

This is an unofficial document – See Cerritos College Catalog for official document

CERRITOS COLLEGE CHEMISTRY (AS-T)

ASSOCIATE IN SCIENCE DEGREE IN CHEMISTRY FOR TRANSFER

Upon completion of the Associate in Science in Chemistry for Transfer degree, students will have gained an understanding of the fundamental principles of chemistry and of the scientific process and will be able to demonstrate the analytical, critical thinking, and communication skills needed for continuing academic achievement and professional success. This Associate in Science Degree for Transfer in Chemistry is for seamless transfer to a CSU.

REQUIRED COURSES:

Course Number	Course Name	UNITS
CHEM 111	General Chemistry	5
CHEM 112	General Chemistry	5
CHEM 211	Organic Chemistry	5
CHEM 212	Organic Chemistry	5
MATH 170	Analytic Geometry and Calculus I	4
MATH 190	Analytic Geometry and Calculus II	4
PHYS 201	Engineering Physics	4
PHYS 202	Engineering Physics	4
Total Units:		36

ASSOCIATE OF SCIENCE IN CHEMISTRY FOR TRANSFER REQUIREMENTS:

The Associate in Science in Chemistry for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including the above major requirements and the California General Education Curriculum (CAL-GETC) for STEM requirements with a minimum grade point average of 2.0.

CAREER OPPORTUNITIES:

After transfer to a four-year college or university and completion of the bachelor's degree program, graduates qualify for graduate study and for professional careers in government, education, and private industry, including agrochemistry, analytical chemistry, astrochemistry, atmospheric chemistry, biochemistry, biomedical technology, biotechnology, catalysis, ceramics industry, chemical engineering, chemical information, chemical sales, chemical technology, chemistry, colloid science, consulting, consumer product research and development, environmental chemistry, environmental consulting, environmental law, environmental management, environmental policy, environmental regulation, ethnobotany, food chemistry, forensic science, geochemistry, government policy, hazardous waste management, healthcare, health policy, inorganic chemistry, materials science, medicine, metallurgy, military systems, oceanography, organic chemistry, paper industry, patent law, perfume chemistry, petroleum and natural gas industry, pharmaceuticals, physical chemistry, plastics industry, polymer industry, R & D management, science writing, software design, space exploration, surface chemistry, teaching, technical writing, textile industry, and water chemistry.