

**Bachelor of Science:
Major in PHYSICS, Option I
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 in your major
- A minimum of 46 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 approved list (PHYS 4955 recommended)

See attached handout for University Core requirements approved list

Major Requirements

PHYS 1710/1730	Mechanics + Laboratory
PHYS 2220	Electricity & Magnetism + Laboratory
PHYS 3010/3030	Modern Physics + Laboratory
PHYS 3210	Mechanics
PHYS 3310	Math Methods in Physical Science
PHYS 3420	Electronics
PHYS 4110	Statistical & Thermal Physics
PHYS 4210	Electricity & Magnetism
PHYS 4310	Quantum Mechanics
PHYS 4950	Physics Senior Thesis
PHYS 4955	Physics Senior Thesis Capstone

Select 9 hours advanced-level physics courses from those listed below:

PHYS 3220	Mechanics II
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
PHYS 4650	Introduction to Modern Astrophysics
PHYS 4710	Foundations of Theoretical Physics

Additional BS Degree Requirements

MATH 1710	Calculus I
MATH 1720	Calculus II
MATH 2700	Linear Algebra & Vector Geometry
MATH 2730	Multivariable Calculus
MATH 3410	Differential Equations I
CHEM 1410/1430	General Chemistry I + Laboratory
CHEM 1420/1440	General Chemistry II + Laboratory
CSCE 1020	Program Development

Academic Advising

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

Undergraduate Advisor: Cheryl Lawler

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