SECONDARY EDUCATION - GENERAL SCIENCE 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 General Science (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		
Fall		**Hours**
Jax MIX Communication: EH Composition sequence		3
EH 141	Speech (Jax MIX Communication)	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I (Jax MIX Inquiry)	4
MS 113	Precalculus Trigonometry (or higher excluding MS 204 - Jax MIX Communication)	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 Expression: Fine Arts		3
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II (Jax MIX Inquiry)	4
Jax MIX Experience: Social/Behavioral Science		3
MS 204	Basic Statistics	3
	Hours	**16**
Sophomore		
Fall		
Jax MIX Expression: Literature [1]		3
Jax MIX Experience: History [1]		3
BY 260	Human Biology	4
BY 322	Genetics (WI)	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
	Hours	**18**
Spring		
Jax MIX Expression [1]		3
Jax MIX Experience [1]		3
BY 323	Microbiology	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
ESE 329	Adolescent Development and Behavior	3
	Hours	**17**
Junior		
Fall		
BY 332	Ecology	4
GY 210	Earth and Space Science	3
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	4
ED 302	Introductory Foundations in Teacher Education (WI)	3
SPE 300	Survey of Exceptional Children and Youth	3
	Hours	**17**
Spring		
BY 373	Cell Biology	4
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	4
ESE 304	Curriculum Planning and Learning Styles	3
ESE 306	Integrated Instructional Design	3
ESE 383	Content Literacy	3
	Hours	**17**
Senior		
Fall		
BY 303	Biological Conservation	3
BY 324	Introduction to Evolutionary Biology	3
BY Elective		1
ESE 423	Teaching General Science	3
ESE 444	Assessment	3
ESE 450	Classroom Management and Diversity in Secondary Education	3
ESE 485	Senior Practicum	3
	Hours	**19**
Spring		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education (WI)	3
	Hours	**9**
	Total Hours	**129**

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.