



BACHELOR OF SCIENCE
Chemistry
with a Concentration in Radiochemistry



SCHOOL OF
ARTS AND SCIENCES

PROGRAM DESCRIPTION

A Bachelor of Science in Chemistry will provide all dedicated students the opportunities to develop and continue critical thinking skills, become scientifically literate, and engage in hands-on experiential learning.

CAREER OPPORTUNITIES

Myriad careers are available to students who have applied themselves to academic achievements. Graduates have become medical doctors, pharmacists, research scientists in all areas of science, educators, policy makers in environmental issues, dentists, and health care providers. Upon completion, graduates can earn a graduate degree to increase both their income and professional standing.

DEGREE CHECKLIST

FRESHMAN			
Prefix	Course No.	Course	Credits
ENG	101	College Writing I	3
CHE	110	General Chemistry I	4
CHE	111	General Chemistry I Lab	1
MAT	201	Calculus I	3
REA	101	Critical Think/Read	3
FMU	101	University 101	2
TOTAL - 1st SEMESTER			16
ENG	102	College Writing II	3
CHE	112	General Chemistry II	4
CHE	113	General Chemistry II Lab	1
MAT	202	Calculus II	3
CHE	101	Concepts. Nucl. Sci	1
COM	103	Intro To Public Speaking	3
NSC	102	Crit Think Health/ Natural Sci	2
TOTAL - 2nd SEMESTER			17

SOPHOMORE			
Prefix	Course No.	Course	Credits
PHY	200/250	College Physics I or Physics w/Calculus I	3
PHY	201/251	College Physics I Lab or Physics w/Calculus I Lab	1
CHE	210	Organic Chemistry I	3
CHE	211	Organic Chemistry I Lab	1
CHE	214	Quant Analysis	3
CHE	215	Quant Analysis Lab	1
TOTAL - 3rd SEMESTER			12
CSC		Computer Science Requirement	3
CHE	212	Organic Chemistry II	3
CHE	213	Organic Chemistry II Lab	1
PHY	202/252	College Physics II or Physics w/Calculus II	3
PHY	203/253	College Physics II Lab or Physics w/Calculus II Lab	1
REL	101	Intro To Religion	3
TOTAL - 4th SEMESTER			14

JUNIOR			
		Social Sciences Req	3
		Foreign Language Req I	3
CHE	340	Survey Phy Chem	3
CHE	341	Survey Phy Chem Lab	1
CHE	230	Intro Radiochemistry	3
CHE	231	Intro To Radiochemistry Lab I	1
		Elective	3
TOTAL - 5th SEMESTER			12
MAT	205	Prob & Stat.	3
	202	Foreign Lang Req II	3
CHE	350	Prin Rad Health	3
CHE	351	Prin Rad Health Lab	1
CHE	232	Intro Radiochemistry Lab II	2
CHE	250	Radwaste Management	3
TOTAL - 6th SEMESTER			12

SENIOR			
CHE	370	Advanced Radiochemistry	3
CHE	371	Advanced Radiochemistry Lab	1
CHE	380	Immunochemistry	3
CHE	381	Immunochemistry Lab	1
		Elective	3
		African American History Requirement	3
NSC	452	Senior Seminar	2
TOTAL - 7th SEMESTER			16
CHE	430	Biochemistry	3
CHE	431	Biochemistry Lab	1
		Elective	3
		Humanities Requirement	3
NSC	453	Senior Project	1
CHE	480	Special Topics Nuc Radio Chem	3
TOTAL - 8th SEMESTER			14

For more information please contact the School of Arts and Sciences at 305.623.1402 and SOAS@fmuniv.edu.