

Physics Minor Course Requirements

Offers a deeper view into the discipline for students exposed to physics as part of their allied requirements. The three-course elective path beyond the introductory sequence provides a student with a chance to explore physics. For more information please see www.stthomas.edu/physics

Minor Required Courses:

PHYS 211	Introduction to Classical Physics I	(4 credits)
PHYS 212	Introduction to Classical Physics II	(4 credits)
Plus		
Eight additional Physics elective credits		(8 credits)
Plus		
Four additional Physics or Allied elective credits		(4 credits)

Physics Elective Courses:

One of		
PHYS 104	Astronomy	(4 credits)
PHYS 105	Musical Acoustics	(4 credits)

Any PHYS course numbered 150 or above, including:

PHYS 215	Foundations of Modern Physics	(4 credits)
PHYS 225	Applications of Modern Physics	(4 credits)
PHYS 323	Methods of Experimental Physics	(4 credits)
PHYS 325	Methods of Computational Physics	(4 credits)
PHYS 331	Theoretical Mechanics	(4 credits)
PHYS 341	Electricity and Magnetism	(4 credits)
PHYS 347	Optics	(4 credits)
PHYS 354	Astrophysics	(4 credits)
PHYS 410	Statistical Mechanics	(4 credits)
PHYS 431	Quantum Mechanics	(4 credits)
PHYS 491	Individual Research	(2 or 4 credits)

Allied Elective Courses: *

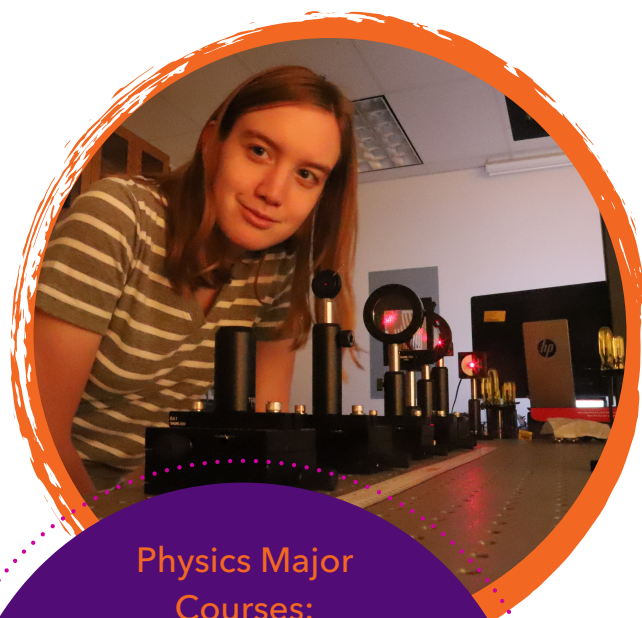
CHEM 320	Instrumental Analysis	(4 credits)
CHEM 331	Chemical Thermodynamics	(4 credits)
CHEM 332	Quantum Chemistry	(4 credits)
MATH 240	Linear Algebra	(4 credits)

Engineering courses at or above ENGR 200.

Mathematics courses at or above MATH 300.

Computer and Information Sciences courses at or above CISC 230.

* Not all possible Allied Elective courses are listed.
Check with the Physics Department Chair about specific courses.

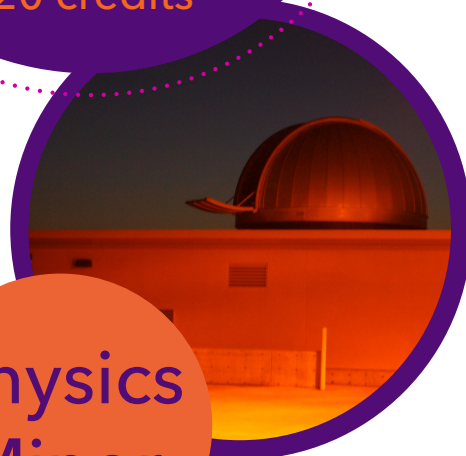


Physics Major
Courses:
8 credits

Physics Elective Courses:
8 credits

Physics/Allied Elective Courses:
4 credits

20 credits



Physics
Minor

Physics Minor Planning Guide

Please discuss your specific academic plans with a Physics advisor or with the Physics Departmental Chair.

Start with the Classical Physics sequence:

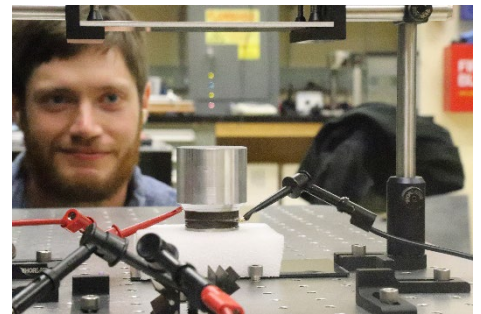
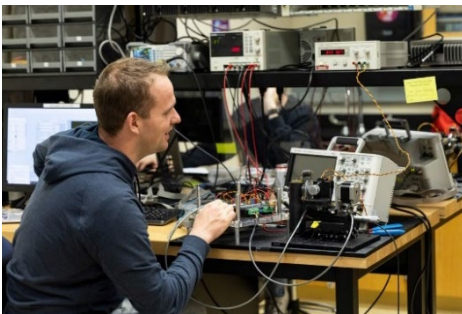
PHYS 211
PHYS 212

Then focus on:

Astrophysics	Materials	Experiment & Computation	Optics	Quantum Mechanics
PHYS 215 (Fall) <u>or</u> PHYS 225 (Spring)	PHYS 225 (Spring)	PHYS 323 (even Spring)	PHYS 215 (Fall) <u>or</u> PHYS 225 (Spring)	PHYS 225 (Spring)
PHYS 354 (odd Fall)	PHYS 347 (Fall)	PHYS 325 (odd Spring)	PHYS 347 (Fall)	MATH 240
+ 4 credits Physics <u>or</u> Allied elective	+ 4 credits Physics <u>or</u> Allied elective	+ 4 credits Physics <u>or</u> Allied elective	+ 4 credits Physics <u>or</u> Allied elective	PHYS 431 (odd Spring)

Or build-your-own Minor!

Discuss with a Physics advisor or with the Physics Departmental Chair.



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<https://www.sthomas.edu/media/officeofgeneralcounsel/policies/EOStatementNoticeofNondiscrimination-Approved20180706.pdf>.

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