Florida International University
Bachelor of Arts in Chemistry, Biochemistry Concentration
Core Course Flow-Chart, 2015

General Chemistry I
CHM 1045, CHM 1045L (4 credits)
Recommended: Fall term, Year 1
(Prerequisite: CHM1025 or Math Placement (ALEKS) exam showing proficiency beyond College Algebra level, or MAC 1105 College Algebra)

Organic Chemistry I
(5 credits)
CHM 2210, CHM2210L
Recommended: Fall term, Year 2

Bio-Organeic Chemistry CHM 4300 and Structural Determination Lab CHM 4230L
(Prerequisite: CHM 2111) (4 credits)

Or

Biological Chemistry II CHM 4307 and CHM 4307L
(Prerequisite: CHM 4304) (4 credits)

Complete one lecture course: (3 credits)
Instrumental Analysis CHM 4130, (Prereq: CHM2111, CHM3120, CHM 3410)
Advanced Organic Chemistry CHM 4220 (Prerequisite: CHM 2111)
Fund. of Inorganic Chemistry CHM 3610 (Prerequisite: CHM 2111)
Physical Chemistry II CHM 3411 (Prerequisite: CHM 3410)
Biological Chemistry II CHM 4307 (Prerequisite: CHM 4304)
Bio-Organic Chemistry CHM 4300 (Prerequisite: CHM 2111)

Senior Seminar CHM 4930 (3 credits) Taken in the last semester

General Chemistry II
CHM 1046, CHM 1046L (4 credits)
Recommended: Spring term, Year 1

Organic Chemistry II
(4 credits)
CHM 2211, CHM 2211L
Recommended: Spring term, Year 2

Analytical Chemistry
CHM 3120, CHM 3120L (4 credits)
Recommended: Summer term, Year 1

Fundamentals of Physical Chemistry
CHM 3400, CHM 3400L (4 credits)
Recommended: Fall term, Year 3

Biological Chemistry I
CHM 4304, CHM 4304L* (4 credits)
Recommended: Fall term, Year 4

Chemistry 4000- Level Elective Biomedically related (3 credits)

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

NOTES
BS Prerequisites: BSC 1010, BSC 1010L, PHY 2048/2053, PHY 2048L, PHY 2049/2054, PHY 2049 MAC 2311, MAC 2312

Total required upper-division credits: 23