

Chemistry BA with Chemical Education Major at a Glance



Program Overview:

The (B.A.) degree in Chemistry with Chemical 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
 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

CHM 2210 Organic Chemistry I
 CHM 2210 Organic Chemistry Lab I
 CHM 2211 Organic Chemistry II
 CHM 2211 Organic Chemistry Lab 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:

- Chemistry Teacher
- Soil and Plant Scientists
- Materials Scientists
- Food Science Technicians
- Chemical Technicians
- Environmental Science and Protection Technicians, Including Health
- Chemical Plant and System Operators

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.*

