Butler University
College of Education
Teacher Licensing
Curriculum Sheets

License Requirements for students entering Program Fall 2017 and later

Butler University Major: Middle/Secondary Education
Butler University Degree: Bachelor of Science (COE); second major (LAS)*
License: BIOLOGY Teaching Content Area
Grades: 5-12
*see LAS advisor for additional requirements

SECTION A. GENERAL EDUCATION REQUIREMENTS

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>FYS</td>
<td>First-Year Seminar – Self, Community, and the World (6 credit hours) (courses must be completed with a grade of “C” or better)</td>
</tr>
<tr>
<td>GHS</td>
<td>Global and Historical Studies (6 credit hours)</td>
</tr>
<tr>
<td>ICR</td>
<td>Indianapolis Community Requirement (ED 227S, ED 228S)</td>
</tr>
<tr>
<td>BCR</td>
<td>Butler Cultural Requirement (8 events prior to graduation)</td>
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<tr>
<td>WAC</td>
<td>Writing across the Curriculum (ED434WC)</td>
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<tr>
<td>SAC</td>
<td>Speaking across the Curriculum (ED434WC)</td>
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</tbody>
</table>

**6 Areas of Inquiry:**

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>TI:</td>
<td>Text and Ideas - Humanities</td>
</tr>
<tr>
<td>PCA:</td>
<td>Perspectives in the Creative Arts – Fine Arts</td>
</tr>
<tr>
<td>SW:</td>
<td>Perspectives in the Social World – Social Sciences</td>
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</tbody>
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College of Education students are exempt from this area of inquiry

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
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<tbody>
<tr>
<td>NW:</td>
<td>The Natural World [see Content Requirements-Section B]</td>
</tr>
<tr>
<td>AR:</td>
<td>Analytical Reasoning [AR 210 or AR 212 recommended]</td>
</tr>
<tr>
<td>PWB:</td>
<td>Physical Well Being</td>
</tr>
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Contact: Teacher Licensing, College of Education – Jordan Hall 184A
4600 Sunset Avenue, Indianapolis, IN 46208 317-940-9331

Updated Fall 2017 - Subject to change pending modification by the Indiana Department of Education
SECTION B. CONTENT AREA COURSES  
(courses must be completed with a grade of “C” or better)

Biology License Requirements for Grades 5-12

**Major Field Test** – senior year – scheduled with Biology Department

**Biology major courses: (17)**
- BI 210 Genetics – Fundamentals (4)
- BI 220 Cellular and Molecular Biology – Fundamentals (4)
- BI 230 Ecology and Evolutionary Biology – Fundamentals (5)
- BI 299 Biology Seminar (1 – P/F) – Spring second year of major
- BI 480 Senior Biology Capstone (3)

**Biology electives: (20)**
5 courses with lab (4 credits each)

**Science Support Courses: (15)**
- NW COE Earth Systems Science (5)
- NW PH or AS: The Physical World (5) OR Astronomical Universe (5)
- NW CH Chemistry and Society (5)

**NOTE**: For Biology and Education **double major** in LAS and COE (130 hours required for the double major):

- CH 105 and CH 106 (10); will not take NW CH, but must still take NW COE and NW PH/AS
- FL 6 hours

C. PROFESSIONAL EDUCATION COURSES  
(courses must be completed with a grade of “C” or better)

**COE CORE I:**
- ED 112 Introduction to the Profession of Teaching (2)
- ED 245 Introduction to Computers in Education (3) *(should be taken in the same semester as ED112)*

Must Complete COE CORE I classes with a C (2.0) or better and pass CASA or other accepted benchmark indicators before moving into COE CORE II

**COE CORE II:**
- ED 299 Integrated CORE II Block (8)
- OR
- ED 241 Developmental Theory and Application in Education (3)
- ED 242 Educating Children with Special Needs (2)
- ED 244 Concepts of Education (3)

Updated Fall 2017
At the completion of COE CORE II student must apply to be admitted to Teacher Education/COE CORE III.

**COE CORE III**: (must be admitted to Teacher Education)

- **ED 227S** Introduction to Middle-Secondary Students and Schools (3)
- **ED 228S** Content Area Literacy in Middle-Secondary Curriculum (3)
- **ED 398** Multilingual Learners and Their Cultural Contexts (3)
- **ED 498** Methods for Teaching Multilingual Learners (3)
- **ED 492** Special Education Law (1)

*(can be taken during COE CORE II or COE CORE III)*

- **ED 327** Curriculum and Instructional Strategies for Middle Schools (3): Prerequisites ED 227S and ED 228S — Spring Junior year is optimal
- **ED 433** Content Area Methods for High School (4) — Fall only
  Prerequisite ED 327

Major Field Exam in Biology is taken in Fall or Spring

**COE CORE IV**: Student Teaching Courses

- **ED 434WC** Secondary Student Teaching Professional Seminar (2)
- **ED 423** Student Teaching (5) (Middle Level Student Teaching)
- **ED 425** Secondary Student Teaching (5) (High School)

**D. ELECTIVES**

**NOTE:** 126 hours are required for graduation from the University. At least 40 of the 126 hours needed for graduation must be in upper division courses – courses numbered 300 or above.

**E. TESTING REQUIREMENTS**

The Pearson CASA basic skills exam or other accepted benchmark indicator must be received 1 week prior to admission to COE CORE II classes. Information will be available through the COE website and your advisor.

A Pedagogy Exam and Indiana Core Content Tests are required for teaching licensure in the state of Indiana. The tests measure understanding of the content and methods applicable to the specific subject areas. Test preparation materials and registration are available at [http://www.in.nesinc.com/Home.aspx](http://www.in.nesinc.com/Home.aspx).

Updated Fall 2017
F. CPR/HEIMLICH/AED and SUICIDE AWARENESS/PREVENTION

Applicants who receive an ‘initial’ teacher’s license must have successfully completed training in:

1. cardiopulmonary resuscitation that includes a test demonstration on a mannequin;
2. removing a foreign body causing an obstruction in an airway, and Heimlich Maneuver;
3. AED; and
4. suicide awareness/prevention

A copy of your CPR/Heimlich/AED certification is required for original licensure.

A certificate verifying your successful completion of a suicide awareness/prevention module is required for original licensure.

Please note: If you follow this specified plan you will have met the core curriculum course requirements, the Butler University graduation course requirements, and the initial Indiana licensing course requirements.