

CHEMISTRY – ASSOCIATE IN SCIENCE FOR TRANSFER

The goal of the Associate in Science in Chemistry for Transfer (AS-T) Degree is to provide a lower-division science foundation for those interested in pursuing chemistry as a major field of study. This major prepares students to transfer to California State University campuses. Students considering careers in research, teaching, scientific consulting, medicine, chemical engineering, pharmacy, material science, forensics and biotechnology industries, find the chemistry major an essential academic preparation for entry into these professions.

The AS-T in Chemistry is intended for students who plan to complete a baccalaureate degree in Chemistry or a related field of study at a California State University (CSU). Students who complete this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T in Chemistry will be required to complete no more than 60 semester units after transfer to earn a baccalaureate degree.

To be awarded the Associate Degree for Transfer, students must have the following:

- Completion of 60 CSU transferable semester units.
- A minimum of at least 2.0 GPA in CSU transferable courses (note that a higher GPA may be required in some institutions).
- Completion of at least 18 units in the major with a grade of “C” or better. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.
- Certified completion of the Intersegmental General Education Transfer Curriculum (IGETC) for CSU requirements.

Please Note: No more than 60 semester units are required for this degree and no additional requirements will be imposed by Evergreen Valley College.

1. Apply analytical methodologies with logical quantitative and qualitative reasoning when approaching a chemical problem.
2. Demonstrate competence in laboratory techniques and chemical experimental methods.
3. Recognize the processes which explain natural chemical phenomena.

Major Requirements

| Course | Title | Units |
|-----------|--|-------|
| CHEM 001A | General Chemistry | 5 |
| CHEM 001B | General Chemistry | 5 |
| CHEM 012A | Organic Chemistry | 5 |
| CHEM 012B | Organic Chemistry | 5 |
| PHYS 007A | Calculus-Based General Physics for Scientists and Engineers - I | 4 |
| PHYS 007B | Calculus-Based General Physics for Scientists and Engineers - II | 4 |
| MATH 066 | Calculus I Late Transcendentals for STEM | 4 |
| MATH 067 | Calculus II Late Transcendentals for STEM | 4 |

Total Requirements

| Course | Title | Units |
|---------------------------------------|-------|-------|
| Total Major Requirements ¹ | | 36 |
| IGETC (CSU) for STEM ² | | 31 |
| Total Units | | 60 |

¹ Some GE courses may be double-counted within the major and will reduce the number of units. General electives may be needed to reach 60 units. Please consult with a counselor to determine which courses are applicable.

² IGETC (CSU) for STEM only requires students to complete 6 units in the Arts and Humanities and 6 units in the Social Science areas (IGETC areas 3 and 4) prior to transfer.