

## Biological Sciences BS with Biology Education Major at a Glance



### Program Overview:

The (B.S.) degree in Biological Sciences with Biology 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  
 PHY 2048 Physics with Calculus I  
 -OR- PHY 2053 Physics without Calculus I  
 PHY 2048L General Physics Lab I  
 PHY 2049 Physics with Calculus II  
 -OR- PHY 2054 Physics without Calculus II  
 PHY 2049L General Physics Lab II  
 BSC 2010 General Biology I  
 BSC 2010L General Biology Lab I  
 BSC 2011 General Biology II  
 BSC 2011L General Biology Lab II  
 CHM 2210 Organic Chemistry I  
 CHM 2210 Organic Chemistry Lab I

CHM 2211 Organic Chemistry II  
 CHM 2211 Organic Chemistry Lab II  
 MAC 2311 Calculus I  
 MAC 2312 Calculus II  
 -OR- STA 3111 Statistics I and STA 3112  
 Statistics II

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:

- Biology Teacher
- Botanist
- Pharmaceutical Researcher
- Pharmacist
- Clinical Lab Scientist
- Microbiologist
- Biotechnology Researcher
- Genetic Counselor
- Epidemiologist
- Drug testing/Quality Control

## 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.*

