

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)	<i>(Requires 15-hour field component)</i>
EDF 2085	Introduction to Diversity for Educators	(3 credits)	<i>(Requires 15-hour field component)</i>
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)	<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 summer.

Physics content courses offered through the C.E. Schmidt College of Science. (See FAU catalog for possible prerequisites)

Choose	BOTH Chemistry Courses	or	BOTH Biology Courses		
CHM 2045/L	General Chemistry I with Lab	(4 cr.)	BSC 1010/L	Biological Principles with Lab	(4cr.)
CHM 2046/L	General Chemistry II with Lab	(4 cr.)	BSC 1011/L	Biodiversity with Lab	(4cr.)
MAC 2311	Calculus w/ Analytic Geom. I	(3 cr.)	PHY 1090	First-Year Physics Seminar	(1 cr.)
MAC 2312	Calculus w/ Analytic Geom. II	(3 cr.)	PHY 2048/L	General Physics I with Lab	(5 cr.)
MAC 2313	Calculus w/ Analytic Geom. III	(3 cr.)	PHY 2049/L	General Physics II with Lab	(5 cr.)
MAP 2302	Differential Equations I	(3 cr.)	PHY 3101C	Survey of Modern Physics	(4 cr.)
MAP 3305	Engineering Mathematics I	(3 cr.)	PHY 3323	Electromagnetism I	(4 cr.)
Choose	ONE Mathematics Elective		PHY 3722C	Physical Electronics	(4 cr.)

Upper-division Physics Electives (approval of advisor required). Select ANY TWO:

PHY 3221	Classical Mechanics	(4 cr.)	PHZ 3151C	Computational Physics	(4 cr.)
PHY 4523	Statistical Physics	(4 cr.)	PHY 4604	Quantum Mechanics I	(4 cr.)

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		
Applications to Student Teach during the fall semester are due by January 31		
Applications to Student Teach during the spring semester are due by September 15		

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.