

Physics Program

Dr. Debing Zeng, *Chairperson*

The Physics Program is housed within the Department of Applied Science and Technology. The Department offers both a major and a minor in Physics.

Requirements for Physics Major

Degree of Bachelor of Science

Fourteen of the required credits for the major count towards the Core Curriculum Requirements.

PC-185	General Physics I (Core Natural Science)	3
PC-187	General Physics Laboratory I	1
PC-186	General Physics II (Core Natural Science)	3
PC-188	General Physics Laboratory II	1
Select one of the following:		3
PC-300	Math Methods in Physics	
MA-382	Mathematical Modeling	
MA-385	Topics in Applied Mathematics	
PC-331	Electronics	4
PC-337	Modern Physics	4
PC-344	Optics	4
PC-370	Mechanics	3
PC-374	Electricity and Magnetism I	3
PC-	Electives (300-level or above)	6
MA-143	Differential Calculus (Core Math) ¹	4
MA-144	Integral Calculus (Core Math) ¹	4
MA-273	Multivariable Calculus I	4
MA-274	Multivariable Calculus II	4
CH-131	General Chem and Qualitative Analysis 1	3
CH-131L	Gen Chem and Qualitative Analysis 1 Lab	1
PC-390	Independent Study in Physics	1
Total Credits		56

Special Notes on Core Curriculum Requirements

¹ These courses may not be taken on a Pass/Fail basis.

Special Note on Major Requirements and Electives

¹ MA-247 Introductory Linear Algebra and MA-377 Ordinary Differential Equations are highly recommended.

Requirements for a Minor in Physics

PC-185	General Physics I	3
PC-187	General Physics Laboratory I	1
PC-186	General Physics II	3
PC-188	General Physics Laboratory II	1
Select one of the following:		4
PC-331	Electronics	
PC-337	Modern Physics	
PC-344	Optics	

PC-	Electives (300-level or above)	6
Total Credits		18