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: MATHEMATICS Teaching Content Area 5-12
Grades: *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

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)

MATHEMATICS License Requirements Grades 5-12

Major Field Test – senior year

Required Courses: 46 Hours

MA 106 Calculus and Analytic Geometry I (5) - if not taken for AR credit
MA 107 Calculus and Analytic Geometry II (4)
MA 200 Basics of Advanced Mathematics (3)
CS 142 Introduction to Computer Programming (3)

MA 205 Discrete Mathematics I (3)
OR
CS 151 Foundations of Computer Science (3)

MA 208 Calculus and Analytic Geometry (3)
MA 215 Linear Algebra (3)
MA 301* History of Mathematics (3)
MA 312 Modern Algebra I (3) Spring only
MA 326 Real Analysis I (3) Fall only

MA 313 Modern Algebra II (3) Fall only
OR
MA 327 Real Analysis II (3) Spring only

MA 330 Complex Analysis (3) Spring only
MA 360* Probability (3)
MA 490 Senior Seminar (1)

Choose one additional elective from the following upper division courses (3):
MA 305 Graph Theory
Courses numbered between MA 310 and MA 399
MA 473

*count as upper division electives for mathematics majors

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 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)

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 in Senior year
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.

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.

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.