Florida International University
Bachelor of Arts in Chemistry, Environmental Chemistry 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
CHM 2210, CHM2210L (5 credits)
Recommended: Fall term, Year 2

Complete one of the following environmentally-related courses and its corresponding lab if applicable: (3 credits) Prerequisites vary.
EVR3011, EVR3013/EVR3013L, EVR4211/EVR4211L, EVR4231, EVR4310, EVR4592/EVR4592L, GLY3202/GLY3202L, GLY4822, OCE3014

Instrumental Analysis CHM 4130, CHM 4130L (Prerequisite: CHM2111, CHM3120, CHM 3410) (4 credits)

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

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

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

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

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

Chemistry 4000-Level Elective
Environmentally related (3 credits)

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

NOTES
BS Prerequisites: BSC 1010, BSC 1010L, PHY 2048/2053, PHY 2048L, PHY 2049/2054, PHY 2049 MAC 2311, MAC 2312
Total upper-division credits: 26

Student Learning Outcomes

- General Knowledge
- Communication Skills
- Critical Thinking
- Discipline Specific Knowledge