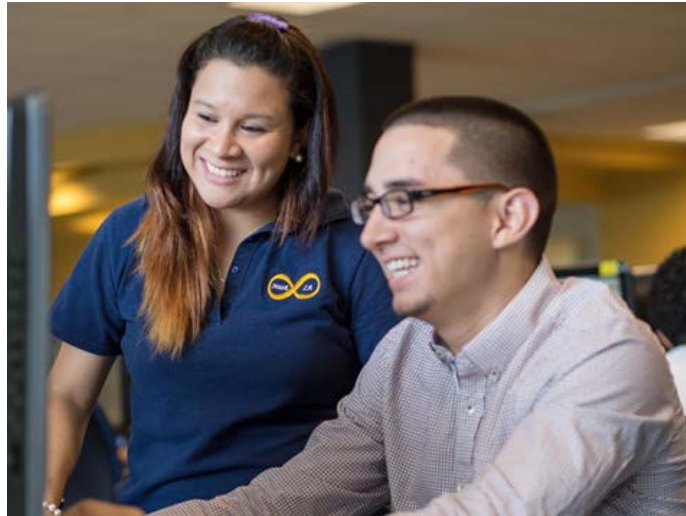


## Mathematics BA with Mathematics Education Major at a Glance



### Program Overview:

The (B.A.) degree in Mathematics with Mathematics 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. Some students present the results of their research at national conferences and publish them in journals.

### Prerequisites:

MAC 2311 Calculus I  
MAC 2312 Calculus II  
MAC 2313 Multivariable Calculus  
COP 2250 or COP 2210 or COP 2270  
MAP 2302 Differential Equations  
SMT 2661 Step 1: Inquiry Approaches to Teaching Mathematics and Science \*  
SMT 2662: Step 2: Inquiry-Based Lesson Design in Mathematics and Science \*

### Any two of the following lecture/labs:

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  
PHY 2048L General Physics Lab I  
PHY 2049 Physics with 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

*\*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:**

- Math Teacher
- Cost Estimators
- Compensation, Benefits, and Job Analysis Specialists
- Insurance Underwriters
- Operations Research Analysts
- Statisticians
- Mathematical Technicians
- Statistical Assistants
- Traffic Technicians

### **Advising Contact Information:**

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

### **Helpful Links:**

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

FIU Teach 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.*

