

**Bachelor of Arts:
Major in PHYSICS
2013-2014 Catalog Year**

Requirements

- 120 total semester hours
 - A minimum of 30 hours must be completed at UNT
- 42 advanced hours
 - 24 advanced hours must be completed at UNT, including 12 advanced hours earned at UNT in major
- A minimum of 27 hours in major
- A minimum 2.5 GPA in all advanced-level science and mathematics courses required for the degree.

University Core Requirements

English: 6 hours

ENGL 1310/1313, TECM 1700 _____

ENGL 1320/1323, TECM 2700 _____

Math: 3 hours

MATH 1710 _____

Laboratory Sciences: 2 courses

CHEM 1410/1430 _____

CHEM 1420/1440 _____

Visual and Performing Arts: 3 hours

Choose from approved list _____

Humanities: 3 hours

Choose from approved list _____

US History: 6 hours

HIST 2610 _____

HIST 2620 _____

American Government: 6 hours

PSCI 1040 _____

PSCI 1050 _____

Social and Behavioral Sciences: 3 hours

Choose from approved list _____

Discovery: 3 hours

See approved list _____

Capstone: 3 hours

See attached handout for University Core requirements approved list

Academic Advising

To schedule an appointment with a CAS Academic Advisor, please call 940-565-2051.

Undergraduate Advisor: Cheryl Lawler clawler@unt.edu

Arts and Sciences Requirements

Laboratory Science:

1 course in addition to the University Core: course must be in Natural & Life Sciences _____

Foreign Language:

6 hours in one language, in addition to University Core: prerequisites for LANG 2040 & 2050 are 1010 & 1020, or placement.

(Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Portuguese, Russian, Spanish, or American Sign Language)

2040 _____ 2050 _____

See attached handout for College of Arts and Sciences requirements approved list

Major Requirements

PHYS 1710/1730 Mechanics + Laboratory
or PHYS 1510/1530

or PHYS 1410/1420 and 1420/1440

PHYS 2220 Electricity & Magnetism + Laboratory
or PHYS 1520/1540

PHYS 3010/3030 Modern Physics + Laboratory

Select 15 hours advanced-level physics courses from those listed below:

PHYS 3210 Mechanics

PHYS 3220 Mechanics II

PHYS 3310 Math Methods in Physical Science

PHYS 3420 Electronics

PHYS 4110 Statistical & Thermal Physics

PHYS 4210 Electricity & Magnetism

PHYS 4310 Quantum Mechanics

PHYS 4150 Experimental Physics I

PHYS 4160 Experimental Physics II

PHYS 4170 Experimental Physics III

PHYS 4220 Electromagnetic Waves

PHYS 4350 Advanced Modern Physics I – Atomic & Molecular
PHYS 4360 Advanced Modern

Physics II – Nuclear & Particle

PHYS 4420 Physical Optics

PHYS 4500 Introduction to Solid-State Physics

PHYS 4520 Physics of Nano-scale Materials

PHYS 4550 Modern Classical Dynamics

PHYS 4600 Computer Based Physics

PHY

PHY

Additional BA Degree Requirements

MATH 1710 Calculus I

MATH 1720 Calculus II

MATH 2730 Multivariable Calculus

CHEM 1410/1430 General Chemistry I + Laboratory

CHEM 1420/1440 General Chemistry II + Laboratory