Butler University
College of Education
Teacher Licensing
Curriculum Sheets

License Requirements for students entering Program Fall 2018 and later

Butler University Major: Middle/Secondary Education
Butler University Degree: Bachelor of Science (COE); second major (LAS)*
License: CHEMISTRY 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: 7 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 [see Content Requirements-Section B]
6. PWB: Physical Well Being 1 hour

B. CONTENT AREA COURSES
(courses must be completed with a grade of “C” or better)
Contact: Teacher Licensing, College of Education – Butler South Campus
4600 Sunset Avenue, Indianapolis, IN 46208 317-940-9331

Updated Fall 2018- Subject to change pending modification by the Indiana Department of Education
CHEMISTRY License Requirements for Grades 5-12
(Aligned to Chemistry Major Checklist)

54-56 hours

Required Chemistry Courses (24 hours)
CH 105 General Chemistry I and Lab (5)
CH 106 General Chemistry II and Lab (5)
OR
CH 107 Advanced Placement General Chemistry (6)

CH 351 Organic Chemistry I (5)
CH 352 Organic Chemistry II (5)
CH 494 Undergraduate Research – 2 semesters (4)

Elective Chemistry Courses (12 hours minimum)
(Must include 2 of the 4 areas)
Inorganic Chemistry:
  CH 332 Inorganic Chemistry (3)
  CH 431 Advanced Inorganic Chemistry (3)
  CH 432 Synthesis and Characterization (2)

Analytical Chemistry:
  CH 321 Analytical Chemistry I (5)
  CH 422 Analytical Chemistry II (3)

Biological Chemistry:
  CH 361 Biochem I: Bio Organic (4)
  CH 462 Biochem IIA: Central Metabolism (4)

Physical Chemistry:
  CH 471 Physical Chemistry I (3)
  CH 472 Physical Chemistry II (3)

Required Allied and Science Support Courses (18-20 hours)
MA 106 Calculus and Analytic Geometry I [meets AR Core requirement] (5)

PH 107 and PH 108 Elementary Physics (8)
OR
PH 201 and PH 202 Analytical Physics (10)

NW 260 COE Earth Systems Science (5)

NOTE: For Chemistry and Education double major in LAS and COE:
   FL  6 hours

C. PROFESSIONAL EDUCATION COURSES 45 Hours
(courses must be completed with a grade of “C” or better)

Updated Fall 2018
COE CORE I:
ED 112  Introduction to the Profession of Teaching (2)
ED 245  Introduction to Computers in Education (3) *(Must be taken in the same semester as ED112)*

OR
ED 199  Exploring Educator Identity (5)

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

Must purchase Taskstream subscription. May purchase subscription each semester or one-time 4 year subscription.

COE CORE II:
ED 299  Integrated COE II Block (8)

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

COE CORE III Program Specific: *(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)
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

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.

Updated Fall 2018
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.

edTPA for Secondary Science is required to be submitted to Pearson for national scoring during Phase I of Student Teaching.

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.