



Wells College

Name: _____

Advisor: _____

Graduation Year: _____

Chemistry Major

Bachelor of Science

The number of courses required for the major is 17 courses (60-64 semester hours); at least 6 of these courses (18 semester hours) are at the 300-level or above.

Requirements:

All of the following (54-56 sem. hrs.)

- BCS 290/390 Internship in the Biological and Chemical Sciences (2-4 sem. hrs.)
- BCS 403 Senior Seminar in the Biological and Chemical Sciences (4 sem. hrs.)
- CHEM 107L General Chemistry (4 sem. hrs.)
- CHEM 108L Chemical Analysis (4 sem. hrs.)
- CHEM 213L Organic Chemistry I (4 sem. hrs.)
- CHEM 214L Organic Chemistry II (4 sem. hrs.)
- CHEM 301 Physical Chemistry (3 sem. hrs.)
- CHEM 308LL Laboratory in Physical Chemistry (1 sem. hr.)
- CHEM 315L Inorganic Chemistry (4 sem. hrs.)
- CHEM 323L Biochemistry (4 sem. hrs.)
- CHEM 327L Instrumental Analysis (4 sem. hrs.)
- MATH 111 Calculus I: Introduction to Calculus (4 sem. hrs.)
- MATH 112 Calculus II (4 sem. hrs.)
- PHYS 111L Fundamentals of Physics I (4 sem. hrs.)
- PHYS 212L Fundamentals of Physics II (4 sem. hrs.)

Two of the following (6-8 sem. hrs.)

- CHEM 303 Medicinal Chemistry (3 sem. hrs.)
- CHEM 326 Biochemical Pathways (3 sem. hrs.)
- CHEM 331 Solid State Chemistry (3 sem. hrs.)
- CHEM 385 Topics in Chemistry (3-4 sem. hrs.)
- PHYS 302 Modern Physics (3 sem. hrs.)
- PHYS 307 Intermediate Quantum Mechanics (3 sem. hrs.)

What can I do with this major?

See below for examples of what you can do with a Chemistry major after graduation!

For more information, see the full results at <http://whatcanidowiththismajor.com/major/>

Potential employers

- Government agencies:
 - U.S. Food and Drug Administration
 - U.S. Environmental Protection Agency
 - U.S. Department of Agriculture
 - National Institutes of Health
 - Public health departments
- Industries:
 - Chemical
 - Pharmaceutical
 - Biotechnology
 - Food
 - Feed
 - Cosmetics
 - Agricultural
 - Environmental
 - Petroleum
 - Consumer products
 - Private Research labs and organizations
 - Colleges and universities
 - Consulting firms

Healthcare (requires advanced degree)

- Medicine (incl. podiatry and optometry)
- Dentistry
- Pharmacy
- Veterinary Medicine

Possible graduate school specializations

- Analytical Chemistry
- Biochemistry
- Chemical Engineering
- Geochemistry
- Inorganic Chemistry
- Materials Science
- Organic Chemistry
- Physical Chemistry
- Polymer Chemistry

Types of jobs

- Product Development
- Process Development
- Analysis
- Testing
- Biotechnology
- Consulting
- Quality Assurance/Quality Control
- Management