Butler University
College of Education
Teacher Licensing
Curriculum Sheets

License Requirements for students entering Program Fall 2016 and later

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

SECTION A. GENERAL EDUCATION REQUIREMENTS

Required Courses 12 hours

FYS First-Year Seminar – Self, Community, and the World (6 credit hours)
(courses must be completed with a grade of “C” or better)

GHS Global and Historical Studies (6 credit hours)

ICR Indianapolis Community Requirement (ED 227S, ED 228S)

BCR Butler Cultural Requirement (8 events prior to graduation)

WAC Writing across the Curriculum (ED434WC)

SAC Speaking across the Curriculum (ED434WC)

6 Areas of Inquiry: 10 hours

1. TI: Text and Ideas - Humanities 3 hours
2. PCA: Perspectives in the Creative Arts – Fine Arts 3 hours
3. SW: Perspectives in the Social World – Social Sciences 0 hours
   College of Education students are exempt from this area of inquiry
4. NW: The Natural World [see Content Requirements-Section B]
5. AR: Analytical Reasoning [AR 210 or AR 212 recommended] 3 hours
6. PWB: Physical Well Being 1 hour

Contact: Teacher Licensing, College of Education – Jordan Hall 184A
4600 Sunset Avenue, Indianapolis, IN 46208  317-940-9331

Updated Fall 2016 - 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
52 hours

**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

**Major Field Test** – senior year

C. PROFESSIONAL EDUCATION COURSES
45 Hours
(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)
- ED 241  Developmental Theory and Application in Education (3)
- ED 242  Educating Children with Special Needs (2)
- ED 244  Concepts of Education (3)

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

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**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 2016
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.