rican Chemical Society Approved Program)*+	
STRY: 51 Credits	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
BY-310: Biochemistry and Lab	4.0
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-342: Physical Chemistry II	3.0
	1.0
CE-401: Advanced Inorganic Chemistry	3.0
CE-401L: Advanced Inorganic Chemistry Lab	1.0
CE-410: Seminar	1.0
CE-452: Advanced Organic Chemistry	3.0
CE-xxx: (Except CE-499)	3.0
PR: 18 Credits	Credits
MA 405. Calaulus with Analytic Casassatus I	4.0
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
	Credits
	23.0
	CE-111: General Chemistry I CE-111L: General Chemistry I Lab CE-112: General Chemistry II CE-112L: General Chemistry II Lab CE-221: Quantitative Analysis CE-221L: Quantitative Analysis Lab CE-241: Organic Chemistry I CE-241L: Organic Chemistry I CE-242L: Organic Chemistry II CE-311: Chemical Literature CE-322: Instrumental Analysis CE-321: Instrumental Analysis Lab CE-341: Physical Chemistry I CE-341L: Physical Chemistry I CE-342L: Physical Chemistry II CE-342L: Physical Chemistry II CE-342L: Physical Chemistry II Lab CE-401: Advanced Inorganic Chemistry CE-401L: Advanced Inorganic Chemistry CE-401L: Advanced Organic Chemistry CE-410: Seminar CE-452: Advanced Organic Chemistry CE-xxx: (Except CE-499) CR: 18 Credits MA-126: Calculus with Analytic Geometry II PH-211: General Physics and Calculus I PH-211L: General Physics with Calculus I Lab PH-212: General Physics with Calculus II

Bachelor of Science in Chemistry and a Concentration in Advanced Chemistry (American Chemical Society Approved Program)*+ **GENERAL EDUCATION REQUIREMENTS: 36 Credits** Credits First Year Seminar FY-101: First Year Seminar *(Select Section "CE") 3.0 EN-101: College Composition I Reading and Writing 3.0 EN-102: College Composition II 3.0 Mathematics Fulfilled in Outside Major 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 Major Requirements with required 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 3 Credits from courses designated with Course*Type: HS.SV 3.0 Sciences or 3 Credits from courses designated with Course*Type: SS.SV Interdisciplinary Perspectives 3 Credits from courses designated with Course*Type: ISP 3.0 Cultural Diversity and Global 3 Credits from courses designated with Course*Type: CD 6.0 Understanding and 3 Credits from courses designated with Course*Type: GU or 6 Credits from the SAME foreign language or Foreign Language **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 and a Concentration in Advanced Chemistry (American Chemical Society Approved Program)*+ = 128.0

NOTES:

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