

Approved Program of Study for Undergraduate Minors
 Georgia Institute of Technology
 Office of the Registrar
 2016 - 2017
 Minor in Biochemistry

Please type or print in ink:

Name (first/last):	GT Student ID Number:
GT Email Address:	Daytime Phone:
Major:	Anticipated Graduation Date:

In addition to the guidelines listed below, you are responsible for reviewing and following the general guidelines for minors: <http://www.catalog.gatech.edu/academics/minorguide.php>

The Biochemistry minor must comprise at least 15 credit hours of **approved** biochemistry related courses and must comprise CHEM 4511 and CHEM 4512 and at least 6 credit hours upper-division coursework (numbered 3000 or above). **See page 2 for additional course option information.**

A maximum of 3 credit hours of Special Topics (in biochemistry) courses may be included in the minimum 15 credit hours of a minor program and a maximum of 3 credit hours of CHEM 4699 (Independent Research) may be used toward the minor.

A maximum of 3 semester hours of transfer credit may be used to satisfy the course requirements for a minor. This includes courses taken at another institution or credit earned through the AP or IB program, assuming the scores meet Georgia Tech minimum standards.

All courses counting toward the minor must be taken on a letter-grade basis and must be completed with a grade of C (2.00) or better.

It is the **major advisor's responsibility** to verify that students are using only courses from the designated block(s) from the student's major field of study that are allowed to satisfy a minor program, that they are not using any Core Area A-E courses (including humanities and social sciences), and that they are not using any courses for more than one minor or certificate. Any free elective course used to satisfy the course requirements of the student's major degree program may also be used to satisfy the course requirements for a minor.

List the courses completed for the requested minor:

Course	Course Title	Credit Hours	Grade	Semester Completed
CHEM 4511		3		
CHEM 4512		3		
		3		
		3		
		3		

Student signature:
Major school signature:
Minor school signature:

SCHOOL OF CHEMISTRY AND BIOCHEMISTRY

BIOCHEMISTRY MINOR DEGREE PROGRAM

The Biochemistry minor must comprise at least 15 credit hours of *approved* biochemistry related courses and must comprise CHEM 4511 and CHEM 4512 and at least 6 credit hours upper-division coursework (numbered 3000 or above)

- 1) Courses at the 1000 level may NOT be used toward the minor.
- 2) A maximum of 3 credit hours of Special Topics (in biochemistry) courses may be included in the minimum 15 credit hours of a minor program.
- 3) A maximum of 3 credit hours of CHEM 4699 (Independent Research) may be used toward the minor.
- 4) All courses counting toward the minor must be completed with an overall average GPA of at least 2.0.
- 5) All courses counting toward the minor must be completed with on a letter grade basis.
- 6) A maximum of 3 semester hours of transfer credit may be used to satisfy the course requirements for a minor. This includes courses taken at another institution or credit earned through the AP or IB program, assuming the scores meet Georgia Tech minimum standards.
- 7) It is the **major advisor's responsibility** to verify that students are using only courses from the designated block(s) from the student's major field of study that are allowed to satisfy a minor program, that they are not using any Core Area A-E courses (including humanities and social sciences), and that they are not using any courses for more than one minor or certificate. Any free elective course used to satisfy the course requirements of the student's major degree program may also be used to satisfy the course requirements for a minor.

The 15 credit hours applied to the Biochemistry Minor must be comprised of CHEM 4511 and 4512 and 9 hours of any combination of the courses (3 semester hour each) listed below and still meet requirements 1-6 above. If CHEM 2312 is a major degree requirement (item 6 above), one of the following approved chemistry courses may be substituted.

CHEM 2312	Organic Chemistry II (*pre-requisite to CHEM 4511) or
CHEM 2313	Bioorganic Chemistry (*pre-requisite to CHEM 4511)
CHEM 3411	Physical Chemistry I (**pre-req to CHEM 4521)
CHEM 4511	Biochemistry I
CHEM 4512	Biochemistry II
CHEM 4521**	Biophysical chemistry
CHEM 4699	Independent Research
CHEM 4765	Drug Design, Development, and Delivery (pre-req CHEM 3511 or 4511)
CHEM 4803	Special Topics (with approval of Director, Undergraduate Studies)
CHEM 65XX	Graduate level biochemistry courses
CHEM 85XX	Graduate level biochemistry courses

Contact minor@chemistry.gatech.edu for further information or questions.
Georgia Institute of Technology- Minor in Biochemistry

Approved by School of Chemistry and Biochemistry , UCC 11-16-2016