MONMOUTH UNIVERSITY CURRICULUM CHART

Bachelor of Science in Chemistry

MAJOR REQUIREMENTS/CHEMISTRY: 36 Credits (a)	Credits
CE-111: General Chemistry I	3.0
CE-111L: General Chemistry I Lab	1.0
CE-112: General Chemistry II	3.0
CE-112L: General Chemistry II Lab	1.0
CE-221: Quantitative Analysis	3.0
CE-221L: Quantitative Analysis Lab	2.0
CE-241: Organic Chemistry I	3.0
CE-241L: Organic Chemistry I Lab	2.0
CE-242: Organic Chemistry II	3.0
CE-242L: Organic Chemistry II Lab	2.0
CE-311: Chemical Literature	1.0
CE-322: Instrumental Analysis	3.0
CE-322L: Instrumental Analysis Lab	1.0
CE-341: Physical Chemistry I	3.0
CE-341L: Physical Chemistry I Lab	1.0
CE-410: Seminar in Chemistry	1.0
Take 3 Credits from Chemistry 400+ level	
CE-xxx: *(Except CE-499)* _____	3.0

INTERDISCIPLINARY REQUIREMENTS: 18 Credits	Credits
MA-125: Calculus with Analytic Geometry I	4.0
MA-126: Calculus with Analytic Geometry II	4.0
PH-211: General Physics and Calculus I	4.0
PH-211L: General Physics with Calculus I Lab	1.0
PH-212: General Physics with Calculus II	4.0
PH-212L: General Physics with Calculus II Lab	1.0

FREE ELECTIVES: 38 Credits	Credits
_____	38.0
_____	
_____	
_____	
_____	
_____	
_____	
_____	

(a) Students desiring certification by the ACS should enroll in the CE.ACS program and should consult with the department chair and academic advisor.

MONMOUTH UNIVERSITY CURRICULUM CHART

Bachelor of Science in Chemistry

GENERAL EDUCATION REQUIREMENTS: 36 Credits		Credits
First Year Seminar	FY-101: First Year Seminar *(Select Section "CE")	3.0
Reading and Writing	EN-101: College Composition I	3.0
	EN-102: College Composition II	3.0
Mathematics	Fulfilled in Interdisciplinary Requirements with MA-125 or MA-126	0.0
Natural Sciences	Fulfilled in Major Requirements with required CE courses	0.0
Literature	3 Credits from courses designated with Course*Type: LIT	3.0
Aesthetics and Creativity	3 Credits from Art, Music, Theatre, or Dance	3.0
Technological Literacy	IT-102: Information Technology for Scientists	3.0
Reasoned Oral Discourse	Fulfilled in the Major Requirements with CE-410	0.0
Historical Perspective	3 Credits from courses designated with Course*Type: HS.SV	3.0
Social Science	3 Credits from courses designated with Course*Type: SS.SV	3.0
Historical Perspective/Social Sciences	3 Credits from courses designated with Course*Type: HS.SV **or** 3 Credits from courses designated with Course*Type: SS.SV	3.0
Interdisciplinary Perspectives	3 Credits from courses designated with Course*Type: ISP	3.0
Cultural Diversity and Global Understanding or Foreign Language	3 Credits from courses designated with Course*Type: CD **and** 3 Credits from courses designated with Course*Type: GU **or** 6 Credits from the SAME foreign language	6.0
Experiential Education	One course designated with Course*Type: EX	0.0
Writing Intensive	Two courses from Chemistry (CE) designated with Course*Type: WT	0.0 0.0

Minimum Credits for Bachelor of Science in Chemistry = 128.0

NOTES:

*** 58 credits must be completed at the 200 level or higher.**