

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

Department of Curriculum and Instruction  
 Information Sheet

**NOTE:** All College of Education Secondary Degree Programs are Florida Department of Education (DOE) and Council for Accreditation of Teacher Education (CAEP) approved. This State and CAEP approval represents the transferability of your teaching credentials from state-to-state. Test scores must be submitted to Office of Academic and Student Services (OASS) prior to the placement deadline.

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

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

\*Must be programmed and taken the fall/spring semester prior to student teaching. Courses in bold are not offered in the summer.

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

<b>BSC 1011/L</b>	<b>Biodiversity + Lab</b>	<b>(4 cr.)</b>	<b>PSY 3234</b>	<b>Experimental Design &amp; Statistical Inference</b>	<b>(3 cr.)</b>
<b>BSC 1010/L</b>	<b>Biological Principles + Lab</b>	<b>(4 cr.)</b>			
<b>CHM 2045/L</b>	<b>General Chemistry I + Lab</b>	<b>(4 cr.)</b>	<b>PCB 3063</b>	<b>Genetics</b>	<b>(4 cr.)</b>
<b>CHM 2046/L</b>	<b>General Chemistry II + Lab</b>	<b>(4 cr.)</b>	<b>PCB 4043</b>	<b>Principles of Ecology</b>	<b>(3 cr.)</b>
<b>CHM 2210</b>	<b>Organic Chemistry I</b>	<b>(3 cr.)</b>			
<b>PSC 2121</b>	<b>Physical Science</b>	<b>(3 cr.)</b>			
<b>MAC 2233</b>	<b>Methods of Calculus</b>	<b>(3 cr.)</b>			
<i>*(See catalog for possible prerequisite)</i>					
<b>OCE 3008</b>	<b>Oceanography</b>	<b>(3 cr.)</b>	<b>OR OCB 4633</b>	<b>Marine Ecology</b>	<b>(3 cr.)</b>

**Choose one:** (3 – 4 credits)

<b>MCB 3020/L</b>	<b>General Microbiology + Lab</b>	<b>(4 cr.)</b>
<b>PCB 3023</b>	<b>Cell Biology</b>	<b>(3 cr.)</b>

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

<b>PCB 4723/L</b>	<b>Comparative Animal Physiology + Lab</b>	<b>(4 cr.)</b>
<b>BOT 4503/L</b>	<b>Principles of Plant Physiology + Lab</b>	<b>(4 cr.)</b>

**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.**

<b>BSC 2085/L</b>	<b>Anatomy &amp; Physiology I / L</b>	<b>(4 cr.)</b>	<b>MCB 4603</b>	<b>Microbial Ecology (Davie)</b>	<b>(3 cr.)</b>
<b>BSC 2086/L</b>	<b>Anatomy &amp; Physiology II / L</b>	<b>(4 cr.)</b>	<b>OCB 4043/L</b>	<b>Marine Biology + Field Studies and Lab</b>	<b>(4 cr.)</b>
<b>EVR 2017</b>	<b>Environment &amp; Society</b>	<b>(3 cr.)</b>			
<b>ZOO 2203/L</b>	<b>Invertebrate Zoology /L</b>	<b>(5 cr.)</b>	<b>ZOO 4690/L</b>	<b>Comparative Vertebrate Morphogenesis</b>	<b>(5 cr.)</b>
<b>PCB 3352</b>	<b>Issues in Human Ecology</b>	<b>(3 cr.)</b>			
<b>BOT 3223/L</b>	<b>Vascular Plant Anatomy</b>	<b>(4 cr.)</b>	<b>BCH 3033</b>	<b>Biochemistry I</b>	<b>(3 cr.)</b>
<b>BOT 4404/L</b>	<b>Marine Botany</b>	<b>(4 cr.)</b>	<b>CHM 2211/L</b>	<b>Organic Chemistry II / L</b>	<b>(5 cr.)</b>

**Final Semester:** (6-12 credits)

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

**PROGRAM ADMISSION REQUIREMENTS:**

60 semester hours completed, with a 2.5 overall Grade Point Average (GPA); and passing scores on the General Knowledge test

*NOTICE: Copies of this publication can be obtained in an alternate format by contacting the College of Education/Department of Curriculum and Instruction at [dcj@fau.edu](mailto:dcj@fau.edu). This publication is available in standard print, Braille, or electronically for people with disabilities. Please allow at least 10 days to process this request.*