



Physics

Total Credits: 50+

Department Chair: Dr. Emil Prodan
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Find the Website [here](#)

REQUIRED COURSES

Course #	Course Name	Credits
PHYS 1051C, 1052C	General Physics I & II – Lecture & Lab	8
PHYS 1221	Classical Mechanics	3
PHYS 1321	Electromagnetic Theory	3
PHYS 1340	Computational Methods in Science and Research	3
PHYS 1510	Thermodynamics and Statistical Mechanics	3
PHYS 1621	Quantum Mechanics	3
PHYS 2051	General Physics III	3
PHYS 2052	General Physics IV	3
MATH 1412, 1413*	Calculus I, Calculus II	8
MATH 1510	Multivariable Calculus	4
MATH 2105*	Linear Algebra	3

*MATH 1413 and MATH 2105 may count towards the General Ed. Elective category
MATH 2601 is highly recommended, but not required

Plus two (2) additional electives—see page 2

Plus one (1) additional course from the following electives:

Course #	Course Name	Credits
PHYS 1222	Classical Mechanics II	3
PHYS 1322	Electromagnetic Theory II	3
PHYS 1401	Introduction to Solid State Physics	3
PHYS 1810	Intermediate Experimental Physics	3

Plus one (1) additional course from the following electives:

COMP 1300C	Introduction to Computer Science	4
ENGR 2001C	Engineering Foundations	3
MATH 2651	Numerical Analysis	3
PHYS 1140	Mathematical Physics	3

Physics Minor

Total Credits: **17**

REQUIRED COURSES

Course #	Course Name	Credits
PHYS 1051C, 1052C	General Physics I and II – Lecture & Lab	8
PHYS 2051	General Physics III	3
PHYS 2052	General Physics IV	3

Plus one (1) additional course from the following electives:

PHYS 1140	Mathematical Physics	4
PHYS 1221	Classical Mechanics I	3
PHYS 1321	Electromagnetic Theory I	3
PHYS 1340	Computational Methods in Science and Research	3
PHYS 1510	Thermodynamics and Statistical Mechanics	3
PHYS 1810	Intermediate Experimental Physics	3