

CHEMISTRY AND BIOCHEMISTRY, PH.D.

The Ph.D. in Chemistry and Biochemistry requires 56 credit hours in advanced chemical and biochemical course work and a dissertation culminating from extensive laboratory research experience carried out under the direction of a faculty advisor. The student gains experience in professional speaking by giving public oral scientific presentations through the departmental seminar program. The successful candidate will be well prepared for industrial or academic research careers in chemistry or biochemistry.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a one-page personal statement by the appropriate deadline to be considered for Fall or Spring admission.

A minimum of a B.S. in Chemistry, Biochemistry, or related field is required.

Degree Program Requirements

Required: 56 credit hours minimum

Code	Title	Credit Hours
Research Techniques (25 credits minimum) ¹		
CHE 720	Introduction to Graduate Research	1
Select a minimum of 24 credits from the following:		24
CHE 780	Research Problems in Chemistry and Biochemistry	
CHE 799	Dissertation Research in Chemistry and Biochemistry ²	
Seminars (2 credits)		
CHE 751	Literature Seminar	1
CHE 752	Dissertation Seminar	1
Electives (18 credits minimum) ¹		
Select a minimum of 18 credits of electives ³		18
Total Credit Hours		56

¹ Students must select additional credits from Research Techniques and/or Electives sufficient to complete the 56 total credit hours required for the program.

² A minimum of 12 credits in CHE 799 is required.

³ In approved (by the Department Graduate Studies Committee and student's research advisor) elective graduate courses in chemistry, biology, mathematics or physics. Students who plan to pursue employment in industry are encouraged to enroll in CHE 790 Chemistry and Biochemistry Internship .

- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

* General information about milestones for doctoral programs is available in Section III (<https://catalog.uncg.edu/academic-regulations-policies/graduate-policies/#sectioniiiisummaryofgraduateschoolregulationsforallcertificatesanddegreestext>) of the Graduate Policies (<https://catalog.uncg.edu/academic-regulations-policies/graduate-policies/>) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

Required Milestones*

- Residency (Immersion)
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal