

SCIENCE EDUCATION: Physics (S4103)

Prerequisites

Education Prerequisites:

- EDF1005- Introduction to the Teaching Profession*
- EDF2085- Introduction to Diversity*
- EME2040- Introduction to Educational Technology
- EEX2000- Introduction to Special Education

Florida Department of Education Prerequisites:

- Communications- 6 credits
- Oral Communications- 3 credits
- Humanities- 6 credits
- Behavioral/Social Sciences- 6 credits
 - DEP2000 recommended
- Mathematics- 6 credits
- Natural Sciences & Electives- 16 credits
 - BSC 1005- General Education Biology – 3 credits
 - PHY2048- Physics with Calculus 1- 4 credits
 - PHY2048L- Lab- 1 credit
 - PHY2049- Physics with Calculus 2- 4 credits
 - PHY2049L- Lab- 1 credit
 - PSC1515- Energy in the Environment- 3 credits
- 9 credits of diversity
- Foreign Language requirement
- Completion of CGS1060 or an equivalent computer competency
- Fingerprinting requirement (Level II clearance)

Admission to the Baccalaureate Program

- 60 credits
- Minimum GPA of 2.5 on a 4.0 scale
- Passing/ exemption on all parts of the CLAST and passing all parts of the General Knowledge Test of the Florida Teacher Certification Examination
- All Education Prerequisites passed with a minimum grade of "C"

THIS PROGRAM WILL BE OFFERED WHEN THERE ARE ENOUGH STUDENTS TO CREATE A COHORT.

Professional Education Core- 18 credits (3 credits each)

- EDF4430- Measurement and Assessment in Education
- EDG3321- General Teaching Skills
- EDG3411- Classroom Management for Regular and Exceptional Students*
- EEX3071- Teaching Exceptional and Diverse Students in Inclusive Settings*
- RED3013- Foundations of Reading Instruction*
- TSL4324C- ESOL Strategies for Content Area Teachers*

Science Education Discipline Content- 11 credits

- EME3410- Instructional Technology in Math & Science- 2 credits
- SCE3863- Teaching and Learning the Nature of Science*- 3 credits
- SCE4362- Methods of Teaching Science*- 3 credits
- SCE4363- Advanced Topics in Science Education- 3 credits Practicum**- 3 credits

Discipline Content- 23 credits

- AST1002- Descriptive Astronomy- 3 credits
- CHM1045- General Education Chemistry- 3 credits
- MAP2302- Introduction to Differential Equations- 3 credits
- PHY3101-Modern Physics- 3 credits
- PHY3504C- Thermodynamics and Waves- 4 credits
- PHY3802L- Intermediate Physics Lab- 3 credits
- PHY4220- Classical Mechanics- 3 credits
- PHY4424- Geometrical and Physical Optics- 3 credits

Student Teaching/Internship- 12 credits

- SCE4945- Internship in Science Education***
- SCE4943- Seminar in Science Education***
 - Prior to Internship the following must be completed:
 - All parts of the Florida Teacher Certification Examination (General Knowledge Test, Professional Test, and Subject Area Test) must be passed
 - Florida Educator Accomplished Practices portfolio must be approved
 - All previous coursework completed with a minimum grade of "C"

* Course requires 15 hours of field experience

** Course requires 40 hours of field experience

***Course requires full-time field experience