



# 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:** 2024-25

**Total Units:** 26-27

## First Year

### Semester 1

**6 Units**

| CAT. | COURSE                      | TITLE                                      | UNIT |
|------|-----------------------------|--------------------------------------------|------|
| Maj  | CHEMT 201                   | Careers in Chemical Technology             | 2    |
| Maj  | STAT 300 <sup>+</sup> / 480 | Introduction to Probability and Statistics | 4    |

**+Prerequisite for STAT 300:** Placement through assessment process; students don't place directly in STAT 300 (check your e-Services account), you will need to take STAT 10/STAT 300 combo course.

### Semester 2

**8-9 Units**

| CAT. | COURSE                | TITLE               | UNIT |
|------|-----------------------|---------------------|------|
| Maj  | CHEM 420 <sup>+</sup> | 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: ENGWR 300+/488(H), ENGWR 302+/482(H), ESLW 340

**+Prerequisite for ENGWR 300:** Placement through assessment process; students who don't place directly in ENGWR 300 (check your e-Services account) will need to take ENGWR 80/ENGWR 300 combo course.

**+Prerequisite for ENGWR 302:** ENGWR 300, ENGWR 488, or ESLW 340 with a grade of "C" or better

**+Prerequisite for ESLW 340:** ESL 325 with a grade of "C" or better or placement through 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 course with a minimum of 12 units completed at Sacramento City College.

### Counselor Notes

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

## Second Year

### Semester 3

**8 Units**

| CAT. | COURSE                | TITLE                   | UNIT |
|------|-----------------------|-------------------------|------|
| Maj  | BUS 310 <sup>+</sup>  | Business Communications | 3    |
| Maj  | CHEM 421 <sup>+</sup> | Organic Chemistry II    | 5    |

**+Prerequisite for BUS 310:** BUS 100, ENGWR 300, or ESLW 340 with a grade of "C" or better

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

## Semester 4

**4 Units**

| CAT. | COURSE                 | TITLE                                         | UNIT |
|------|------------------------|-----------------------------------------------|------|
| Maj  | CHEMT 424 <sup>+</sup> | Instrumentation                               | 2    |
| Maj  | CHEMT 429 <sup>+</sup> | Research in Chemistry                         | 1    |
| Maj  | CHEMT 297              | Post Practicum Seminar in Chemical Technology | 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

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

## Important Links

[SCC General Counseling](#)

[Chemistry](#)

[Science, Math, & Engineering Meta Majors](#)

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