# B.S. BIOLOGY

## TEACHING BIOLOGY

Use with your Degree Progress Report (DPR).

### KU CORE REQUIREMENTS

See https://kucore.ku.edu/fulfilling-the-core for approved KU Core courses and/or experiences.

<table>
<thead>
<tr>
<th>Goal 1. Critical Thinking &amp; Quantitative Literacy</th>
<th>Outcome 1 (Can be satisfied by degree reqs.)</th>
<th>Outcome 2 (Can be satisfied by degree reqs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal 2. Communication</td>
<td>Outcome 1 ◼ ◻</td>
<td>Outcome 2 ◻</td>
</tr>
<tr>
<td>Goal 3. Breadth of Knowledge</td>
<td>Arts &amp; Humanities ◻</td>
<td>Social Sciences ◻</td>
</tr>
<tr>
<td>Goal 4. Culture &amp; Diversity</td>
<td>Outcome 1 ◻ ◻</td>
<td>Outcome 2 ◻</td>
</tr>
<tr>
<td>Goal 5. Social Responsibility &amp; Ethics</td>
<td>◻</td>
<td>◻</td>
</tr>
<tr>
<td>Goal 6. Integration &amp; Creativity</td>
<td>(Can be satisfied by degree reqs.)</td>
<td></td>
</tr>
</tbody>
</table>

### GENERAL SCIENCE REQUIREMENTS (28–31 h)

- **Biol 105** Biology Orientation Seminar (1)
- **Chem 130** Foundations of Chemistry I (5) [OR MATH 115 & 116 Calculus I & II (6)]
- **Chem 135** Foundations of Chemistry II (5) [OR MATH 121 Calculus I (5)]
- **Chem 310** Fund Organic Chemistry (3) [OR PHSX 114 & 115 College Physics I & II (8)]
- **Chem 330** Organic Chemistry I (3) [OR PHSX 211+216 & 212+236 General Physics I & II (9)]

### GENERAL BIOLOGY REQUIREMENTS (32–33 h)

- **Biol 150/151** Prin Molecular & Cell Biol (4)
- **Biol 152/153** Prin Organismal Biology (4)
- **Biol 350/360** Principles of Genetics (4)
- **Biol 412** Evolutionary Biology (4) [OR Biol 599 Senior Seminar in Biology (1) (must be taken Sr yr)]

**One (3 h) of the following two courses:**

- **Biol 413** History and Diversity of Organisms (3)
- **Biol 428** Introduction to Systematics (3)

**One (3-4 h) of the following three courses:**

- **Biol 400/401** Fundamentals of Microbiology (3-4)
- **Biol 408** Physiology of Organisms (3)
- **Biol 600** Introductory Biochemistry, Lectures (3-4)

### TEACHING BIOLOGY ELECTIVE AND LABORATORY REQUIREMENTS (7 h): BIOL courses numbered 400 or higher, including \( \geq 4 \) h of lab credit.

Courses listed above that have not been used to fulfill the above requirements may be used as electives. No more than 3 h of BIOL 423 Non-Lab Independent Study and/or BIOL 424 Independent Study (combined) can be applied towards the elective requirement, with no more than 2 h of BIOL 424 being applied towards the laboratory requirement.

**Biol _______ (__ h) ◼ **  **Biol _______ (__ lab h) ◻ **  **Biol _______ (__ lab h) ◻ **

### EDUCATION REQUIREMENTS (21 h)

- **LA&S 290** Approaches to Teaching Science and Math I (1)
- **LA&S 291** Approaches to Teaching Science and Math II (1)

**School of Education courses:**

- **C&T 360** Knowing & Learning in Math & Science (3)
- **C&T 366** Classroom Interactions in Math & Science (3)
- **C&T 448** Reading Across the Curriculum (3)

- **C&T 460** Project-based Instruction in Math & Science (3)
- **C&T 500** Student Teaching (6)
- **C&T 598** Special Topics Seminar (1)

### Notes:

- Completing the min. Gen. Science, major, and School of Education reqs. set forth above results in 87 overall h and 54 Jr/Sr h. Double majors must complete \( \geq 15 \) h in the major (i.e., not in Core/Gen Ed Req or Gen Science Req) that are unique to that major. \( 87 \ h \ ◻ \ 54 \ Jr/Sr \ h \ ◻ \)

- At least 120 h (of which 45 must be Jr/Sr h)—courses numbered 300 or above must be completed for graduation. \( 120 \ h \ ◻ \ 45 \ Jr/Sr \ h \ ◻ \)

7/29/2016