Department of Education

## Adolescent Young Adult (7-12):

Integrated Mathematics

|  | Program requirements: |
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| General <br> Education: | Satisfactory completion of all general education requirements. |
| Major: | Satisfactory completion of a B. A. in Mathematics ( 38 credits) plus coursework in <br> Computer Science for a total of 43 credits. <br> Or, satisfactory completion of a B. S. in Mathematics ( 55 credits) plus coursework in <br> related areas for a total of 63 credits. |
|  | Satisfactory completion of a minor in education ( 36 credits) as described below. Prior to <br> being admitted to the Teacher Education Program, the student must meet all of the <br> admission requirements outlined in the Undergraduate Teacher Education Handbook for |
| Education |  |
| Licensure, including demonstration of mathematical competency by earning a grade of C- |  |
| or higher in a 4-credit course that fulfills the LO \#4 Connections Curriculum requirement. |  |

## Requirements for Adolescent Young Adult Licensure:

- All courses must be passed with a grade of C - or above. See the Academic Catalog for additional requirements for admission and continuation in the program. Courses may not be offered every year. Check the department schedules for course offerings.
- Students are required to complete a capstone assessment, the edTPA, during their Student Teaching Seminar (EDUC-496) and earn a C- or higher in the course.

Required in Education ( 36 credits)
Entry-Level Courses (Taken prior to application to the Teacher Education Program)

Grade
Earned

Course \# Course Name \& Credits
EDUC-103 Sociological Perspectives in Education (4)-LO\#2 and LO\#6
or EDUC-104
EDUC-105
EDUC-120 Introduction to Students with Special Needs (2) (Concurrently with EDUC 105)
EDUC-213 Adolescent Development and Education (4)
Advanced Courses (Taken following admission to the Teacher Education Program)
EDUC-312 Reading \& Writing in the Content Areas (3)
(Spring Only)
EDUC-313 Practicum: Literacy (1)
EDUC-332 Assessment and Inclusion (4)
EDUC-347 Teaching Mathematics in Secondary Schools (3) (See Advisor for Scheduling) EDUC-387 Mathematics Practicum (1) (See Advisor for Scheduling) Student Teaching Term

Application for permission to student teach must be submitted early spring term of junior year.
Other coursework, if taken, must be scheduled for late afternoon or evenings during the term and is subject to the approval of the Director of Field Placements and Outreach.
$\qquad$ EDUC-495 Student Teaching (10)—LO\#1
EDUC-496 Student Teaching Seminar (2)
Additional Requirement for Adolescent Young Adult Licensure
$\qquad$ Successful completion of the state-required licensure examinations.

| Required in Mathematics (38 Credits) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Grade Earned | Course \# | Course Name \& Credits |  |  |
|  | MATH-201* | Calculus I (4) |  |  |
|  | MATH-202 | Calculus II (4) |  |  |
|  | MATH-210 | Introduction to Proofs (4) |  |  |
|  | MATH-221 | Foundations of Geometry (4) Fall of odd years |  |  |
|  | MATH-227 | Data Analysis (4) |  |  |
|  | MATH-261 | Linear Algebra (4) |  |  |
|  | MATH-365 | Abstract Algebra (4) |  |  |
|  | MATH-460 | Senior Seminar (2) |  |  |
|  | MATH-212 | Multivariable Calculus (4) |  |  |
| or |  |  |  |  |
|  | MATH-215 Differential Equations (4) 4 Additional Credits at the 300-Level or Above: MATH- |  |  |  |
|  |  |  |  |  |
|  | *(Prerequisite is Math 120, unless level 4 was achieved on the math placement test. Credit for Math 120 would be in addition to the 38 credits shown above.) |  |  |  |
| Required in Related Departments (5 Credits) |  |  |  |  |
| Grade Earned | Course \# | Course Name \& Credits |  |  |
|  | COMP-150 | Computer Programming I (5) |  |  |

For Licensure based on a B.S. in Mathematics (20 Additional Credits)
Complete the above listed coursework, plus the following:


8 Credit Sequence of Courses in One Department (biology, chemistry, economics, geology, physics or psychology)
Courses must be approved by the Mathematics and Computer Science Departments.

| Grade |  |
| :--- | :--- | :--- |
| Earned | Course \# Course Name \& Credits |

Any change(s) in this program of study must be approved by the Chairperson of the major department and the Director of Assessment \& Licensure, Wittenberg University.

