

Year 1
Fall Semester

Course	Credit Hours
*BIO 1410 Intro to Biology I	4
*CHE 1415 General Chemistry I	4
ENG 1301 Comp I	3
MAT 1302 College Algebra	3
ASE 1111 Freshman Success Experience	1
SPC 1301 Fund of Speech	3
Total Semester Hours # 18	

Spring Semester

Course	Credit Hours
*BIO 1420 Intro to Biology II	4
*CHE 1416 General Chemistry II	4
ENG 1302 Comp II	3
EXS 1220 Basic Concepts of Wellness	2
FAR, MUS or THA (Fine Arts GEC)	3
Any Social Literacy (GEC)	3
Total Semester Hours # 19	

Year 2
Fall Semester

Course	Credit Hours
BIO 2441 Microbiology	4
BIO 2320 Biostatistics	3
Any Social Literacy (GEC)	3
ENG 23XX Literature (GEC)	3
*PHY 1401 University Physics I	4
Total Semester Hours # 17	

Spring Semester

Course	Credit Hours
BIO 2424 Evolution and Ecology	4
ENG 3312 Writing in the Natural Sciences	3
REL 13XX (GEC)	3
*PHY 1402 University Physics II	3
MAT 1310 or 1324	3
Total Semester Hours # 16	

Year 3
Fall Semester

Course	Credit Hours
BIO 3431 Molecular Genetics	4
HIS 2324 Fund of Modern American History	3
CHE 2416 Organic Chemistry I	4
BIO 3470 Conservation Biology	4
BIO 3352 Research Methods in Biology	3
Total Semester Hours # 18	

Spring Semester

Course	Credit Hours
BIO 4412 Molecular Biology	4
CHE 2417 Organic Chemistry II	4
BIO 4351 Senior Research in Biology	3
BIO 4426 Infection and Immunity	4
CHE 4426 Biochem I	4
Total Semester Hours # 19	

Year 4
Fall Semester

Course	Credit Hours
Total Semester Hours #	

Spring Semester

Course	Credit Hours
Total Semester Hours #	

*BIO 1410, 1420, CHE 1415, 1416, PHY 1401, 1402 may be used to satisfy GEC.

Texas Wesleyan students who have completed fewer than 30 hours of undergraduate coursework and who meet state residency requirements may apply to University of Texas Health Science Center at San Antonio (UTHSCSA) Dental School for admission into this program. If accepted, the student will complete a three-year course of study at Texas Wesleyan University and satisfy the GPA and exam requirements of this program in order to start four years of dental school at the University of Texas Health Science Center at San Antonio (UTHSCSA).

Following successful completion of the 3+4 program, the student will be awarded the B.S. degree from Texas Wesleyan University (after one year of dental school) and the D.D.S. degree from UTHSCSA upon completion of the entire dental school curriculum. Contact the Department Chair for more information.

The Biology Core consists of [BIO 1410](#), [BIO 1420](#), [BIO 2320](#), [BIO 2424](#), and [BIO 2441](#). To enroll in any advanced biology course (3000 level or higher), students must have completed the Biology Core and General Chemistry (Chemistry 1415 and 1416) or their transfer equivalents with a grade of C or better in each of the courses listed above. Additional course-specific prerequisites will still apply.

Students are required to complete elective hours in Advanced Biology during their first year at UTHSCSA. Electives will be required if the student has not met a minimum of 120 hours in the program.

BIO - Biology

- [BIO 1403 Fundamentals of Science](#)
- [BIO 1406 Contemporary Biology](#)
- [BIO 1407 Animal Life](#)
- [BIO 1408 Plants & Human Affairs](#)
- [BIO 1409 Cracking the Code: A User's Guide to Human Genetics](#)
- [BIO 1410 Introduction to Biology I](#)
- [BIO 1413 Local Spring Flora](#)
- [BIO 1414 Cats, Chromosomes & Codons](#)
- [BIO 1415 Exploring Human Biology](#)
- [BIO 1420 Introduction to Biology II](#)
- [BIO 2199 Special Topics](#)
- [BIO 2320 Biostatistics](#)
- [BIO 2399 Sp Topics Biology Statistics](#)
- [BIO 2401 Human Anatomy & Physiology I](#)
- [BIO 2402 Human Anatomy & Physiology II](#)
- [BIO 2424 Evolution & Ecology](#)
- [BIO 2441 Microbiology](#)
- [BIO 3150 Projects in Biology](#)
- [BIO 3350 Independent Study](#)
- [BIO 3352 Research Methods in Biology](#)
- [BIO 3352H Research Methods in Biology Honors](#)
- [BIO 3431 Molecular Genetics](#)
- [BIO 3431H Molecular Genetics Honors](#)
- [BIO 3470 Conservation Biology](#)
- [BIO 3470H Conservation Biology Honors](#)
- [BIO 4120 Biology Certificate Exam Review](#)
- [BIO 4199 Special Topics](#)
- [BIO 4199L Special Topics Lab](#)
- [BIO 4351 Senior Research in Biology](#)

- [BIO 4351H Senior Research in Biology](#)
- [BIO 4393 Internship I](#)
- [BIO 4394 Internship II](#)
- [BIO 4412 Molecular Cell Biology](#)
- [BIO 4412H Molecular Cell Biology](#)
- [BIO 4426 Infection and Immunity](#)
- [BIO 4426H Infection and Immunity](#)
- [BIO 4499 Special Topics](#)