33cr |
| Second Year | BIOL 200 ___
| One of:
| BIOL 201, or 202 or 203 ___
| BIOL 233 or 234 ___
| One of:
| BIOL 203 ___
| BIOL 204 ___
| BIOL 205 ___
| BIOL 209 ___
| BIOL 210 ___
| Electives [2cr] | *CHEM 203 or 223/225 ___
| CHEM 205 or 304 ___
| CHEM 208 ___
| CHEM 211 or 210/215 ___
| CHEM 213 ___
| CHEM 245 ___
| 33cr |
| Third Year | BIOL 230 or 260 ___
| BIOL 300 ___
| BIOL 336 ___
| **BIOL Laboratory Selections
| Two from list:
| CHEM 300 ___
| CHEM 313 ___
| CHEM 319 ___
| CHEM 329 ___
| One of:
| CHEM 315 & 335 or CHEM 325 & 345 ___
| One of:
| CHEM 218, 305, 311, 327, or 330 ___
| Arts Electives [12cr] | 33cr |
| Fourth Year | CHEM and Life Science Electives:
| CHEM 4xx level or above [6cr]
| BIOL electives level 3xx and above [6cr]
| LFSC or CHEM electives [4 to 6cr] | BIOL 449 or CHEM 449 ___
| Electives [4cr] | 33cr |
| Minimum Total credits = 132cr |

* Students with CHEM 235 and a score of 76% of higher in CHEM 233 may apply for admission to this specialization and be allowed to use CHEM 233 and 235 in place of CHEM 203.

** Biology Laboratory Selections:
BIOL 341 is recommended. BIOL 306, 331, 337, 340, 341, 342, 351, 352, 363, 402, 403, 404, or 437.

*** CHEM and Life Science Electives: Chosen from 300- and 400-level BIOC, BIOL, CAPS, CHEM, MICB, or MRNE lecture courses, as well as EOSC 470, 472, 474, 475, 478, ENVR 430, GEOB 307, 407, FNH 350, 351, 451, MATH 462, MEDG 410, 419, 420, 421, and PCTH 305. At least 6 credits must be chosen from BIOL lecture courses and at least 6 credits must be chosen from 400-level CHEM lecture courses. Recommended electives include BIOC 302, 303, 402, 410, BIOL 335, 361, 436, 463, CHEM 411, 413, 435 and MICB 325, 405.

Faculty of Science Elective Requirements (May be any level if the upper-level requirement of 48 upper-level credits including at least 30 credits from the Faculty of Science is satisfied. Also, up to 18 credits of course work in a faculty other than Science or Arts may be taken for credit.)
- Arts Electives - 12 credits from the Faculty of Arts.
- Electives – May be from any faculty.