

Butler University
College of Education
Teacher Licensing
Curriculum Sheets

License Requirements for students entering Program Fall 2019 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: Curriculum Coordinator, College of Education – SCMB 229
4250 Haughey Ave., Indianapolis, IN 46208 317-940-6967

CHEMISTRY License Requirements for Grades 5-12
(Aligned to Chemistry Major Checklist)

51-57 hours

Required Chemistry Courses (21-25 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 321 Analytical Chemistry I (5)

CH 351 Organic Chemistry I (5)

CH 352 Organic Chemistry II (5)

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 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)

COE CORE I:

Updated Fall 2019

ED 199 Exploring Educator Identity (5)

**Must Complete COE CORE I classes with a C (2.0) or better and other accepted benchmark indicators before moving into COE CORE II.
Must purchase Taskstream subscription. May purchase subscription each year or one-time multi-year subscription.**

COE CORE II:

ED 299 Integrated Foundations of Teacher Education (6)

ED 242 Foundations of Special Education (2) *Required co-enrollment with ED 299.

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-only, Junior year is optimal*

***Students planning on student teaching next academic year must attend information sessions and submit specific documents to the College of Education in order to ensure proper and appropriate placement.**

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

Information will be available through the COE website and the Director of Student Personnel Services in the College of Education SCMB 105: 317-940-9331.

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.

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.