



# Chemical Technology A.S. Degree

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:** 59-62

## First Year

### Semester 1

14-15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CHEM 400 <sup>+</sup>	General Chemistry I	5	IV
GE	INDIS 313 <sup>*</sup>	Freshman Seminar	3	IIIB
ME	ENGWR 300 <sup>**</sup> / 488 <sup>H</sup> / ESLW 340	College Composition	3-4	IIA
GE		Social & Behavioral Sciences	3	VB

**+ Prerequisite for CHEM 400:** : CHEM 300 with a grade of "C" or better or placement through the assessment process

**\*INDIS 313 - Freshman Seminar is specifically designed for First Time in College students. If you're not a First Time in College student, please select a GE course from SCC General Education Area IIIb, such as HCD 310-College Success.**

**\*\*If you don't place directly in ENGWR 300 (check your e-Services account), you will need to take ENGWR 80/ENGWR 300 combo course.**

### Semester 2

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CHEM 401 <sup>+</sup>	General Chemistry II	5	
GE		American Institutions	3	VA
GE		Physical Education	1	IIIA
GE	MATH 300 <sup>**</sup>	Introduction to Mathematical Ideas	3	IIB
GE		Ethnic/Multicultural Studies	3	

**+ Prerequisite for CHEM 401:** CHEM 400 with a grade of "C" or better

**\*\*If you don't place directly in MATH 300 (check your e-Services account), you will need to take MATHS 95/MATH 300 combo course.**

### 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.**

### AA/AS Requirements

Associate Degrees require the following:

1. Completion of a minimum of 60 degree-applicable units with an overall grade point average (GPA) of 2.0 ("C" average). A minimum of 12 units must be completed at Sacramento City College.
2. Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College.
3. Completion of [Sacramento City College's general education requirements](#) – Area I; Area II(a) and II(b); Area III(a) and III(b), or Area III(c); Area IV; Area V; and Area VI – with an overall 2.0 GPA.
4. Completion of all three [competency requirements](#) (reading, writing, and mathematics).

## Second Year

## Semester 3

15-16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
ME	CHEM 420 <sup>+</sup> / 425 <sup>+</sup>	Organic Chemistry I	4-5	
Maj	CHEM 410 <sup>+</sup>	Quantitative Analysis	5	
Elec		**Elective	3	
Elec		**Elective	3	

+ Prerequisite for CHEM 420 & CHEM 425 & CHEM 410: CHEM 401 with a grade of "C" or better

\*Major Elective: (CHEM 420 and CHEM 421) OR (CHEM 425 and CHEM 426)

\*\*Electives may include any courses numbered 100-499.

## Semester 4

15-16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
ME	CHEM 421 <sup>+</sup> / 426 <sup>+</sup>	Organic Chemistry II	4-5	
GE		Humanities	3	I
Elec		**Elective	3	
Elec		**Elective	3	
Elec		**Elective	2	

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

+ Prerequisite for CHEM 426: CHEM 420 or 425 with a grade of "C" or better

\*Students who choose to take CHEM 420 in a previous semester must complete CHEM 421 this semester.

\*Students who choose to take CHEM 425 in a previous semester must complete CHEM 426 this semester.

\*\*Electives may include any courses numbered 100-499.

Students with Advanced Placement (AP) and International Baccalaureate Credit (IB) test scores should notify their Counselor to learn more about how test scores may be used for credit.

*Exception: Students who possess a bachelor's (BA/BS) or higher degree from a college or university accredited through a regional accrediting agency recognized by the Council for Higher Education Accreditation (CHEA) are deemed to have satisfied both the general education and graduation competency requirements for an AA/AS degree. Degrees from accredited institutions outside of the US will be evaluated on a case-by-case basis.*

### Placement Information

Support courses required for English and Math per placement. **Check your e-Services account under "Academic Records" to determine your placements.**

### General Education

Meet with your counselor to discuss the appropriate GE pattern for your individual transfer/graduation goals - AA/AS, CSU-GE (for CSUs), IGETC-GE (for CSU/UC and some private/out-of-state colleges).

### Counselor Notes

- All AA-Ts and AS-Ts are designed to transfer to CSUs in most majors. Students who wish to transfer to a UC are strongly encouraged to meet with a counselor to determine additional major requirements.
- AA/AS Degrees: See a counselor to ensure that you will have completed all of your local graduation requirements.
- Math – you may have other options for transfer level math; check with your counselor.

### Important Links

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