



**Level 2 Certificate in Biotechnology to
Bachelor of Applied Arts and Sciences
Guided Pathway**
Effective beginning with the 2019-2020 catalog



**BACHELOR OF
APPLIED ARTS
& SCIENCES**
Experience
Discovery
Collaboration
Application

First Year - Collin College

(Developmental coursework may be required.)

| FIRST SEMESTER | SECOND SEMESTER |
|---|--|
| ENGL 1301 Composition I (3 CH) (010) | ENGL 2311 Technical and Business Writing (3 CH) (010) |
| BIOL 1406 Biology for Science Majors (4 CH) (030) | BIOL 1415 Intro to Biotechnology II (4 CH) |
| BIOL 1414 Intro to Biotechnology I (4 CH) | MATH 1314 College Algebra (3 CH) (020) |
| History (see list below) (3 CH) (060) | History (see list below) (3 CH) (060) |
| | BITC 1340 Quality Assurance for the Biosciences (3 CH) |
| 14 credit hours | 16 credit hours |

Second Year - Collin College

Apply to UNT a full semester before you plan to transfer, providing a copy of this pathway document is recommended.

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| CHEM 1411 General Chemistry I (4 CH) (030) | BTIC 2411 Biotechnology Laboratory Instrumentation (4 CH) |
| BITC 2441 Molecular Biology Techniques (4 CH) | BITC 2386 Internship-Bio/Biotech Lab Technician (4 CH) |
| BIOL 2416 Genetics (4 CH) | BITC 2431 Cell Culture Techniques (4 CH) |
| BTIC 1350 Bioethical Issues (3 CH) | BTIC 2350 Bioinformatics (3 CH) |
| 15 credit hours | 15 credit hours |

Certificate Level 2 in Biotechnology

Third Year - University of North Texas

Students must fulfill UNT admissions requirements which can be found on the UNT website.

| FIRST SEMESTER | SECOND SEMESTER |
|--|--|
| BAAS 3020 - Inquiry and Discovery | BAAS 3000 – Pathways to Civic Engagement |
| ^c Fine Arts course | ^c Humanities course 3XXX-4XXX |
| ^c PSCI 2305 – American Gov't: Process & Policies (GOVT 2305) | ^c PSCI 2306 - US and Texas Constitutions and Institutions (GOVT 2306) |
| BIOL 1112 – Contemporary Biology | BIOL 2301/2311 – Anatomy & Physiology I |
| BIOL 1132 – Environmental Science | 3XXX-4XXX Concentration 2 |
| | |

Fourth Year – University of North Texas

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| ^c HIST 2620 – US History to 1865 (HIST 1302) | BAAS 4100 - Managing a 21 st Century Career |
| ^c Social and Behavioral Sciences course 3XXX-4XXX | ^c Component Area Option 3XXX-4XXX |
| ^c Component Area Option 3XXX-4XXX | Elective 3XXX-4XXX |
| BIOL 2302/2312 – Anatomy & Physiology II | 3XXX-4XXX Concentration 2 |
| 3XXX-4XXX Concentration 2 | 3XXX-4XXX Concentration 2 |
| | |

Contact your advisor at UNT for information about applying for your Bachelor's degree.

[^] Occupational Specialization in Biotechnology

[&] Concentration in Biology

[%] Concentration in Data Collection and Analysis

[#] Concentration in Technical Communication

History – choose two from: **HIST 1301, 1302, 2301**

This plan provides a model for completion of this CC/UNT program in eight semesters. Timeline adjustments can be made for an individual student's needs. Check Collin College and UNT catalogs for course prerequisites and schedules for course offerings.

UNT Concentrations:

This plan illustrates one possible concentration. However, there are other possible concentrations that can be selected in conjunction with your academic advisor.

*For questions about the University portion of this degree plan, contact the UNT
Applied Arts and Sciences Unit Office at (940) 369-8129, baas@unt.edu
<http://baas.unt.edu>*