Florida International University Bachelor of Science in Chemistry
Core Course Flow-Chart, 2015

General Chemistry I
CHM 1045, CHM 1045L
Recommended: Fall term, Year 1
(Prerequisite: CHM1025 or Math Placement (ALEKS) exam showing proficiency beyond College Algebra level, or MAC 1105 College Algebra)

General Chemistry II
CHM 1046, CHM 1046L
Recommended: Spring term, Year 1

Organic Chemistry I
CHM 2210, CHM2210L
Recommended: Fall term, Year 2

Organic Chemistry II
CHM 2211, CHM 2211L
Recommended: Spring term, Year 2

Analytical Chemistry
CHM 3120, CHM 3120L
Recommended: Summer term, Year 1

Physical Chemistry I
CHM 3410, CHM 3410L
Recommended: Fall term, Year 3

Physical Chemistry II
CHM 3411, CHM 3411L
Recommended: Fall term, Year 3

Advanced Organic Chemistry
CHM 4220

Structural Determination Lab
CHM 4230L *

Instrumental Analysis
CHM 4130, CHM 4130L

Biological Chemistry I
CHM 4304, CHM 4304L*

Advanced Inorganic Chemistry
CHM 4611, CHM 4611L

Undergraduate Research, CHM 4910L (3 credits)

Chemistry Elective
(3 credits)

Senior Seminar CHM 4930
Taken in the last semester

NOTES
BS Prerequisites: PHY 2048, PHY 2048L, PHY 2049, PHY 2049 MAC 2311, MAC 2312, Additional Math course
Total upper-division credits: 37

*Choose between CHM 4230L and CHM 4304L

Student Learning Outcomes
- General Knowledge
- Communication Skills
- Critical Thinking
- Discipline Specific Knowledge