

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

Department of Teaching and Learning
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.

Professional Education component courses offered in the College of Education:

EDF 2005	Introduction to the Teaching Profession	(3 credits)	(Requires 15-hour field component)
EDF 2085	Introduction to Diversity for Educators	(3 credits)	(Requires 15-hour field component)
EME 2040	Introduction to Technology for Educators	(3 credits)	
EDF 3210	Applied Learning Theory	(3 credits)	
EDF 3430	Ed. Measurement & Evaluation	(3 credits)	
TSL 4324	ESOL Strategies for Content Area Teachers	(3 credits)	
SCE 4360	Science: Middle & Secondary School	(3 credits)	
RED 4335	Content Read: Mid & Sec School	(3 credits)	
ESE 3940	Secondary School Effective Instruction*	(3 credits)	(Requires 90-hour field component)

*Must be programmed and taken the fall/spring semester prior to student teaching. Courses in **BOLD** are not offered in summer. *Physics content courses offered through the C.E. Schmidt College of Science: (See FAU catalog for possible prerequisites)*

*CHM 2045/L	General Chemistry I / L	(4 cr.)	*BSC 1010/L	Biological Principles	(4 cr.)
*CHM 2046/L	General Chemistry II / L	(4 cr.)	*BSC 1011/L	Biodiversity	(4 cr.)
*Choose Both	Chemistry Courses	OR	*Both	Biology Courses	
**MAC 2281	Calculus for Engineers I	(4 cr.)	**MAC 2311	Calculus w/Analytic Geometry I	(4 cr.)
**MAC* 2282	Calculus for Engineers II	(4 cr.)	**MAC 2312	Calculus w/Analytic Geometry II	(4 cr.)
*Choose Both	Courses for Engineers	OR	**Both	Calculus w/Analytic Geometry Courses	
PHY 2048/L	General Physics I / L	(5 cr.)	PHY 3323	Electromagnetism I	(4 cr.)
PHY 2049/L	General Physics II / L	(5 cr.)	MAC 2313	Calculus III	(4 cr.)
PHZ 2106	General Physics III	(4 cr.)	PHY 3101C	Survey of Modern Physics***	(4 cr.)
PHY 3722	Physical Electronics	(4 cr.)	***(prerequisite MAP 3305 Engineering Mathematics 1)		

Upper-division Physics and Mathematics Electives (approval of advisor required):

Select two: (All courses are 4 credits each)

PHY 3503	Thermodynamics I
PHY 4604	Quantum Mechanics I (corequisite: PHZ 4113)
PHY 3221	Classical Mechanics

Final Semester: (6-12 credits)

SCE 4944	Student Teaching: Science	<i>(Full-time internship, to be completed during a fall or spring term)</i>
ALL COURSEWORK AND CERTIFICATION EXAMS (FTCE: General Knowledge, Physics 6-12 SAE, PED)		
MUST BE COMPLETED PRIOR TO STUDENT TEACHING		
<i>Applications to Student Teach during the fall semester are due by January 31</i>		
<i>Applications to Student Teach during the spring semester are due by September 15</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 Teaching and Learning at deptteachlearn@fau.edu or 561-297-6595. This publication is available in standard print, Braille, or electronically for people with disabilities. Please allow at least 10 days to process this request.