

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 Jax MIX requirements (<https://catalog.jsu.edu/undergraduate/jax-mix-requirements/>) and Alabama Transfers equivalents (<https://catalog.jsu.edu/undergraduate/alabama-transfers-equivalents/>) can be found in their respective section of the catalog.

To become eligible for the Teacher Education Program and upper division education courses, please refer to the Steps to Apply (<https://www.jsu.edu/education/acpi/application/>) or speak with the Office of Accreditation, Certification, and Partnership Initiatives, room 405 in Pod 4 of the CEPS Complex.

Freshman		Hours
Fall		
Jax MIX Communication: EH Composition sequence		3
EH 141	Speech (Jax MIX Communication)	3
MS 125	Calculus I (Jax MIX Communication)	4
Jax MIX Experience: History ¹		3
Jax MIX Experience: Social/Behavioral Science		3
SSC 101	First Year Experience	0
Hours		16
Spring		
Jax MIX Communication: EH Composition sequence		3
Jax MIX Experience: Social/Behavioral Science		3
Jax MIX Experience ¹		3
MS 126	Calculus II	4
MS 302	Applied Probability and Statistics	3
Hours		16
Sophomore		
Fall		
Jax MIX Expression: Fine Arts		3
Jax MIX Expression: Literature ¹		3
Jax MIX Inquiry: Science		4
MS 227	Calculus III	4
MS 300	Introduction to Advanced Mathematics (WI)	3
Hours		17
Spring		
Jax MIX Expression ¹		3
Jax MIX Inquiry: Science		4
MS 323	College Geometry	3
MS 352	Linear Algebra	3
ESE 329	Adolescent Development and Behavior	3
Hours		16

Junior		
Fall		
CS 230 or CS 231	Fundamentals of Computing or Computer Programming I	3
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
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 Students must take a literature sequence and at least one history or a history sequence and at least one literature. Jax MIX Expression requires a total of nine (9) hours, while Jax MIX Experience requires a total of twelve (12) hours.