

BACHELOR of ARTS in SCIENCE EDUCATION
(BIOLOGY, 6-12)

Department of Teaching and Learning
Information Sheet

NOTE: All College of Education Secondary Degree Programs are Florida Department of Education (DOE) and National Council for Accreditation of Teacher Education (NCATE) approved. This State and NCATE approval represents the transferability of your teaching credentials from state-to-state.

Professional Education component courses offered in the College of Education: (3 credits each)

EDF 2005	Introduction to the Teaching Profession (Requires 15-hour field component)	EDF 3430	Ed. Meas. & Evaluation
EDF 2085	Introduction to Diversity for Educators (Requires 15-hour field component)	TSL 4324	ESOL Strategies for Content Area Teachers
EME 2040	Intro to Technology for Educators	SCE 4360	Science: Middle & Secondary School
EDF 3210	Applied Learning Theory	RED 4335	Reading in the Content Areas
		ESE 3940	Secondary School Effective Instruction (Requires 90-hour field component)

Biology content courses offered through the C.E. Schmidt College of Science:

BSC 1011/L	Biodiversity + Lab (4 cr.)	PSY 3234	Experimental Design & Statistical Inference (3 cr.)
BSC 1010/L	Biological Principles + Lab (4 cr.)		
CHM 2045/L	General Chemistry I + Lab (4 cr.)	PCB 4043	Principles of Ecology (3 cr.)
CHM 2046/L	General Chemistry II + Lab (4 cr.)		
PSC 2121	Physical Science (3 cr.)		
MAC 2233	Methods of Calculus (3 cr.)		
*(See catalog for possible prerequisite)			
OCE 3008	Oceanography (3 cr.)	OR OCB 4633	Marine Ecology (3 cr.)

Choose one: (3 credits each)

CHM 2200	Intro to Organic Chemistry
CHM 2210	Organic Chemistry I

Choose: (4 credits each)

PCB 3063	Genetics
----------	----------

Choose one: (3 – 4 credits)

MCB 3020/L	General Microbiology + Lab (4 cr.)
PCB 4023	Molecular and Cell Biology (3 cr.)

Choose one: (Permission of instructor required) (4 credits)

PCB 4723/L	Comparative Animal Physiology + Lab
BOT 4503/L	Principles of Plant Physiology + Lab

Electives: (6-7 credits) Choose from the following approved courses including at least 3 credits upper-division. Other upper-division electives may be selected with the preapproval of your advisor.

BSC 2085/L	Anatomy & Physiology I / L (4 cr.)	MCB 4603	Microbial Ecology (3 cr.)
BSC 2086/L	Anatomy & Physiology II / L (4 cr.)	OCB 4043/L	Marine Biology + Field Studies and Lab (4 cr.)
EVR 2017	Environment & Society (3 cr.)		
ZOO 2203/L	Invertebrate Zoology / L (5 cr.)	ZOO 4690/L	Comparative Vertebrate Morphogenesis (5 cr.)
ZOO 2303	Vertebrate Zoology / L (4 cr.)		
PCB 3352	Issues in Human Ecology (3 cr.)	BCH 3033	Biochemistry I (3 cr.)
BOT 3223/L	Vascular Plant Anatomy (4 cr.)	CHM 2211/L	Organic Chemistry II / L (4 cr.)
BOT 4402/L	Marine Botany (4 cr.)		

Final Semester: (6 credits)

SCE 4944	Student Teaching: Biology, 6-12 (Full-time internship, to be completed during a fall or spring term)
<p>***ALL COURSEWORK AND CERTIFICATION EXAMS (FTCE: General Knowledge, Biology 6-12 SAE, PEd) MUST BE COMPLETED PRIOR TO STUDENT TEACHING***</p> <p>Applications to Student Teach during the fall semester are due by January 31</p> <p>Applications to Student Teach during the spring semester are due by September 15</p>	

PROGRAM ADMISSION REQUIREMENTS:

- 60 semester hours completed, with a 2.5 overall Grade Point Average (GPA);
- Passing scores on all sections of the CLAST or, if exempt from the CLAST, passing scores on the General Knowledge test.