Why major in Chemistry?

- Career opportunities as a chemistry major are plentiful.
- A chemistry major is excellent preparation for professional schools such as medical school, pharmacy school, veterinary school, etc.
- A chemistry major is excellent preparation for furthering your education in graduate school in a variety of disciplines.
- A chemistry major is often respected for employment in a variety of areas outside of chemistry, for example business.
- Being a chemistry major is fun!
CHEMISTRY CORE CURRICULUM
Chemistry majors at Clayton State will take required courses representing various disciplines within physical science, including:
• General Chemistry
• Organic Chemistry
• Physical Chemistry
• Analytical Chemistry
• Biochemistry
• Instrumental Analysis
• Physics
• Mathematics

INTERNSHIP AND RESEARCH
Students pursuing a Chemistry degree at Clayton State University are required to participate in experiential learning activities, such as an on-campus internship or undergraduate research project.

ELECTIVE COURSES
In addition to the core courses, Chemistry majors at Clayton State University choose elective courses to match their career goals and interests. Elective courses are offered in areas such as biochemistry, medicinal chemistry, inorganic chemistry, forensic chemistry and environmental chemistry.

GRADUATE AND PROFESSIONAL SCHOOL PREPARATION
The chemistry major is designed to meet the admissions standards and requirements of graduate and professional school programs in many areas, including medicine, pharmacy, and master’s and doctoral degree programs in chemistry and related fields.

Earning a Chemistry Major prepares students for a variety of careers in the sciences:
• Chemist/biochemist
• Dentist
• Engineer
• Environmental Scientist
• Forensic Scientist
• Laboratory Technician
• Pharmacist
• Physical Therapist
• Physician
• Physician Assistant
• Researcher
• Science Educator
• Veterinarian
• And many more!

CHEMISTRY FACULTY
The chemistry faculty at Clayton State University represent several specialties in chemistry and provide balanced education and research opportunities to our students.

Dr. Augustine Agyeman
Ph.D. Loyola University Chicago
Research/Interests: Spectral and electrochemical studies of clay properties
Email: AAgyeman@clayton.edu

Dr. James R. Braun
Ph.D. Washington University
Research/Interests: Chemical education
Email: JimBraun@clayton.edu

Dr. Caroline Clower
Ph.D. Georgia Institute of Technology
Research/Interests: Organic synthesis; photochemistry; chemical education
Email: CarolineClower@clayton.edu

Dr. Susan Hornbuckle
Ph.D. Emory University
Research/Interests: Organic Synthesis; Chemical Education
Email: SusanHornbuckle@clayton.edu

Dr. Michael Kirberger
Ph.D. Georgia State University
Research/Interests: Protein chemistry and natural products
Email: MichaelKirberger@clayton.edu

Dr. Jonathan Lyon
Ph.D. University of Virginia
Research/Interests: Physical/inorganic chemistry with metals
Email: JonathanLyon@clayton.edu

Dr. Richard Singiser
Ph.D. University of Kentucky
Research/Interests: Protein-protein interactions and the cytoskeleton
Email: RichardSingiser@clayton.edu

Dr. Patricia Todebush
Ph.D. University of Georgia
Research/Interests: Computational chemistry; chemical education; motivation in science; chemical knowledge assessment
Email: PatriciaTodebush@clayton.edu