

Adolescent Young Adult (7-12): Integrated Mathematics

Program requirements:		
General Education:	Satisfactory completion of all general education requirements.	
Major:	Satisfactory completion of a B. A. in Mathematics (38 credits) plus coursework in Computer Science for a total of 43 credits. Or, satisfactory completion of a B. S. in Mathematics (55 credits) plus coursework in related areas for a total of 63 credits.	
Education:	Satisfactory completion of a minor in education (36 credits) as described below. Prior to being admitted to the Teacher Education Program, the student must meet all of the admission requirements outlined in the Undergraduate Teacher Education Handbook for 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	Philosophical Perspectives in Education (4)-LO	#2 and LO#10		
	EDUC-105	Educational Psychology (2)			
	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 Teach	ner 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.					
	EDUC-495 EDUC-496	Student Teaching (10)—LO#1 Student Teaching Seminar (2)			
Additional Requirement for Adolescent Young Adult Licensure					

Successful completion of the state-required licensure examinations.

or

Required in Mathematics (38 Credits)

	4 Additional Credits at the 300-Level or Above:		
	MATH-215	Differential Equations (4)	
or	-		
	MATH-212	Multivariable Calculus (4)	
	MATH-460	Senior Seminar (2)	
	MATH-365	Abstract Algebra (4)	
	MATH-261	Linear Algebra (4)	
	MATH-227	Data Analysis (4)	
	MATH-221	Foundations of Geometry (4) Fall of odd years	
	MATH-210	Introduction to Proofs (4)	
	MATH-202	Calculus II (4)	
	MATH-201*	Calculus I (4)	
Grade Earned	Course #	Course Name & Credits	

*(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 base	d on a B S in	n Mathematics	(20 Additional Credits)	١.
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Complete the above listed coursework, plus the following:

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Grade Earned	Course #	Course Name & Credits	
	MATH-212	Multivariable Calculus (4)	
or		(whichever course was not taken above)	
	MATH-215	Differential Equations (4)	
	MATH-370	Real Analysis (4) (Must be different from 3XX course taken above)	
4 Credits in COMP at the 250-Level or Above (4)			
	COMP-		
8 Credit psycholo	Sequence of Course ogy)	es in One Department (biology, chemistry, economics, geology, physics	

Courses must be approved by the Mathematics and Computer Science Departments.

Grade	Course #	Course Name & Credite		
Earned		Course Maine & Creuits		

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.