

Bachelor of Science **CHEMISTRY**

Points of Contact

Website: <http://www.clayton.edu/science/chemistry>

Academic Advisor: TBA—Contact Advisement Center 678-466-4727 or
Visit <http://www.clayton.edu/arts-sciences/advising>

Coordinator: PatriciaTodebush@clayton.edu/678-466-4788/NBS 155

Department Chair: MichelleFurlong@clayton.edu/678-466-4778/Faculty Hall A-128

Students will be assigned to a FACULTY ADVISOR while enrolled in Principles of Chemistry II/L).

General Program Information

The Chemistry program prepares graduates to demonstrate knowledge of the basic principles of major fields of chemistry, mastery of basic laboratory, research and technology skills applicable to chemistry and demonstrate the ability to collect, evaluate and interpret scientific data. In addition to the core courses in general, organic, physical, analytical and biochemistry, chemistry majors at CSU choose elective courses to match their career goals and interests. Elective courses are offered in areas such as medicinal chemistry, inorganic chemistry, forensic chemistry, and environmental chemistry. 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.

Course & Curriculum Information

- A complete Curriculum Worksheet may be found at <http://www.clayton.edu/science/chemistry> under "Chemistry Major Checklist".
- Students will complete Areas A—E of the general core curriculum with the following specific course requirements:
 - Area A2: Precalculus (MATH 1113), Trigonometry (MATH 1112A), or Calculus I (MATH 1501)
 - Area D1: Principles of Chemistry I & II (CHEM 1211/L & CHEM 1212/L)
 - Area D2: Calculus I (MATH 1501) if not taken in Area A2. Calculus II (MATH 2502) Calculus I was taken to satisfy Area A2.
- Major Specific Electives (Area F) requires completion of:
 - Organic Chemistry I & II (CHEM 2411/L & CHEM 2412/L)
 - Principles of Physics I & II (PHYS 2211/L & PHYS 2212/L)
 - Calculus II (MATH 2502) is required if not taken to satisfy Area D2.
- A minimum grade of a "C" is required in all science lectures and labs in Areas A-F.
- Complete the Principles of Chemistry sequence (CHEM 1211/L and CHEM 1212/L) as early as possible because they are the pre-requisites for many upper division courses.
- REGISTER EARLY! Science courses and labs fill very quickly.

B.S. CHEMISTRY

What Can I Do With A Major In.....Chemistry?

Major Description: The Chemistry (B.S.) Program is designed to offer students work in a number of areas, including government agencies and research labs. The major also prepares the student for further education in pursuit of graduate degrees or professional degrees in chemistry fields (e.g., medicine, environmental engineer, etc.).

Some Related Job Titles*	Possible Employers	Additional Resources for more information:
Brewer Lab Assistant	Center for Disease Control	Clayton State University
Environmental Health Specialist	County Boards of Health	http://a-s.clayton.edu/Chemistry/
Food Scientist Technician	Education Facilities (teacher, lab tech.)	Books-Career Services Library
Forensic Chemist	Food Manufacturers	Occupational Outlook Handbook
High School Teacher	Government (local and federal)	http://www.bls.gov/oco/
Hospital Administrator	Healthcare Facilities (hospitals, clinics)	O*NET
Industrial Buyer	Insurance Companies	http://www.onetonline.org/
Museum Curator	Life Sciences Companies	Georgia Career Information Center
Occupational Safety Specialist	Local, State or Federal Parks	www.GCIC.peachnet.edu
Perfumer	Manufacturing Plants	(call for password and login information)
Pharmaceutical Sales Representative	Museums/Aquariums/Zoo	
Product Developer	Non-Profit Organizations	
Product Tester	Pharmaceutical Companies	
Risk Manager	Scientific Publishers	
Scientific Photographer	Utility Service Providers	
Soil Scientist		
Vector Control Assistant		

* This list is a sample of options. There are many more titles and employers from which to choose, this is just a sample of a few. When considering job titles for yourself, consider *your* **skills, knowledge, and experience level**. If you are unaware of your personal skill set, schedule a meeting with a career counselor at the phone number listed below. We look forward to helping you discover your "best fit" in a career based on your interests.

Career Services Edgewater Hall — Suite 228 —678-466-5400