### Biological Sciences (Licensure) (BS)

**Degree Plan (BSCL.BS)**

#### General Education Curriculum

**GEC 01. Written Communication (6 hours)**
- 01. ENG 101
- 02. ENG 102

**GEC 02. Basic Science and Mathematics (11 hours minimum)**

- **Science Requirement (8 hours minimum)**
  - 01. Select 2 courses with labs:
    - BSC 110/L*
    - BSC 111/L*
  - **Mathematics Requirement (3 hours)**
    - MAT 167** or MAT 314** (Calculus Competency)*

**GEC 03. Global History and Culture (12 hours)**

- **Social Sciences Requirement (3 hours)**
  - 01. Select 1 course:
    - ANT 101
    - GHY 101
    - SOC 101
- **Humanities Requirement (9 hours)**
  - 02. ENG 203
  - 03. Select 2 courses, 1 History required:
    - HIS 101*
    - HIS 102*

**GEC 04. Aesthetic Values (3 hours)**
- 01. Select 1 course:
  - ART 130
  - DAN 130
  - MUS 165
  - THE 100

**GEC 05. Decision-Making and Responsibility (3 hours)**
- 01. Select 1 course:
  - PSY 110*

**GEC 06. Computer Competency Requirement* (3 hours)**
- 01. Successful completion of the BTLE or IC3 certification

**GEC 07. Writing-Intensive Requirement* (Major Area) (5 hours)**
- 01. BSC 495/WI (5 hours)
  - ENG 101 & ENG 102 prerequisites

**GEC 08. Oral Communication Requirement* (3 hours)**
- 01. Select 1 course:
  - CMS 111 (SI) or CMS 305 (SI) or CMS 320 (SI) or CMS 330 (SI)

**GEC 09. Capstone Requirement* (Teacher Licensure)**
- 01. SME 489 (Capstone)
- 02. SME 490 (Capstone)
  - *Must be taken Senior Year; ENG 101 & ENG 102 prerequisites

*This particular GEC course is required for this major.

**These particular GEC courses are the available options for this major

For full description of the GEC, see page 59.

Students may be advised to complete algebra and trigonometry as prerequisites to satisfying the calculus competency requirement.

#### Program Curriculum

**DEG 01. Major Area of Study Requirements (27 hours minimum)**
- 01. BSC 201/L
- 02. BSC 226/L
- 03. BSC 370
- 04. BSC 380/L

**DEG 02. Additional Requirements (25 hours)**
- 01. CHE 106/L
- 02. CHE 107/L
- 03. CHE 255/L
- 04. CHE 256/L

**DEG 03. Teacher Licensure Requirements (27 hours)**

- Certain courses are restricted; Gold Card required. See page 334 for details.
- Students must pass the Basic Technology Literacy Exam (BTLE).
  - 01. CIS 302
  - 02. CIS 313
  - 03. REF 469
  - 04. SME 460
  - 05. SME 489 (Capstone)
  - 06. SME 490 (Capstone)
  - 07. SPE 400
  - 08. Teacher education majors are required to take Praxis II content and PLT tests and have scores reported to Southern Miss (code #1479) prior to graduation.

**DEG 04. Electives**

- 01. If not completing Second Licensure Option, choose electives as needed with adviser's approval. REF 400 or GLY 101 recommended. (See Hours to Degree below.)

**DEG 05. Second Licensure Option**

Students are not required to obtain a second licensure but are strongly advised to do so. Second licensure options require at least 21 hours.

- **Chemistry Option**
  - CHE 471/L Teaching Chemistry in the Secondary School & Lab (3/1)

- **Physics Option**
  - Choose PHY 201/L General Physics w/Calculus & Lab (4+1) and PHY 202/L General Physics w/Calculus II & Lab (4+1) under **GEC 02. 05.**
    - PHY 327/L (Electronics I & Lab) (3+1)
    - PHY 341/L (Optics & Lab) (3+1)
    - PHY 361/L (Elementary Modern Physics & Lab) (3+1)

- **General Science Option**
  - GLY 101 (3)
  - GLY 103 (3)

### Hours to Degree

124 hours are needed to graduate with a BS in Biological Sciences (Licensure). At least 50 percent of the hours applied to a degree at The University of Southern Mississippi must be earned from a senior college, and 45 of these hours must be in courses numbered 300 or above. The last 25 percent of course work must be earned from Southern Miss. The student must earn at least 12 hours in the major area of study from Southern Miss.
## BIOLOGICAL SCIENCES (LICENSURE) (BS)

### Courses by semester guide

<table>
<thead>
<tr>
<th>Freshmen 1st semester</th>
<th>HRS</th>
<th>Freshmen 2nd semester</th>
<th>HRS</th>
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<tbody>
<tr>
<td>BSC 110/L</td>
<td>4</td>
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<tr>
<td>CHE 106/L</td>
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<tr>
<td>ENG 101</td>
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<tr>
<td>CHE 255/L</td>
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