



Science, Technology, Engineering, and Mathematics Career and Academic Pathways (CAPs) Program Map: Associate of Science Degree for Chemistry Technician

Total number of units: 57-63 units

Top Code/Academic Plan:

Updated on August 6, 2021

Semester 1	Course Code	Course	Units	Notes	Advising Notes
Program/GE Course	CHEM 101	General Chemistry I	5	LACCD GE Area A. Prerequisites: Chemistry 065 & Math 125/125S/134. Prerequisites may be waived at the discretion of the Department.	Offered every semester, including summer and winter.
GE Course	ENGLISH 101	College Reading and Composition I	3	LACCD GE Area D1. Students may want to include English 072 as supplemental support as needed, which will add one unit. Students should meet with counselor	
GE Course	Any approved course from LACCD GE Area D2		3-5	LACCD GE Area D2 Math 125/125S or any other course if competency for math is met. Students should meet with counselor	

Total Units 11-13

Interession	Course Code	Course	Units	Notes	Advising Notes
GE Course	POL SCI 001	The Government of the United States	3	LACCD GE Area B1. This course is also a CSU graduation requirement for students who intend to transfer to a CSU.	

Total Units 3

Semester 2	Course Code	Course	Units	Notes	Advising Notes
Program Course	CHEM 102	General Chemistry II	5	Prerequisite: CHEM 101	Offered during fall and spring, but offerings may vary during intersessions.
GE Course	Any approved course from LACCD GE Area C		3	LACCD GE Area C ENGLISH 102 is recommended by the department, but additional course options are available.	
GE Course	Any CSU or UC transferable course		3-5		

Total Units 11-13

Interession	Course Code	Course	Units	Notes	Advising Notes
GE Course	PSYCH 001	General Psychology	3	LACCD GE Area B2	

Total Units 3

Semester 3	Course Code	Course	Units	Notes	Advising Notes
Program Course	CHEM 201	Quantitative and Instrumental Analysis	5	Prerequisite: CHEM 102	Only offered during fall and spring.
Program Course	CHEM 211	Organic Chemistry for Science Majors I	5	Prerequisite: CHEM 102	Offered during fall and spring, but offerings may vary during intersessions.
GE Course	Any CSU or UC transferable course		3-5		

Total Units 13-15

Interession	Course Code	Course	Units	Notes	Advising Notes
GE Course	HEALTH 002	Health and Fitness	3	LACCD GE Area E1/E2. Meets both LACCD GE Area E1 and E2.	

Total Units 3

Semester 4	Course Code	Course	Units	Notes	Advising Notes
Program Course	CHEM 100	Certified Quality Improvement Associate and the Industry	3	No prerequisites.	Only offered during fall and spring.
Program Course	CHEM 212	Organic Chemistry for Science Majors II	5	Prerequisite: CHEM 211.	Only offered during fall and spring.
GE Course	CHEM 221	Biochemistry for Science Majors	5	CHEM 221 is recommended, but additional course options (e.g., non-Chemistry courses) are available.	This course is offered fall and spring only.

Total Units 13

Degree Path and Requirements:

The Associate in Science in Chemistry Technician requires: a) 60 semester units (including 14 CSU or UC transferable elective units; 21 units from LACCD General Education Plan); b) achieve a grade point average of 2.0; and c) earn a "C" (or "P") for each course in the major.

This map is a suggested term-by-term sequence of courses to complete the program in a recommended time frame. This is an efficient and recommended plan, but actual plans may vary by individual student need. This map cannot replace a meeting with [counselors](#).

Department Advising Notes:

The Associate of Science for Chemistry Technician pathway stacks onto the Certificate of Achievement for Chemistry Technician.

This Associate of Science for Chemistry Technician map was created using LACCD GE requirements. This map is a suggested term-by-term sequence of courses to complete the program in a recommended time frame. This is an efficient and recommended plan, but actual plans and unit load may vary by individual student need. This map cannot replace a meeting with counselors, which is highly recommended. All of the Chemistry courses for this program are offered at the Monterey Park campus only.

Program Description

The Chemistry Technician program prepares individuals to become chemistry technicians. The program is highly hands-on, promotes teamwork, and trains students with analytical, practical, and communication skills that parallel the industry environment, enabling them to think critically and solve on-the-job problems. Employment opportunities include positions with job titles such as chemical analyst, chemical technician, formulation technician, laboratory analyst, laboratory technician, laboratory tester, organic preparation analyst, quality control technician, research technician, and water quality technician.

Career and Transfer Opportunities

An Associate of Science for Chemistry Technician degree will prepare students to pursue entry level employment opportunities in the chemical or pharmaceutical industry, environmental testing labs, or other similar sectors of employment.

Career options in Chemistry can be found [here](#).

Visit the [Transfer Center](#) for transfer and guaranteed transfer information, which varies based on transfer college. Make an appointment with [a counselor](#) for transfer information. Students can visit [Career and Job Services](#) for career counseling and further exploration.

Youtube Videos

[Chemistry Careers | What You Can Do With Your Chem Degree](#)
[American Chemical Society](#)

Program Map

A suggested sequence of classes to complete a degree, certificate, or program of study. Students should consult an academic counselor for variations to this plan based on part-time or full-time status, transfer plans, pre-requisites needed, etc.

Prerequisite Course

A specific course that must be completed before advancing to the next course.

Check the online catalog at elac.edu for the latest and most accurate information.

Contact

Vahan Ghazarian
 Department Chair
ghazarv@elac.edu
 323-780-6830