

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

<b>Junior</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>18</b>
<b>Spring</b>		
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
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education (WI)	3
<b>Hours</b>		<b>9</b>
<b>Total Hours</b>		<b>122</b>

<sup>1</sup> 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.