

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: **MATHEMATICS 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:

12 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 – Natural Sciences 5 hours
5. AR: Analytical Reasoning [MA 106 required for major] 0 hours
6. PWB: Physical Well Being 1 hour

SECTION B. CONTENT AREA COURSES

Contact: Curriculum Coordinator, College of Education – SCMB 229
4250 Haughey Ave., Indianapolis, IN 46208 317-940-6967

(courses must be completed with a grade of “C” or better)

MATHEMATICS License Requirements Grades 5-12

NOTE: A portfolio documenting proficiency on NCTM Content Standards is a required component of ED 433. Mathematics Education majors should be documenting progress on these standards across entire program within the e-portfolio designed in COE CORE I courses. by selecting key evidence from each mathematics course taken in the program.

Required Courses:

45 Hours

MA 106	Calculus and Analytic Geometry I (4)-if not taken for AR credit
MA 107	Calculus and Analytic Geometry II (4)
MA 108/308	First Year Problem Solving (1) Fall only for First Years <u>OR</u> MA 308 Problem Solving *required if major is declared after fall first year
CS 142	Introduction to Computer Programming (3)
MA 200	Basics of Advanced Mathematics (3)
MA 205	Discrete Mathematics I (3) Fall only
MA 208	Calculus and Analytic Geometry (3)
MA 215	Linear Algebra (3)
ED 419*	Thinking Mathematically (3) Spring
MA 312	Algebra: Groups (3) Spring only
MA 326W	Analysis: Theory of Calculus (3) Fall only
MA 313	Algebra: Rings and Fields (3) Fall only
OR	
MA 327	Analysis: Lebesgue Integration (3) Spring only Alternating
MA 330	Complex Analysis (3) Spring only
MA 351*	Geometry (3) Spring only Alternating
MA 359*	Probability and Statistics (3)

*counts as upper division electives for COE candidates double majoring in mathematics.

NOTE: For Mathematics 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:

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 w/ 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 in Senior year
Prerequisite ED 327

A portfolio documenting proficiency on NCTM Content Standards is a required component of ED 433.

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 Mathematics 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. moving 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.