

CHEMISTRY ASSOCIATE IN SCIENCE DEGREE FOR TRANSFER (AS-T)

PROGRAM CODE: 1S33954

Financial Aid Eligible

The **Chemistry Associate in Science Degree for Transfer (AS-T in Chemistry)** is designed to provide an opportunity for the Chemistry major to achieve an Associate in Science in Chemistry for Transfer (AS-T in Chemistry) which completes the first and second year requirements for transfer to a four-year public California institution. Students with a degree in chemistry may pursue careers in a variety of fields such as pharmacy, medicine, engineering, teaching, biotechnology, patent law, and forensic science. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Chemistry or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center, and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The AS-T is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. The completion of this curriculum will demonstrate commitment to the Chemistry field and provide comprehensive preparation for upper-division work. To earn an AS-T in Chemistry, students must complete the following requirements: (1) a minimum of 36 semester units or 54 quarter units in the Chemistry major with a minimum grade of "C" in each course; . A P(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better (2) the Intersegmental General Education Transfer Curriculum (CSU IGEC) for STEM*; (3) completion of 60 semester or 90 quarter units of CSU transferable coursework; and (4) have an overall GPA of 2.0 or higher. *Note: The California State University General Education Breadth pattern (CSU GE) is NOT an option for this degree. Students must use the Intersegmental General Education Transfer Curriculum (CSU IGEC) for STEM which allows students to take one Arts or Humanities course and one Social or Behavioral Science course after transfer. Students should consult with a counselor when planning to complete the degree for more information on specific university admission

and transfer requirements. This degree requires a total of 36 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses (36 units):		
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
CHEM 211AC	Organic Chemistry I	5
CHEM 211BC	Organic Chemistry II	5
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
Total Units		36

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Program Student Learning Outcomes

OUTCOME 1: Acquire the knowledge and skills, including the principles and applications of general and organic chemistry, experimental techniques and safety protocols in laboratory, necessary for transfer to a four-year institution.

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