Adolescent Young Adult Integrated Mathematics Licensure (7-12)

Program Requirements
General Ed: Satisfactory completion of all general education requirements.
Major: Satisfactory completion of a B. A. in Mathematics (42 sem hrs) plus coursework in Computer Science for a total of 47 sem hrs, or students may complete a B. S. in Mathematics (50 sem hrs) plus coursework in related areas for a total of 67 sem hrs.
Education: Satisfactory completion of a minor in education (36 sem hrs) as described below. Prior to being admitted to the Teacher Education Program, the student must demonstrate Math competency by earning a grade of C- or higher in a 4 credit course that fulfills the general education quantitative reasoning requirement. (Course designated with a “Q”)

Requirements for AYA 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.

Electives: Additional electives, as needed, to meet graduation requirement of 130 semester hours.

Required in Education
Entry-Level Courses (Taken prior to application for teacher candidacy)

- EDUC 103S Sociological Perspectives in Education (4)
- EDUC 104R Philosophical Perspectives in Education (4)
- EDUC 105 Educational Psychology (2)
- EDUC 120 Introduction to Students with Special Needs (2) *(Taken concurrently with EDUC 105)*
- EDUC 213 Adolescent Development and Education (3)
- EDUC 214 Practicum: Middle/Secondary (1)

Advanced Courses (Taken following admission to teacher candidacy)

- EDUC 312 Reading & Writing in the Content Areas (3) *Spring Only*
- EDUC 313 Practicum: Literacy (1)
- EDUC 342 Including Students w/Special Needs Middle/Secondary (2) *Fall/Spring Even Years*
- EDUC 347 Teaching Mathematics in Secondary Schools (3) *Fall Even Years*
- EDUC 387 Practicum: Mathematics (1) *Fall Even Years*

Student Teaching
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.

- EDUC 495 Student Teaching (12)
- EDUC 496 Student Teaching Seminar (2)

Additional Requirement for Adolescent Young Adult Licensure

- Successful completion of the required licensure examinations.
**Note:** Any change(s) in this program of study must be approved by the Chairperson of the major department and the Director of Teacher Licensure, Wittenberg University.

**Required in Math** 42 semester hours

- Math 201* Calculus I (4)
- Math 202 Calculus II (4)
- Math 205 Applied Matrix Algebra (4)
- Math 210 Introduction to Proofs (4)
- Math 221 Foundations of Geometry (4) Fall of odd years
- Math 227 Data Analysis (4)
- Math 360 Linear Algebra (4)
- Math 365 Abstract Algebra (4)
- Math 460 Senior Seminar (2)
- Math 2xx 4 semester hours at 200 level or above (4)
- Math 3xx 4 semester hours at 300 level or above (4) (for B. S. candidates, this should be MATH 370)

*(Prerequisite is Math 120, unless level 4/25 was achieved on the math placement test. Credit for Math 120 would be in addition to the 42 sem credits shown above.)*

**Required in Related Departments** (5 sem hrs)

- Comp 150 Computer Programming I (5)

**For licensure based on a B. S. in Mathematics** (67 sem hrs)

Complete the above listed coursework plus the following.

- Math xxx 8 semester hours at 200 level or above
- Math 370 Real Analysis (4) (See note of B. A. 3xx requirement)
- Comp xxx 4 semester hours at 250 level or above

8 sem hr sequence in biology, chemistry, economics, geology, physics, or psychology approved by the Math and Computer Science Department.  