

Program:	Chemistry - Associate in Science (AS) Degree
Meta-major:	Science, Technology, Engineering, & Math (STEM)

Summer Bridge (if needed)	Fall Year 1	Winter Year 1	Spring Year 1	Summer Year 1	Fall Year 2	Winter Year 2	Spring Year 2	
	CHEM 060 INTRO TO CHEMISTRY <i>Prerequisite: MATH 115</i> <i>Advisories: ENGLISH 028 and ENGLISH 067 and MATH 125</i> 5 units	CHEM 101 GENERAL CHEMISTRY I <i>Prerequisite: High school Chemistry or CHEM 060 or CHEM 065, and MATH 125; Advisories: ENGLISH 028 and ENGLISH 067</i> 5 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	CHEM 102 GENERAL CHEMISTRY II <i>Also fulfills Area A: Natural Sciences requirement</i> <i>Advisories: ENGLISH 028 and ENGLISH 067, or ENGLISH 031</i> <i>Prerequisite: CHEM 101</i> 5 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	CHEM 211 ORGANIC CHEMISTRY FOR SCIENCE MAJORS <i>Prerequisite: CHEM 102</i> 5 units	To reduce units in primary terms, it is suggested to take a GE course (3 units)	CHEM 212 ORGANIC CHEMISTRY FOR SCIENCE MAJORS II <i>Prerequisite: CHEM 211</i> 5 units
MATH 240 TRIGONOMETRY <i>Prerequisite: MATH 121 and MATH 125</i> or MATH 258 GEOMETRY AND TRIGONOMETRY <i>Prerequisite: MATH 125 or MATH 134 or MATH 190 or Placement by multiple measures</i> 5 units	MATH 260 PRECALCULUS <i>Prerequisite: MATH 240 or MATH 258 or Placement by multiple measures</i> 5 units	MATH 261 CALCULUS I <i>Also fulfills Area D2: Communication and Analytical Thinking requirement</i> <i>Prerequisite: MATH 260</i> 5 units		MATH 262 CALCULUS II <i>Prerequisite: MATH 261</i> 5 units		PHYSICS 101 PHYSICS FOR ENGINEERS AND SCIENTISTS I <i>Advisory: PHYSICS 011</i> <i>Prerequisite: MATH 261</i> 5 units		PHYSICS 102 PHYSICS FOR ENGINEERS AND SCIENTISTS II <i>Corequisite: MATH 262</i> <i>Prerequisite: PHYSICS 101</i> 5 units
		Area D1: English Composition ENGLISH 101 COLLEGE READING AND COMPOSITION I <i>Prerequisite: ENGLISH 028 or ESL 008 or Placement by multiple measures; Advisory: ENGLISH 108</i> 3 units		*Areas E1: Health Education Choose any 3 units		*Area B2: Social and Behavioral Sciences Suggested: PSYCH 001 GENERAL PSYCHOLOGY I 3 units		*Choose additional course See listing of Full CSU GE or IGETC for suggestions 2 - 3 units
		*Area C: Humanities Suggested: ART 201 DRAWING I or ART 501 BEGINNING TWO-DIMENSIONAL DESIGN 3 - 5 units		*Area E2: Physical Education Activity (non-classroom) Choose any <i>Only if not satisfied in Area E1 by taking HEALTH 002</i> 1 unit		*Area B1: American Institutions Choose any 3 units		*Choose additional course if needed to reach 60 units 2 units
	Semester Units:	16 to 18		13 to 14		16		As needed to reach 60 units

*For the complete list of LACC General Education requirements, see the LACC Catalog, p.72. Area D1: English Composition (English 101) and Area D2: Communication and Analytical Thinking should be taken within the first year. All other GE courses can be taken in any semester. If appropriate, English and Math can be taken in the same semester.

Students who feel they need additional support in order to be successful in English and math should see a counselor for information about support courses, tutoring services, and boot camps.

	40 (10 units also fulfill GE requirements)
Major Units:	
General Education (GE) Units (21 unit minimum):	25 to 28
Additional Units:	2 to 5
Total Units (60 unit minimum):	60



SUGGESTED ADDITIONAL COURSES FOR FULL CSU GE OR IGETC
Area 1B: Critical Thinking/English Composition 3 units
Area 1C: Oral Communication (CSU only) 3 units
Area 3A: Arts (IGETC only) 3 Units
Area 4: Social and Behavioral Sciences <i>Suggested: Group 1 or 2 American Institutions</i> 3 units
Area 5A: Physical Science or 5B: Biological Science Choose any 3 - 5 units