



WHAT IS CHEMISTRY?

Chemistry is the study of matter, its composition, properties, and the changes they undergo. Specifically it studies atoms, molecules, and ions. Chemistry is often regarded as the "central" science because it provides a foundation for understanding both basic and applied scientific disciplines at a fundamental level. The main branches of chemistry are Biochemistry, Organic Chemistry, Inorganic Chemistry, and Analytical Chemistry.

INTERESTS

(THINGS YOU LIKE TO DO)

- Conducting experiments
- Using scientific rules and methods to solve problems
- Working in a lab setting
- Conducting research
- Interest in the medical field
- Interest in studying the structures and properties of matter

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SKILLS

(THINGS YOU WILL LEARN & USE)

- Numerical and scientific skills
- Research and analytical skills
- Laboratory techniques
- Attention to detail
- Investigative skills
- Critical thinking
- Organizational skills
- Performing experiments
- Processing data

LAVC DEGREES & CERTIFICATES OFFERED

Students will be introduced to the fundamental concepts of chemistry including atomic and molecular structure, organic and inorganic compounds, the physical properties of gases, liquids, solids, and solutions. LAVC offers the following degree:

- **Associate of Science (AS) in Chemistry**
 - Designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Chemistry

TRANSFER RELATED MAJORS

- **CSU Northridge:** Chemistry
- **CSU Los Angeles:** Chemistry and Biochemistry
- **CSU Long Beach:** Chemistry, option in Material Sciences, Biochemistry
- **CSU Dominguez Hills:** Chemistry, Biochemistry
- **CSU San Diego:** Chemistry, Biochemistry
- **UC San Diego:** Pharmacological Chemistry
- **UC Los Angeles:** Chemistry, option in Material Sciences, Biochemistry
- **UC Riverside:** Chemistry, option in Chemical Physics, Environmental Chemistry
- **University of Southern California:** Chemistry, option in Research, Chemical Biology, Chemical Nanoscience
- **Pepperdine University:** Chemistry



EARNINGS*



*Earnings can vary by occupation and experience. The following are median wages as of 2018 in California based on CaliforniaCareerZone.org

FOR MORE INFORMATION:

- www.lavc.edu/transfer
- www.lavc.edu/chemistry/index.html
- <http://www.lavc.edu/transfer/majors/default.html>
- www.assist.org
- www.eureka.org
- www.cacareerzone.org
- www.onetonline.org
- <http://degrees.calstate.edu/>
- https://admission.universityofcalifornia.edu/counselors/files/undergraduate_majors_list.pdf

RELATED OCCUPATIONS

- Toxicologist
- Research chemist
- Chemical engineer
- Pharmacologist
- Laboratory technician
- High school chemistry teacher
- Epidemiologist
- Anesthesiologist
- Forensic chemist



POTENTIAL EMPLOYERS

- Laboratories
- Pharmacies
- Hospitals
- Factories
- Dentist office
- Research companies
- Pharmaceutical companies
- Cosmetic companies
- Colleges and universities

This general information is provided by the LAVC Career/Transfer Center. For specific information about majors and careers please make an appointment to see a counselor either online, in person at the Counseling Department (Student Services Annex) or by phone at (818) 947-2474.