

## Life Sciences

### Program Outcomes

|   |   |   |   |  |  |
|---|---|---|---|--|--|
| Demonstrate knowledge of the major chemical and biological topics in Life Sciences. | Effectively communicate about scientific ideas, assumptions, observations and results in oral and written format. | Demonstrate critical thinking and problem-solving skills by applying scientific principles. | Use of appropriate laboratory procedures to generate and analyze quantitative and qualitative data to form conclusions. | Demonstrate the safe and proper use of scientific instrumentation, measuring devices, chemical reagents, media and tools to collect relevant and quality data. | Describe the relationship of the Life Sciences to other areas of study and be able to make informed ethical choices. |
|---|---|---|---|--|--|

### Required Courses

|         |      |     |    |     |     |     |
|---------|------|-----|----|-----|-----|-----|
|         |      |     |    |     |     |     |
| BIO 115 | I    |     | I  |     |     | I   |
| BIO 116 |      | R   | R  | I   | I   |     |
| BIO 117 | R    | R   | R  |     |     | R   |
| BIO 118 |      | R   | R  | R   | R   |     |
| BIO 131 | I,   | I   | I, |     |     | I,  |
| BIO 132 | R    | R   | R  | I,  | I,  | R   |
| BIO 133 | R, A | R   | RA |     |     | E,A |
| BIO 134 | R    | R   | R  | R   | R   | R   |
| BIO 211 |      | R   | R  |     |     | R   |
| BIO 212 |      |     |    | R   | R   |     |
| BIO 222 | R    | R   | R  |     |     | R   |
| BIO 223 |      |     |    | R   | R   |     |
| CHY 121 |      | I   | I  |     |     |     |
| CHY 122 |      |     |    | I   | I   |     |
| CHY 123 | R    | R   | R  |     |     |     |
| CHY 124 |      |     |    | R   | R   |     |
| CHY 221 | R    | R   | R  |     |     |     |
| CHY 222 |      |     |    | R   | R   |     |
| CHY 251 | R    | R,A | R  |     |     |     |
| CHY 252 |      |     |    | R,A | R,A |     |

I-Outcome introduced; R-Outcome Reinforced; E-Outcome Emphasized; A-Outcome Assessed