

Physics BA with Physics Education Major at a Glance



Program Overview:

The (B.A.) degree in Physics with Physics Education Major prepares teachers for the complex and evolving challenges of today's classroom while equipping them with the essential tools to be successful as a teacher, graduate student (in education or in their subject area) or both. Students may work with the Department's faculty members in their research labs. Some students present the results of their research at national conferences and publish them in journals. The Department's many laboratories are well equipped with state-of-the-art instrumentation.

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
- 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.*