



**KENNESAW STATE UNIVERSITY**

**Undergraduate Program Name: Biology, BS**  
**Graduate Program Name: Teaching, MAT (Secondary Science Concentration)**

Pathway Description: Undergraduate students following the 2023 catalog revision for the B.S. in Biology may follow this path towards the Teaching MAT, Secondary Science concentration.

Course Pairs:

|  |  |
|--|--|
| Double Owl Scholars will NOT take the following [Biology, BS] courses: | In their place, Double Owl Scholars will take the following [Teaching, MAT] courses: |
| Biology Elective   | SCED 6412  |
| Biology Elective   | EDUC 6240  |
| Biology Elective   | Science Elective (graduate course with CHEM, BIOL, PHYS, SCI, or SCED prefix)        |

| Year 1 - Fall  | Credits   | Year 1 - Spring               | Credits   |
|--|-----------|-------------------------------|-----------|
| ENGL 1101 (A1)   | 3         | ENGL 1102 (A1)                | 3         |
| ECON 1000 (B1)   | 2         | MATH 1190* or higher (D1)     | 4         |
| MATH 1113* or higher (A2)                                | 3         | CHEM 1211 †                   | 3         |
| SCM 2000   | 3         | CHEM 1211L †                  | 1         |
| BIOL 1107 †  | 3         | BIOL 1108 †                   | 3         |
| BIOL 1107L †   | 1         | BIOL 1108L †                  | 1         |
| <b>TOTAL SEMESTER CREDITS</b>                            | <b>15</b> | <b>TOTAL SEMESTER CREDITS</b> | <b>15</b> |
| Year 2 - Fall  | Credits   | Year 2 - Spring               | Credits   |
| POLS 1101 (E1)   | 3         | General Education Area C2     | 3         |
| STAT 1401, 3120, 3125, IET 2227, ISYE 2600, or PSYC 3000 | 3         | PHYS 1111* (D2)               | 3         |
| BIOL 3300  | 3         | PHYS 1111L* (D2)              | 1         |
| BIOL 3300L   | 1         | CHEM 3361                     | 3         |
| CHEM 1212 †  | 3         | CHEM 3361L                    | 1         |
| CHEM 1212L †   | 1         | BIOL 3410                     | 3         |
| <b>TOTAL SEMESTER CREDITS</b>                            | <b>14</b> | <b>TOTAL SEMESTER CREDITS</b> | <b>14</b> |
| Year 3 - Fall  | Credits   | Year 3 - Spring               | Credits   |
| General Education Area E2                                | 3         | General Education Area E4     | 3         |
| BIOL 3370  | 3         | General Education Area B2     | 3         |

|   |                |                               |                |
|---|----------------|-------------------------------|----------------|
| BIOL 3370L  | 1              | Biology Elective              | 3              |
| PHYS 1112* (D2)   | 3              | Biology Elective              | 4              |
| PHYS 1112L* (D2)  | 1              | Biology Elective              | 3              |
| Biology Elective  | 3              | Free Elective (1 of 3)        | 3              |
| Biology Elective  | 3              |                               |                |
| <b>TOTAL SEMESTER CREDITS</b>   | <b>17</b>      | <b>TOTAL SEMESTER CREDITS</b> | <b>16</b>      |
| <b>Year 4 - Fall</b>  | <b>Credits</b> | <b>Year 4 - Spring</b>        | <b>Credits</b> |
| General Education Area C1   | 3              | Biology Elective              | 3              |
| General Education Area E3   | 3              | EDUC 6240                     | 3              |
| BIOL 4399   | 1              | SCED 6412                     | 3              |
| Science Elective (graduate course with CHEM, BIOL, PHYS, SCI, or SCED prefix) | 3              | Free Elective (2 of 3)        | 3              |
| Biology Elective  | 4              | Free Elective (3 of 3)        | 3              |
| <b>TOTAL SEMESTER CREDITS</b>   | <b>14</b>      | <b>TOTAL SEMESTER CREDITS</b> | <b>15</b>      |
| <b>Year 4 - Summer</b>  | <b>Credits</b> | <b>Year 5 - Fall</b>          | <b>Credits</b> |
| INED 6431   | 3              | INED 6400                     | 3              |
| ITEC 6200   | 3              | SCED 6414                     | 3              |
|   |                | EDUC 6610                     | 0              |
|   |                | SCED 6650                     | 3              |
|   |                |                               |                |
| <b>TOTAL SEMESTER CREDITS</b>   | <b>6</b>       | <b>TOTAL SEMESTER CREDITS</b> | <b>9</b>       |
| <b>Year 5 - Spring</b>  | <b>Credits</b> | <b>Year 5 - Summer</b>        | <b>Credits</b> |
| SCED 6416   | 3              | SCED 6418                     | 3              |
| SCED 6660   | 6              |                               |                |
|   |                |                               |                |
|   |                |                               |                |
| <b>TOTAL SEMESTER CREDITS</b>   | <b>9</b>       | <b>TOTAL SEMESTER CREDITS</b> | <b>3</b>       |

**PATHWAY TOTAL:**  $120 + 36 - 9 = 147$