# Bachelor of Arts with a major in Physics

## 2020-2021 Checklist

### University Core Requirements

**Communication (English Composition):**
- ENGL 1310: College Writing I
- ENGL 1320: College Writing II or TECM 2700: Technical Writing

**Creative Arts:**
- *Choose from Catalog

**Language, Philosophy, & Culture:**
- *Choose from Catalog

**American History to 1865:**
- HIST 2610

**American History since 1865:**
- HIST 2620

**Federal Government/Political Science:**
- PSCI 2305

**State Government/Political Science:**
- PSCI 2306

**Social & Behavioral Sciences:**
- *Choose from Catalog

**Math, Science, & Component Area core requirements will be completed with major courses.**

### College of Science Requirements

- **Algebra Proficiency**
  - To be admitted into the College of Science, students must complete College Algebra with a grade of C or higher OR demonstrate proficiency through a math placement exam.

- **Foreign Language Requirement Options**
  - Must demonstrate proficiency at the 2050 level in one language:
    - Arabic, Chinese, French, German, Italian, Japanese, Latin, Russian, Spanish, or American Sign Language
  - OR
  - COS Breadth
  - Students can complete 12 hours from subjects outside of the College of Science. *(May not also apply to University Core.)*

### Major Requirements

- PHYS 1710 & 1730: Mechanics & Laboratory OR
- PHYS 1410 & 1430 & 1420 & 1440: General Physics I & II & Laboratories OR
- PHYS 1510 & 1530: General Physics I with Calculus & Laboratory OR
- PHYS 1520 & 1540: General Physics II with Calculus & Laboratory OR
- PHYS 3010 & 3030: Modern Physics & Laboratory
- 15 additional hours of advanced physics

### Required Courses for Degree

- **MATH 1710:** Calculus 1
- **MATH 1720:** Calculus 2
- **MATH 2730:** Multivariable Calculus
- **CHEM 1410 & 1430:** General Chemistry I & Laboratory
- **CHEM 1420 & 1440:** General Chemistry II & Laboratory

### Minor Requirements

- Minor is optional.

### Additional Requirements

- Minimum 2.5 GPA on all advanced science and math courses
- Minimum of 120 total hours
- Minimum of 36 advanced hours
- Check with an advisor to see if electives are necessary to reach minimums

---

**College of Science Advising Center**

Hickory Hall 283; (940) 369-8606; COSAdvising@unt.edu

This is an unofficial simplified checklist effective Fall 2020. Degree requirements are subject to change, please check with an advisor for any updates.