

Physics BS at a Glance



Program Overview:

The (B.S.) degree in Physics prepares students for graduate study in physics, engineering, or material science; or for careers in research, industry, or government. Students often work with the Department's faculty members in their research labs. Many students present the results of their research at national conferences and publish them in journals. The Department's research laboratories are well equipped with state-of-the-art instrumentation.

Prerequisites:

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
MAP 2302 Differential Equations
CHM 1045 General Chemistry I
CHM 1045L General Chemistry Lab I
CHM 1046 General Chemistry II
CHM 1046L General Chemistry Lab II

Available Concentration:

Engineering Concentration
Health Physics Concentration

Careers/Job Opportunities:

- Graduate School in Physics, Astronomy, Engineering, Math, Computer Science
- Industry (Research and Development)
- Finance and Banking
- Computer Science/Tech Sector
- Research Jobs in Civilian Government, including National Labs
- High School Teachers
- Military
- National Intelligence (FBI, CIA , NSA)

Recommended Minors or Second Majors:

- Astronomy
- Mathematics
- Chemistry
- Geology
- Meteorology

Advising Contact Information:

Manuel Muñoz-Repiso & Israel Salazar
Academic Advisors
MMC: ZEB 210 | 305-348-2978

Helpful Links:

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

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

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

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.*

