

Program: Chemistry - Associate in Science (AS) Degree for UC Transfer
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> Also fulfills IGETC Areas 5A and 5C 5 units	*Area 6: Language other than English 5 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	*Area 5B: Biological Science <i>Recommended: ANTHRO 101</i> 3 units	CHEM 211 ORGANIC CHEMISTRY FOR SCIENCE MAJORS <i>Prerequisite: CHEM 102</i> 5 units	*Area 3: Arts and Humanities 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 IGETC Area 2A</i> <i>Prerequisite: MATH 260</i> 5 units		MATH 262 CALCULUS II <i>Prerequisite: MATH 261</i> 5 units	*Area 6: Language other than English (second level required) 5 units	MATH 263 CALCULUS III <i>Prerequisite: MATH 261</i> 5 units		MATH 275 ORDINARY DIFFERENTIAL EQUATIONS <i>Prerequisite: MATH 262</i> 3 units
	Area 1A: Freshman 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		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		PHYSICS 103 PHYSICS FOR ENGINEERS AND SCIENTISTS III <i>Corequisite: MATH 263</i> <i>Prerequisite: PHYSICS 102</i> 5 units	
	*Area 1B: Critical Thinking 3 units						*Area 4: Social and Behavior Science 3 units	
Semester Units:	16	5	15	8	15	3	16	
*For the complete list of General Education requirements, see the LACC Catalog. 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.						Major Units: 53 (10 units double count as GE)		
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.						General Education (GE) Units (21 unit minimum): 35		
						Total Units (60 unit minimum): 78		

