### Bachelor of Arts with a major in Biochemistry

#### 2022 - 2023 Degree Requirements Checklist

**College of Science Admission Requirement**

Students must demonstrate proficiency in College Algebra by placing into Math Level 2 or higher through the UNT Math Placement Exam OR completing College Algebra or higher with a grade of C or higher.

**Foundation Course Requirements**

Students must complete the following courses with a C or higher and at least a 2.5 overall GPA in these courses to take advanced coursework for the degree:

- BIOL 1710: Biology for Science Majors I (3hrs)
- BIOL 1760: Biology for Science Majors Lab (2hrs)
- One of the following:
  - BIOL 2041 & 2042: Microbiology & Lab (4hrs)
  - BIOL 1720: Biology for Science Majors II (3hrs)
- CHEM 1410 & 1430: General Chemistry I & Lab (4hrs)
- CHEM 1420 & 1440: General Chemistry II & Lab (4hrs)
- CHEM 2370 & 3210: Organic Chemistry I & Lab (4hrs)
- MATH 1650: Pre-Calculus (5hrs)

**Major Requirements**

Students must complete the following courses with a C or higher and at least a 2.0 overall GPA in these courses to graduate with the degree.

- CHEM 2380 & 3220: Organic Chemistry II & Lab (4hrs)
- CHEM 3451 & 3452: Quantitative Analysis & Lab (4hrs)
- CHEM 3530: Physical Chemistry for Life Science (4hrs)
- One of the following:
  - BIOL 3621 & 3622: Principles of Biochemistry & Lab (4hrs)
  - BIOL 4540 and BIOL 4550: Biochemistry I & II (6hrs)
- BIOC 4570 & 4580: Biochem & Molecular Bio of the Gene & Lab (5hrs)
- BIOL 3510 & 3520: Cell Biology & Lab (4hrs)
- Eight hours of advanced biology courses with associated labs

**Other Required Courses for Degree**

- MATH 1710: Calculus I (4hrs)
- PHYS 1510 & 1530: General Physics I with Calculus & Lab (4hrs)
- PHYS 1520 & 1540: General Physics II with Calculus & Lab (4hrs)
- TECM 2700: Technical Writing (3hrs) (double-dips with core)

**Minor Requirements**

All Biochemistry majors are awarded a Biology minor after completing their required biology courses within their degree requirements. Students can choose to add additional minors.

**College Requirements**

- One of the following:
  - COS Breadth – Students can complete 12 hours from any subject outside of the College of Science. (May not also apply to University Core)
  - Foreign Language – Students must demonstrate proficiency through the 2050 level in one language: Arabic, Chinese, French, German, Italian, Japanese, Latin, Russian, Spanish, or American Sign Language

**University Core Requirements**

Communication – English Composition and Rhetoric (6hrs total) C or higher required for English core
- ENGL 1310: First-Year Writing I (3hrs)
- TECM 2700: Technical Writing (3hrs) (double-dips with major)

Mathematics (at least 3hrs total)
- Double-dips with major requirement

Laboratory Sciences (at least 6hrs total)
- Double-dips with major requirement

Creative Arts (3hrs total)
- See catalog or online degree audit for acceptable options

Language, Philosophy, & Culture (3hrs total)
- See catalog or online degree audit for acceptable options

American History (6hrs total)
- HIST 2610: US History to 1865 (3hrs)
- HIST 2620: US History since 1865 (3hrs)

Government/Political Science (6hrs total)
- PSCI 2305: (3hrs)
- PSCI 2306: (3hrs)

Social & Behavioral Sciences (3hrs total)
- See catalog or online degree audit for acceptable options

Component Area Option (6hrs total)
- Double-dips with major requirement

**Additional University Requirements**

- Minimum of 120 total hours
- Minimum of 36 advanced hours
  - A minimum of 5 hours of advanced electives are needed to meet university requirement
- Minimum 2.000 UNT GPA
- Minimum 2.000 Overall GPA