

Chemistry BS at a Glance



Program Overview:

The Bachelor of Science in Chemistry program is approved by the American Chemical Society. It is a very rigorous and structured program which prepares the student for graduate study or a professional career as a chemist in industry, in government service, or in secondary school teaching. Students are required to 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:

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|-----------|--------------------------|-----------|--------------------------|
| CHM 1045 | General Chemistry I | MAC 2313 | Multivariable Calculus |
| CHM 1045L | General Chemistry Lab I | Or | |
| CHM 1046 | General Chemistry II | MAP 2302 | Differential Equations |
| CHM 1046L | General Chemistry Lab II | Or | |
| CHM 2210 | Organic Chemistry I | COP 2270 | C for Engineers |
| CHM 2210L | Organic Chemistry I Lab | PHY 2048 | Physics with Calculus I |
| CHM 2211 | Organic Chemistry II | PHY 2048L | General Physics Lab I |
| CHM 2211L | Organic Chemistry II Lab | PHY 2049 | Physics with Calculus II |
| MAC 2311 | Calculus I | PHY 2049L | General Physics Lab II |
| MAC 2312 | Calculus II | | |

Careers/Job Opportunities:

- Applied Research and Product Development
- Biotechnology
- Chemical Engineering

- Chemical Information Management Specialist
- Chemical Technology
- Consulting
- Environmental Protection
- Food Chemistry
- Forensic Chemistry
- Formulation Chemistry
- Geochemistry
- Hazardous Waste Management
- Health and Safety
- High School Chemistry or Science Teacher
- Human Resources
- Materials Science
- Medicinal Chemistry
- Nuclear Chemistry
- Oil and Petroleum
- Personal Care Chemistry
- Polymer
- Process Chemistry
- Project Management
- Quality Assurance/Quality Control
- Regulatory Affairs
- Science Policy
- Technical Sales and Marketing
- Textile Chemistry
- Water Chemistry

Recommended Minors, Certificates, or Second Majors:

- Forensic Science Certificate
- Mathematics
- Physics

Advising Contact Information:

CASE STEM Advising Center
 MMC: OE 163 | 305-348-2978 | chemistry@fiu.edu

Helpful Links:

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

CASE 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.*

