

Physics BS with Physics Education Major at a Glance



Program Overview:

The (B.S.) degree in Physics with a Physics Education Major provides you with a robust foundation in physical science and problem solving skills on which you can build a variety of careers. The program prepares you for graduate study in physics, engineering, or material science. Upon completion of this program, you will be eligible for a Physics (grades 6-12) Professional Teaching Certificate and be considered a highly qualified teacher. You can choose to teach, pursue graduate school or work in the various industries requiring a strong background in Physics.

Prerequisites:

CHM 1045 General Chemistry I
CHM 1045L General Chemistry Lab I
CHM 1046 General Chemistry II
CHM 1046L General Chemistry Lab II
MAC 2311 Calculus I
MAC 2312 Calculus II
MAC 2313 Multivariable Calculus
PHY 2048 Physics with Calculus I
PHY 2048L General Physics Lab I
PHY 2049 Physics with Calculus II
PHY 2049L General Physics Lab II
PHY 1033 First-Year Physics Seminar

BSC 2010 General Biology I
BSC 2010L General Biology Lab I
SMT 2661 Step 1: Inquiry Approaches to Teaching Mathematics and Science *
SMT 2662: Step 2: Inquiry-Based Lesson Design in Mathematics and Science *

**May take SMT 2044, Combined STEP 1 & 2: Inquiry-Based Approaches and Lesson Design for Teaching in lieu of SMT 2661 and SMT 2662*

Careers/Job Opportunities:

- Physics Teacher
- Continue onto Graduate School
- Mining and Geological Engineers, Including Mining Safety Engineers
- Petroleum Engineers
- Astronomers
- Atmospheric and Space Scientists

- Geoscientists, Except Hydrologists and Geographers
- Hydrologists
- Geophysical Data Technicians

Advising Contact Information:

Secondary Education Advisors
MMC: ZEB 210 | 305-348-2978

Helpful Links:

Department Website: <http://secondaryeducation.fiu.edu>

FIUTeach Website: <http://fiuteach.fiu.edu>

CASE Advising Website: <http://caseadvising.fiu.edu>

MyMajor Website: <http://mymajor.fiu.edu>

Florida Teacher Certification Examinations Website: <http://fl.nesinc.com>

College Requirements:

- *All majors in the college must complete 45 credits of upper division prior to graduation. Upper division courses are 3000/4000 level courses, major courses and outside electives can count towards this requirement.*
- *No 1 and 2-credit physical activity courses can be counted towards the 120 credits needed for graduation.*