

Bachelor of Science Major in Secondary Education

Concentrations in English, Mathematics, Science, or Social Science Minimum Credit in the Major - 48 Credit Hours

The Bachelor of Science major in Secondary Education focuses on the theory and practice of learning and teaching at the secondary school level and prepares individuals to teach students in grades six through 12. The major is designed to meet teaching certification requirements for these grades, including a minimum of 30 credit hours in the teaching field and at least 15 credit hours in educational foundations courses. Student teaching is the highly recommended capstone learning experience. Four concentrations (teaching areas) are available within this major:

- English
- Mathematics
- Science
- Social Science

Upon completion of the major in Secondary Education, graduates will be able to:

- Identify the skills needed to help adolescents learn to their fullest potential.
- Prepare content specific lessons adapted to a diverse student population.
- Design active learning experiences to foster independent learning.

Secondary English Concentration Learning Outcomes

Demonstrate proficiency in:

- The English language.
- Effective writing.
- Ability to use the reading process to help students construct meaning from a wide range of selections.
- Effective methods for teaching literature, integrating language arts, and writing.

Secondary Mathematics Concentration Learning Outcomes

Demonstrates proficiency in:

- An understanding of the nature of mathematics.
- The knowledge of diverse areas in mathematics such as algebra, analysis, and applied mathematics.
- The ability to use the methods of mathematics in problem solving.
- The use of appropriate technology to solve mathematical problems.
- Understanding the nature of proofs and its relationship to mathematics.
- Explaining the importance of mathematics to a literate society.
- Recognizing the connection between mathematics and other disciplines.

Secondary Science Concentration Learning Outcomes

Ability to articulate:

- Structure and behavior of matter.
- Energy and its effects.
- Space science.
- The process of life.
- The effects of physical and biological factors on the environment.

Demonstrate proficiency in:

- Proper management of classroom and laboratory equipment.

- Process skills and application of scientific inquiry.

Secondary Social Science Concentration Learning Outcomes

Ability to articulate:

- Understanding of the various social science content areas of: geography, economics, political science, world history, American history

Demonstrate proficiency in:

- The methods of providing effective teaching.

Graduates in this major in Florida will meet the general standards for teachers established by the state of Florida. They will know and demonstrate competence in each of the 12 standards of the Educator Accomplished Practices (see B.S. Student Handbook).

NOTE: (All education courses may be taken for either three or four credits. A modified syllabus reflecting the four-credit amount of work will be provided.)

COURSES IN THE MAJOR

Foundations Courses in Education (3 - 4 credits each)

EDU 317	Psychological Foundations of Education
EDU 330	Classroom Management
EDU 331	Foundations and Practices in Teaching Reading
EDU 334	Educational Assessment
EDU 335	Effective Instructional Practices

Culminating Graduation Requirement:

As part of course work in the major, every student will complete a culminating graduation requirement (CGR). Students meet the capstone requirement for the Bachelor of Science major in Secondary Education by satisfactorily completing **one of the following:**

- Student Teaching (12 credits total) which consists of:
 EDU 496 Capstone Foundations Workshop: Student Teaching Seminar (3 credits)
 EDU 499 Capstone (CGR) Learning Experience: Student-Teaching (9 credits)

OR

- Capstone Courses (3-4 credits each, two required)
 EDU 497 Contemporary Perspectives on Classroom Organization
 EDU 498 Historical, Philosophical and Contemporary Issues in Special Education

OR

- Research Paper (Taken in a major core class – separate credit not awarded).

Courses in the Concentration

Foundational Course in the Concentration (3-4 credits)

English	Mathematics	Science	Social Science
EDU 343 Methods of Teaching Language Arts in Secondary School	EDU 337 Methods of Teaching Secondary Mathematics	EDU341 Methods of Teaching Secondary Science	EDU342 Methods of Teaching Secondary Social Science

Core Courses in the Concentration

The four-credit courses in the concentrations are general education courses. They may be taken as three-credit courses with the approval of the faculty advisor and the dean, following

appropriate adjustments to the course syllabus and provided that the student meets the Bachelor of Science program's 36 minimum credit hour requirement in general education.

English 3-4 credits	Mathematics 3-4 credits	Science 3-4 credits	Social Science 3-4 credits
ENG 321 Western World Literature	MAT 122 College Algebra or MAT 101 College Mathematics	BIO 101 Intro to Biology CHE 101 Intro to Chemistry	ECO 201 Survey of Economics GEG 101 Introduction to Geography
ENG 322 British Literature I	(both MAT 101 and 122 are 4 credit general education courses)	GEO 120 Intro to Earth Science (4 credit general education course)	HIS 103 Western Civilization: 1500-1815 (4 credit general education course)
ENG 323 British Literature II	STAT 221 Statistics (4 credit general education course) (Statistics must include Probability)	ENV 201 Environmental Science (4 credit general education course)	HIS 104 Western Civilization 1815-Present (4 credit general education course)
ENG 331 American Literature	MAT 201 Calculus I (may substitute for MAT 307 Business Calculus)	GEO 301 Earth Materials	HIS 321 American History: Federalist Period
ENG 345 The Short Story	MAT 202 Calculus II	PHS111 Intro to Astronomy (4 credit general education course)	HIS 322 American History: Reconstruction
ENG 380 Advanced English Grammar	MAT 205 Geometry	PHY 121 Intro to Physics	HIS 325 African History
ENG 391 Oral Interpretation	MAT 226 Trigonometry	SCI 322 Oceanography	HIS 342 Latin American History
ENG 424 Shakespeare and His Plays	MAT 304 Linear Algebra	PHS 301 Meteorology	POS 201 American Government (4 credit general education course)
SPE 201 Public Speaking			PSY 101 Intro to Psychology (4 credit general education course)

Concentration Elective Courses (3-4 credits)

English	Mathematics	Science	Social Science
EDU 345 Curriculum Development of Secondary English	Must complete a minimum of three additional courses from the electives to complete the major.	EDU 346 Curriculum Development of Secondary Science	EDU 347 Curriculum Development of Secondary Social Science
ESOL 321 Cross Cultural Communication	MAT 306 Discrete Mathematics	PHI 301 Philosophy of Science	SOC 101 Intro to Sociology (4 credit general education course)
	STAT 323 Regression Analysis		
	MAT 305 History of Mathematics		
	STAT 321 Advanced Statistics and Probability		
	MAT 307 Business Calculus		
	MAT 302 Differential Equations		

Additional elective learning may be accepted when appropriate to the major. Acceptable elective learning may include: prior learning that meets program criteria for acceptance; general education courses (beyond those required by the program) and courses offered through other majors, following published syllabi; and/or individually designed courses developed by the student in consultation with a faculty advisor and submitted using the learning agreement form. All additional electives must be endorsed by the faculty advisor and the dean and documented in the approved degree plan prior to registration.

Note: Upper-level prior learning examinations and certified learning credits are accepted by the state of Florida toward education major course requirements.