

## **B.S. Biological Sciences: Biology Education**

2023-2024 Major Map for First Time College Student

| Course and Title                            | Sem.<br>Hours | Min.<br>Grade | Course and Title                           | Sem.<br>Hours | Min.<br>Gradi |
|---|---------------|---------------|--|---------------|---------------|
|   |               |               |  |               |               |
| YEAR ONE – Semester 1                       |               |               | YEAR ONE – Semester 2                      |               |               |
| UNIV 101, Saluki Success                    | 1.0           |               | ENGL 101, English Composition I            | 3.0           | С             |
| MATH 109, Trig & Analytic Geometry          | 3.0           |               | CMST 101, Intro Oral Communication         | 3.0           |               |
| CHEM 200/201/202, Intro Chem Principles/Lab | 5.0           |               | CHEM 210/211/212, Inorganic Chem/Lab       | 5.0           |               |
| BIOL 211, Intro Cell Biology & Genetics     | 4.0           |               | BIOL 213, Intro Organism Form & Function   | 4.0           |               |
|   | 13.0          |               |  | 15.0          |               |
| YEAR TWO – Semester 1                       |               |               | YEAR TWO – Semester 2                      |               |               |
| ENGL 102, English Composition II            | 3.0           | С             | EDUC 214, Human Development/Learning       | 3.0           |               |
| PHYS 203/253A, College Physics/Lab          | 4.0           |               | PHYS 203/253B, College Physics/Lab         | 4.0           |               |
| Geology Elective <sup>1</sup>               | 4.0           |               | Life Science Elective <sup>2</sup>         | 4.0           |               |
| PSYC 102, Intro to Psychology               | 3.0           |               | UCC Fine Arts                              | 3.0           |               |
|   | 14.0          |               |  | 14.0          |               |
| YEAR THREE – Semester 1                     |               |               | YEAR THREE – Semester 2                    |               |               |
| BIOL 305, Principles of Genetics            | 3.0           |               | BIOL 304, Evolution                        | 3.0           |               |
| BIOL 306, Cell Biology                      | 3.0           |               | BIOL 307, Principles of Ecology            | 3.0           |               |
| PHYS 103, Astronomy                         | 3.0           |               | EDUC 301, Reflective Instruction Practices | 1.0           |               |
| EDUC 211, Diversity in Education            | 3.0           |               | EDUC 313, Classroom Planning & Mgmt        | 3.0           |               |
|   |               |               | UCC Humanities                             | 3.0           |               |
|   | 12.0          |               |  | 13.0          |               |
| YEAR FOUR – Semester 1                      |               |               | YEAR FOUR – Semester 2                     |               |               |
| EDUC 302, Methods of Instruction            | 1.0           |               | EDUC 303, Adv Instructional Practices      | 1.0           |               |
| EDUC 319, Language, Culture, and Learning   | 3.0           |               | EDUC 308, Teaching Exceptional Children    | 3.0           |               |
| UCC Human Health <sup>3</sup>               | 2.0           |               | Senior Seminar <sup>5</sup>                | 1.0           |               |
| EDUC 468, Science Methods Middle & Sr High  | 3.0           |               | EDUC 360, Tch Read Write Secdry Content    | 3.0           |               |
| Major Elective <sup>4</sup>                 | 3.0           |               | Statistics Elective <sup>6</sup>           | 3.0           |               |
| Major Elective <sup>4</sup>                 | 3.0           |               | PHIL 307I, Philosophy Science, Nature, Tec | 3.0           |               |
|   | 15.0          |               |  | 14.0          |               |
| YEAR FOUR – Semester 3 (Summer)             |               |               |  |               |               |
| EDUC 401A, Student Teaching                 | 12.0          |               |  |               |               |
|   | 12.0          |               |  |               |               |

**Total Hours: 122** 

Academic policies as well as degree and major-specific requirements can be found at *catalog.siu.edu*. All students are encouraged to meet with the academic advisor on a regular basis to ensure timely progress to degree.

University Core Curriculum (UCC) is satisfied with the transfer of an Associate of Art or Sciences (AA or AS) degree or the completion of the Illinois Articulation Initiative-General Education Core Curriculum (IAI-GECC) from an Illinois community college.

<sup>1</sup>Choose from GEOL 220/223, GEOL 221/224 or GEOL 222/223

<sup>3</sup>Choose from: BIOL 202, PH 101, HND 101, KIN 101 or PHSL 201/208

<sup>4</sup>Choose from any 400 level course with BIOL, MICR, PHSL, PLB or ZOOL prefix

<sup>5</sup>Choose from: BIOL 485, MICR 495, PHSL 490, PLB 480 or ZOOL 482

<sup>6</sup>Choose from: MATH 282, PLB 360 or QUAN 402

<sup>2</sup>Choose from MICR 301, PLB 300 or ZOOL 220