

Next Steps

Freshman Highlights



- Schedule time to meet with an academic advisor in the Students First Office to develop a 4-year plan
- Apply to participate in special interest housing
- Sign up early for tutoring and Supplemental Instruction through Student Success Center
- Log into SpartanCareers to view jobs and start your career
- Check out undergraduate research opportunities
- Review the ExploreIt! Shadow Program

Sophomore Highlights



- Meet with your faculty advisor to ensure you are on track in completing your GEC requirements
- Visit Students First Office to estimate your GPA and re-view your degree evaluation
- Visit Career Services Center to talk with a Peer Career Ambassador. Time to get your major confirmed and resume started
- Attend Career Services Theme Weeks
- Begin to develop your professional network

Junior Highlights



- Discover leadership opportunities through clubs and organizations
- Check out opportunities—Office of Leadership & Service Learning
- Visit Career Services Center to complete your resume, practice interviewing, learn about graduate school, and/or prepare your internship search action plan
- Attend Career Fairs and Employer Information Sessions
- Continue to build your professional network by speaking with faculty, employers, and alumni
- Complete a Course Overload Form in Student First Office if you need to register for more than 18 hours

Senior Year Highlights



- Meet with your faculty advisor to finalize your plans
- Apply for graduation via University Registrar - watch out for **deadlines**
- Take the “Senior Check Up” to see what skills or experiences you should make use of at Career Services
- Start applying to jobs and graduate programs
- Attend Career Fairs
- Network, network, network

B.A./B.S. in Chemistry and Biochemistry



MAP IT!

Chart your course

Department of Chemistry and Biochemistry

<http://www.uncg.edu/che>

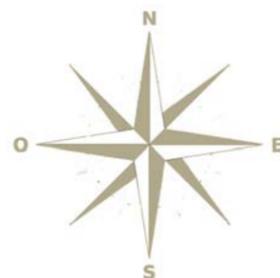
Career Services Center

#1 Elliott University Center

336.334.5454

career_services@uncg.edu

csc.dept.uncg.edu



Students First

061 McIver Building

336.334.5730

students@uncg.edu

studentsfirst.uncg.edu



THE UNIVERSITY *of* NORTH CAROLINA
GREENSBORO

Chemistry and Biochemistry

Majors: B.A. and B.S.

WHERE IT CAN TAKE YOU

Sample Work Functions

Those who study this major generally direct their skills, experience, and knowledge towards the following career functional areas:

- Biochemist
- Teacher
- Ecologist
- Physician
- Technician
- Public Health
- Toxicologist
- Metallurgist
- Biomedical Engineering
- Geneticist

Sample Work Settings

Here is a sample of work settings (or work environments) that might interest someone with this educational background.

- Food Processing
- Physicians' Office
- Healthcare Companies
- Universities & Colleges
- Hospitals
- Scientific Corporations
- R&D Firms
- Institutional Review Boards
- Pharmaceuticals
- Mining Companies
- Federal & State Government
- K-12 Education
- Non Profit Organizations

Sample Salary Information

Salary information below represents median trends for sample job functions below and may not account for variables including geography, candidate background, or other factors involved in salary negotiation. For more complete information, check out the O*Net and the Occupational Outlook Handbook in addition to conducting informational interviews with professionals in the field.

- Chemist: \$69,790
- Food & Drug Inspector: \$33,030
- Teacher: \$53,230
- Laboratory Technician: \$46,680
- Veterinarian: \$82,040*
- Pharmacy Technician: \$28,400
- Research Scientist: \$76,700*
- Radiologist: \$54,340

*additional education may be required

Organizations Where Our Alumni Have Gone

- Craft Technologies, Inc.
- Durham County Health Department
- Solstas Lab Partners
- LGS Innovations
- Syngenta Crop Protection
- LabCorp
- Ecolab
- Carolina Healthcare System
- Duke University
- Viking Polymers
- Haynes & Company
- Ocular Systems, Inc.

HOW TO GET THERE

Try on this major

There are two distinct degree programs within the Chemistry and Biochemistry department: the Bachelor of Arts (BA) and the Bachelor of Science (BS).

The BA degree program may lead to further study in graduate school, medicine, dentistry, secondary school teaching, technical writing or sales. The BS program develops a stronger background in mathematics and related sciences to attain a greater understanding of chemistry than the Bachelor of Arts degree.

Both programs have courses that any UNCG student can take as a way to "try on" the major and determine if it is a good fit for you. Talk with your advisor if you are interested in "trying on" this major.

CHE 111/112: General Chemistry I/General Chemistry I Lab (GEC: GNS, CAR: GPS)*

BIO 111/111L: Principles of Biology I/Principles of Biology I Lab (GEC: GNS; CAR: GLS)*

*These courses fulfill degree requirements as outlined in the Undergraduate Bulletin.

When to take coursework

CHE 111/112—first semester freshman year

CHE 114/115—second semester freshman year

PHY 211—second semester freshman year

OR

PHY 291 - second semester freshman year

MAT 151—first semester freshman year (requires students to place out of or complete MAT 150)

MAT 191—second semester freshman year

Special Interest Housing

Special interest housing communities are residential-based programs designed to enhance the overall undergraduate student experience by fostering one-on-one relationships between faculty, staff, and students in a close knit residence hall environment. Students are encouraged to explore intellectual, cultural, and social interests through experiential activities often linked to the academic curriculum. Students learn with friends, while gaining real-world experience all where they live. Special interest housing options include:

- Lloyd International Honors College
- Residential Colleges
- Living-Learning Communities
- Themed Communities

Past Internship Sites

Note: this is a partial listing of where students have interned in the past. Internships are not guaranteed; work with your academic program and the Career Services Center to strategize your plans for an internship to complement your studies.

- UNCG Chemistry and Biochemistry Department
- UNCG Faculty Laboratories
- Team Connection
- LabCorp

Sample Graduate Programs

Students graduating from this undergraduate program also look at continuing their education in these sample programs:

- Veterinary Science
- Medical School
- Pharmacy
- Biotechnology
- Dental School
- Biochemistry
- Chemistry
- Public Health
- Nutrition Programs

GPA & Other Requirements

Once you declare this major and select your academic concentration, you want to be sure you are aware of the various GPA and program requirements. Knowing these in advance will help you stay on track each semester and in planning out your long-term goals.

Concentration	GPA & Program Requirements	Application Procedures
Chemistry (BA) Chemistry (BS) Research Concentration Biochemistry Concentration	<ul style="list-style-type: none"> • Must earn C- or higher for all pre-requisite courses • Must earn C or higher in major requirement courses 	
Comprehensive Science High School Teaching Licensure (BA/BS)	<ul style="list-style-type: none"> • Minimum Major GPA of 2.5 • Achieve minimum score on Praxis I, ACT, or SAT • Completed Background Check 	Students must be admitted to Teacher Education program. Students may apply at the end of their sophomore year. More information can be found in the Secondary Teacher Education Handbook.
Biochemistry (BS)	<ul style="list-style-type: none"> • Must earn C- or higher for all pre-requisite courses • Must earn C or higher in major requirement courses 	

*This licensure program relies heavily on early and adequate advising. It is the student's responsibility to meet as soon as possible with both his/her major advisor and the secondary education advisor in the School of Education Office of Student Services.

Sample Minors/Double-Majors

Often, UNCG students may be interested in pursuing a second major or a minor to complement their major. If this is of interest to you, be sure to discuss it with your advisor early on. Some possible minors or majors to consider include:

- Biology
- Environmental Studies
- Education