

PROGRAM OF STUDY

Chemistry Associate in Science for Transfer Degree

An Associate in Science in Chemistry for Transfer Degree is designed for students who plan to complete a bachelor's degree in a similar major at a CSU campus. An Associate in Science in Chemistry for Transfer Degree will develop a student's ability to collect, record, organize, analyze, critically evaluate, and interpret chemical information and data. The student will learn how to apply appropriate theories and techniques, to solve quantitative and qualitative problems. The program will also involve learning how to use computational and critical thinking skills, applying concept knowledge, and effectively communicating scientific information. These skills and this set of knowledge will be valuable to a student transferring to a CSU to major in chemistry. It will also enhance a student's preparation to go on to earn a graduate degree as well as a wide range of rewarding careers.

To obtain the Associate Degree for Transfer students must complete the following:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:

(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Required Courses

| | | Units |
|---------|--|-------|
| CHEM1A | General Chemistry | 5 |
| CHEM1B | General Chemistry and Qualitative Analysis | 5 |
| CHEM28A | Organic Chemistry I | 3 |
| CHEM28B | Organic Chemistry II | 3 |
| CHEM29A | Organic Chemistry Laboratory I | 2 |
| CHEM29B | Organic Chemistry Laboratory II | 2 |
| MATH5A | Math Analysis I | 5 |
| MATH5B | Math Analysis II | 4 |
| PHYS4A | Physics for Scientists and Engineers | 4 |
| PHYS4B | Physics for Scientists and Engineers | 4 |

IGETC for STEM

Units

Total Units

60

Effective Term: Fall 2015

PID 437