

Chemistry



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Chemistry is the study of matter and the changes it undergoes. Chemistry is called the central science because a basic knowledge of chemistry is essential in many scientific fields, including biology, physics, geology, engineering, and material science.

Knowledge of chemistry is essential for many important areas of life, which includes pharmaceuticals, plastics and other polymers, material composites, electronics, fuels, batteries, food additives, etc. Chemistry is essential in studying atmospheric science, medical science, pollution control, genetics, and new materials applications.

The Lee College chemistry program has the goal of providing training and knowledge in fundamental chemistry principles, critical thinking using those fundamentals, analytical chemistry techniques, and a thorough knowledge of organic chemistry fundamentals.

What Will I Learn?

An associate of science in chemistry from Lee College is a great first step toward a bachelor of science in a related field. Graduates of the program are qualified to work in entry-level chemistry professions or use it to supplement their current career in industry. Students will gain a basic understanding and appreciation of nature, critical thinking, and problem-solving appropriate for a profession in chemistry and related disciplines. Entry prerequisites for this degree program are MATH 1314 or equivalent, and MATH 2412 or equivalent.

What Can I Do with This Course of Study?

An advanced degree in Chemistry can lead to a variety of different careers, such as:

- Medical lab technician
- Research specialist
- Chemist
- Laboratory assistant
- Quality lab technician
- Clinical laboratory technologist

Degrees and Certificates

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Chemistry (AS) Degree Plan

Entry prerequisites: MATH 1314 or equivalent and MATH 2412 or equivalent.

Semester 1

- ENGL 1301 Ω - English Composition I \blacklozenge
- HIST 1301 Ω - History of the United States to 1877 \blacklozenge
- CHEM 1411 Ω - General Chemistry I \blacklozenge
- Institutional Requirement

Semester 2

- ENGL 1302 Ω - English Composition II \blacklozenge
- HIST 1302 Ω - History of the United States Since 1877 \blacklozenge
- MATH 2413 - Calculus I with Analytic Geometry \blacklozenge
- CHEM 1412 - General Chemistry II \blacklozenge
- ECON 2301 - Principles of Economics: Macroeconomics \blacklozenge

Semester 3

- SPCH 1315 Ω - Principles of Public Speaking \blacklozenge
- GOVT 2305 Ω - Federal Government \blacklozenge
- CHEM 2423 - Organic Chemistry I \blacklozenge
- MATH 2414 - Calculus II with Analytic Geometry

Semester 4

- Creative Arts \blacklozenge
- GOVT 2306 Ω - Texas Government \blacklozenge
- CHEM 2425 - Organic Chemistry II \blacklozenge
- Science Elective*
- LPC Language, Philosophy, and Culture \blacklozenge

*Recommended: PHYS 2425

◆ Core curriculum course.

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