

SECONDARY EDUCATION - MATHEMATICS 6-12 (BACHELOR OF SCIENCE IN EDUCATION)

Successful completion of this program includes meeting all requirements and earning a passing score on the edTPA portfolio during the internship semester. Upon completion of this program and any state-required Praxis Subject Assessments, a student will be eligible to apply for the baccalaureate level Professional Certificate which provides teacher certification for mathematics (6-12). Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (<https://catalog.jsu.edu/undergraduate/summary-degrees-requirements/>) section of the catalog.

Freshman

Fall	Hours
EH Composition sequence	3
EH 141 Speech	3
MS 125 Calculus I	4
History Sequence	3
Social/Behavioral Science	3
SSC 101 First Year Experience	0
Hours	16

Spring	Hours
EH Composition sequence	3
MS 126 Calculus II	4
MS 302 Applied Probability and Statistics	3
History Sequence	3
Social/Behavioral Science	3
Hours	16

Sophomore

Fall	Hours
Fine Arts	3
Literature Sequence	3
MS 227 Calculus III	4
MS 300 Introduction to Advanced Mathematics (WI)	3
PHS 201 College Physics I & PHS 203 and College Physics Laboratory Techniques I	4
Hours	17

Spring	Hours
Literature Sequence	3
MS 323 College Geometry	3
MS 352 Linear Algebra	3
PHS 202 College Physics II & PHS 204 and College Physics Laboratory Techniques II	4
ESE 329 Adolescent Development and Behavior	3
Hours	16

Junior

Fall	Hours
MS 309 Combinatorics	3
MS 441 Abstract Algebra I (WI)	3
ED 302 Introductory Foundations in Teacher Education (WI)	3

ESE 445	Quantitative Reasoning I	3
SPE 300	Survey of Exceptional Children and Youth	3
CS 230 or CS 231	Fundamentals of Computing or Computer Programming I	3
Hours		18
Spring		
MS 344 or MS 305	Differential Equations or Number Theory	3
ESE 304	Curriculum Planning and Learning Styles	3
ESE 306	Integrated Instructional Design	3
ESE 383	Content Literacy	3
ESE 446	Quantitative Reasoning II	3
Hours		15
Senior		
Fall		
MS 475	Seminar in Mathematics (WI)	3
ESE 420	Teaching Mathematics	3
ESE 444	Assessment	3
ESE 450	Classroom Management and Diversity in Secondary Education	3
ESE 485	Senior Practicum	3
Hours		15
Spring		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education (WI)	3
Hours		9
Total Hours		122

¹ History courses should be a sequence.