



Chemical Technician, Advanced Certificate - Pathway 2

This program map represents one possible path for completing this program. **Please see a counselor** to create an educational plan that is customized to meet your needs. This path is not a guarantee of course availability or financial aid applicability.

Catalog: 2025-26

Total Units: 26-27

First Year

Semester 1

6 Units

| CAT. | COURSE | TITLE | UNIT |
|------|----------------------|--|------|
| Maj | CHEMT 201 | Careers in Chemical Technology | 2 |
| Maj | STAT C1000+ / C1000H | Introduction to Probability and Statistics | 4 |

+Prerequisite for STAT C1000: Placement through assessment process; students don't place directly in STAT C1000 (check your eServices account), you will need to take STAT 10/STAT C1000 combo course.

Semester 2

8-9 Units

| CAT. | COURSE | TITLE | UNIT |
|------|-----------|---------------------|------|
| Maj | CHEM 420+ | Organic Chemistry I | 5 |
| ME | | *Major Elective | 3-4 |

+Prerequisite for CHEM 420: CHEM 401 with a grade of "C" or better

*Major Elective - A minimum of 3 units from the following: ENGL C1000, ENGWR 488(H)+, ENGL C1001+, ENGL C1001H+, ESLW 340+

+Prerequisite for ENGL C1000 & ENGWR 488: Placement through assessment process; students who don't place directly in ENGL C1000 (check your eServices account) will need to take ENGWR 80/ENGL C1000 combo course.

+Prerequisite for ENGL C1001 & ENGL C1001H: College-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent

+Prerequisite for ESLW 340: ESL 325 with a grade of "C" or better; or, for students not previously enrolled in ESL writing courses within the Los Rios district, placement through the Los Rios assessment process

Legend

- (H) - Honors
- Elec - Elective
- GE - General Education
- Maj - Required Core
- ME - Major Elective

Disclaimer

Every effort has been made to ensure that what is listed in the SCC Program Paths are accurate. The courses, the course sequencing, and the programs are subject to change without notice by the administration of the Los Rios Community College District and Sacramento City College at the discretion of the district and Sacramento City College. Further, Sacramento City College reserves the right to amend any course or program.

PLEASE SEE AN SCC COUNSELOR.

Certificate of Achievement Requirements

Certificates of Achievement require a grade of "C" or better in each major course.

Counselor Notes

This program has many Chemistry prerequisites. Students are encouraged to contact a counselor

Second Year

Semester 3

3 Units

| CAT. | COURSE | TITLE | UNIT |
|------|------------------------|-----------------------|------|
| Maj | CHEMT 424 ⁺ | Instrumentation | 2 |
| Maj | CHEMT 429 ⁺ | Research in Chemistry | 1 |

+Prerequisite for CHEMT 424: CHEM 410 or 420 with a grade of "C" or better

+Prerequisite for CHEMT 429: CHEM 410 with a grade of "C" or better

Semester 4

9 Units

| CAT. | COURSE | TITLE | UNIT |
|------|------------------------|---|------|
| Maj | BUS 310 ⁺ | Business Communications | 3 |
| Maj | CHEM 421 ⁺ | Organic Chemistry II | 5 |
| Maj | CHEMT 297 ⁺ | Post Practicum Seminar in Chemical Technology | 1 |

+Prerequisite for BUS 310: BUS 100, ENGL C1000, or ESLW 340 with a grade of "C" or better

+Prerequisite for CHEM 421: CHEM 420 with a grade of "C" or better

+Prerequisite for CHEMT 297: CHEMT 201, 424, and 429 with grades of "C" or better

for course sequence adjustments.

Department Notes

There are two pathways students can take to receive the advanced chemical technician certificate:

- Pathway 1 is recommended for students who want to pursue analytical techniques (emphasis on quantitative analysis).
- Pathway 2 is recommended for students who plan to pursue organic analysis.

Important Links

- [SCC General Counseling](#)
- [Chemistry](#)
- [Science, Math, & Engineering Meta Majors](#)