B.S. in Biology (Comprehensive Major)

2020 FOUR YEAR CURRICULUM GUIDE
DEPARTMENT OF Biology/Toxicology
SUGGESTED - Four Year Rotation

| Year 1 | Fall Semester |  | Year 1 | Spring Semester |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Course \# | Title | Cr. | Course \# | Title | Cr. |  |
| BIO 201 | M \& C Basis of Life (Core 2) | 4 |  | BIO 202 | Org. Adapt. And Div. (Core 4) | 4 |
| ENG 101 | Composition I (Core 1) | 3 |  | ENG 102 | English Composition II (Core 5) | 3 |
| CHEM 103 | General Chemistry (FA only) | 4 | CHEM 104 | General Chemistry (SP only) | 4 |  |
| CORE/CCI | Inst. Requirement (Core 3) or <br> Math Requirement | $3-5$ | COM 101 or <br> 120 | Communication (Core 6) or Math <br> Requirement* (Core 8) | $3-5$ |  |
|  | TOTAL | $\mathbf{1 4 - 1 6}$ |  | TOTAL | $\mathbf{1 4 - 1 6}$ |  |


| Year 2 | Fall Semester |  | Year 2 | Spring Semester |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Course \# | Title | Cr. | Course \# | Title | Cr. |
| ELECTIVE | Dept. Elective $\dagger$ (1) | 4 | ELECTIVE | Dept. Elective (2) | 4 |
| CHEM 307 | Organic Chem. I (FA only) | 4 | BIO 303 | Genetics (FA or SP) | 4 |
| MATH | Math Requirement* or Inst. <br> Requirement | $3-5$ | MATH | Math Requirement* or <br> Communication (Core 6) | $3-5$ |
| CORE | Institutional Requirement (Core <br> 7 ) | 3 | CORE | Institutional Requirement (Core 9) | 3 |
| ELECTIVE | Biology seminar elective (BIO <br> $276 ~ c a n ~ b e ~ t a k e n ~ a n y ~ S P ~ o r ~ B I O ~$ <br> $304 ~ c a n ~ b e ~ t a k e n ~ a n y ~ F A ~ a f t e r ~$ <br> freshman year) | 1 | ELECTIVE | Biology Seminar elective (can be <br> taken any semester after freshman <br> year) | 1 |
| Year 3 | FaTAL | $\mathbf{1 5 - 1 7}$ |  | TOTAL |  |
| Course \# | Title | Yemester | Course \# | Title | 15-17 |
| BIO 301 | Professional Prep (FA or SP) | 1 | ELECTIVE | Dept. Elective (5) | Cr. |
| ELECTIVE | Dept. Elective (3) | $3-4$ | ELECTIVE | Dept. Elective (6) | $3-4$ |
| ELECTIVE | Dept. Elective (4) | $3-4$ | CORE | Institutional Requirement (Core <br> $12)$ | 3 |
| CORE | Institutional Requirement (Core <br> $10)$ | 3 | CORE | Institutional Requirement (Core <br> $13)$ | 3 |
| CORE | Institutional Requirement (Core <br> $11)$ | 3 | ELECTIVE | General Elective | 3 |
|  | TOTAL | TOTAL | $\mathbf{1 5 - 1 7}$ |  |  |


| Year 4 | Fall Semester |  | Year 4 | Spring Semester |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Course \# | Title | Cr. | Course \# | Title | Cr. |
| ELECTIVE | Dept. Elective (7) | $3-4$ | BIO 495 | Senior Seminar (SP only) | 1 |
| CORE | Institutional Requirement (Core <br> $14)$ | 3 | ELECTIVE | Dept. Elective or General Elective <br> $(8)$ | $3-4$ |
| CORE | Institutional Requirement (Core <br> 15) | 3 | ELECTIVE | General Elective | 3 |
| ELECTIVE | General Elective | 3 | ELECTIVE | General Elective | 3 |
| ELECTIVE | General Elective | 3 | ELECTIVE | General Elective | 3 |
|  | TOTAL | $\mathbf{1 5 - 1 6}$ |  | TOTAL | $\mathbf{1 3 - 1 4}$ |

## (must have at least 120 credits to graduate)

$\dagger$ Biology electives to reach 60 hours; electives must come from at least three of four content areas (see catalog for details).
*Math-Two semesters required for major; Calculus and Statistics recommended.
Students planning to attend a graduate or professional school should take a full year of physics and organic chemistry, although not required for a major in biology.

