

BACHELOR OF SCIENCE IN EDUCATION DEGREE IN SECONDARY EDUCATION - MATHEMATICS

Additional Graduation Requirements (<https://catalog.una.edu/undergraduate/academic-procedures-requirements/graduation-requirements/>)

Code	Title	Hours
General Education Component: Mathematics		
Area I (Written Composition)		6
EN 111	First-Year Composition I	
EN 112	First Year Composition II	
Area II (Humanities and Fine Arts)		12
Two literature courses in sequence (EN 211/EN 212, EN 221/EN 222, EN 231/EN 232) or one literature course and one additional humanities elective		
One Humanities or Fine Arts Elective		
COM 201	Fundamentals of Speech	
Area III (Natural Sciences and Mathematics)		12
MA 125	Calculus I	
Area IV (History, Social and Behavioral Sciences)		12
ED 299	Human Growth and Development ¹	
Area V (https://www.una.edu/areav/)		
Professional Education Secondary: Mathematics (Grades 6-12)		
Note: ASBI/FBI background clearance is a prerequisite for all Professional Education Courses.		
ED 292	Preprofessional Seminar and Laboratory Experience	1
ED 381	Instructional Technology for the High School	3
ED 375	Content Literacy	3
EEX 340	Introduction to Students with Exceptional Learning Needs	3
MA 425	Methods and Materials for Teaching Secondary Mathematics	3
ED 333W	Learning Theories and Student Development	3
ED 382	Classroom Management for Diverse Learning Environments and Communities	3
ED 401	Evaluation of Teaching and Learning	3
ED 477	Curriculum and Teaching	4
ED 482	High School Student Internship	12
Alabama State Board of Education Approved Teaching Field: Mathematics		
CS 155	Computer Science I	4
MA 126	Calculus II	4
MA 227	Calculus III	4
MA 331	Linear Algebra with Proof	3
MA 355	Differential Equations	3
MA 325	Foundations of Mathematics	3
MA 345	Applied Statistics I	3

MA 421	College Geometry	3
MA 420	Combinatorics and Graph Theory	3
MA 437	Introduction to Abstract Algebra I	3
MA 451	Introduction to Analysis	3
MA 471W	Applied Mathematics	3
Select one from the following:		2
MA 295	Undergraduate Directed Research	
MA 395	Undergraduate Directed Research	
MA 495	Undergraduate Directed Research	
MA 391	Mathematics Seminar	
MA 490	Undergraduate Math Mentoring	
Total Hours		121

¹ The CLEP examination may be taken for this course

Notes:

- Candidates may take the following professional education courses prior to admission to TEP. Preprofessional Seminar and Laboratory Experience (ED 292), Content Literacy (ED 375), Instructional Technology for the High School (ED 381), Introduction to Students with Exceptional Learning Needs (EEX 340), and a content methods course.
- Courses that are taken to fulfill general education requirements which are also included in a teaching field may count in both areas.
- Candidates who plan to seek certification in another state should contact the State Department of Education in that state to find out whether or not a comparable certificate exists in that state.
- All requirements must be completed with a minimum of 120 credit hours.