



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

Total number of units: 28 units

Top Code/Academic Plan:

Updated on August 6, 2021

Semester 1	Course Code	Course	Units	Notes	Advising Notes
Program Course	CHEM 101	General Chemistry I	5	Prerequisites: CHEM 065 & MATH 125/125S/134. Prerequisites may be waived at the discretion of the Department.	Offered every semester, including summer and winter.

Total Units 5

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.

Total Units 5

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.

Total Units 10

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.

Total Units 8

Degree Path and Requirements:

The Certificate of Achievement for Chemistry Technician requires 28 units of Chemistry coursework as outlined above.

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:

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, which is highly recommended. All of the courses for this program are offered at the Monterey Park campus only.

Several of the courses in this pathway may already be part of a student's required coursework for other goals (e.g., transfer, professional school admission) and therefore a student may have met these requirements along the way. After completing this Certificate of Achievement for Chemistry Technician, students may choose to pursue the Associate of Science for Chemistry Technician, which requires the above courses, with the addition of coursework consistent with the LACCD general education plan.

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

A Certificate of Achievement for Chemistry Technician 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

[You Belong at East Los Angeles College](#)

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

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