



UNIVERSITY OF NORTH TEXAS™
DEPARTMENT OF BIOLOGICAL SCIENCES

BS- Biochemistry Degree

for Catalog Year 2022-2023

Biological Sciences Advising Office Information

Location: Life Science Complex A128 (*enter via atrium*)

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Staff Advisor: Brandy Ellis

Student & Program Coordinator: Luis Revilla Mata

Bachelor of Science with a major in Biochemistry

The BS-Biochemistry requires a minimum of 120 semester hours, of which 36 must be advanced (courses numbered 3000 and higher). Please note that to declare a major within the College of Science, students must be algebra proficient.

Foundation Course Requirements

Students in the BS-Biochemistry must complete the following courses with a C or better and at least a 2.5 overall GPA in these courses in order to take advance coursework for the degree.

Biology Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ BIOL 1710	Biology for Science Majors I	3	BIOL 1306 or 1406
___ BIOL 1760	Biology for Science Majors Lab	2	
*Student can take BIOL 1750 (Introductory Biology Research Laboratory I) in place of BIOL 1760			

At least one of the following:

___ BIOL 1720	Biology for Science Majors II	3	BIOL 1307 or 1407
___ BIOL 2041/2042	Microbiology with Laboratory	4	BIOL 2421

Chemistry Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ CHEM 1410/1430	Chemistry for Science Majors I with lab	4	CHEM 1411
___ CHEM 1420/1440	Chemistry for Science Majors II with lab	4	CHEM 1412
___ CHEM 2370/3210	Organic Chemistry I with lab	4	CHEM 2423

Math Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ MATH 1650	Pre-calculus	5	MATH 2312 or 2412

Other Degree Requirements

Students in the BS-Biochemistry must complete the following courses in addition to the required CORE courses to graduate with the degree. For questions about CORE requirements, please contact an academic advisor at 940.369.8606.

Technical Writing Course:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ TECM 2700	Technical Writing	3	ENGL 2311

Major Requirements

Students in the BS-Biochemistry must complete the following courses with a C or better and at least a 2.0 overall GPA in these courses in order to graduate with the degree.

Math Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ MATH 1710	Calculus I	4	MATH 2413 or 2513
___ MATH 1720	Calculus II	3	MATH 2314 or 2414

Physics Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
One of the following groups: ___ PHYS 1510/1530 & 1520/1540	Physics I & II with Calculus, with labs	8	
___ PHYS 1710/1730 & 2220/2240	Mech., Electricity & Magnet. with labs	8	PHYS 2425 & 2426

Advanced Biology Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ BIOL 3451/3452	Genetics with Laboratory	4	
___ BIOL 3510/3520	Cell Biology with Laboratory	4	

Advanced Biology Electives:

___ Students must complete 4 hours of advanced biology electives. Please see the undergraduate catalog to ensure the selected courses counts in the B.S. Biochemistry degree. The 4 hours must be 1 lecture with associated lab.

Additional Chemistry Courses:

<u>UNT Course #</u>	<u>Course Name</u>	<u>Hrs.</u>	<u>TCCN #</u>
___ CHEM 2380/3220	Organic Chemistry II with lab	4	CHEM 2425
___ CHEM 3451/3452	Quantitative Analysis with Lab	4	
___ CHEM 3510	Physical Chemistry I	3	
___ CHEM 3520	Physical Chemistry II	3	
___ BIOC 4540	Biochemistry I	3	
___ BIOC 4550	Biochemistry II	3	
___ BIOC 4560	Biochemistry Laboratory	2	
___ BIOC 4570/4580	Biochem. & Mol. Biol. of Gene with lab	5	

Additional Notes:

This document is a tool to assist students but is not the official record. Please see the undergraduate catalog (catalog.unt.edu) for the official requirements, including CORE and overall university requirements. If you have questions, please see an advisor.

Please be aware that pre-requisites may apply to certain courses. Pre-requisites are subject to change and will be enforced.