

B.S. IN PHYSICS

Code	Title	Credits
Major in Physics (B.S.)		
COS 101	Introduction to Procedural Programming	2
ENR 321	Statistical Methods in Engineering	2
MAT 124M	Calculus 1 ¹	4
MAT 125	Calculus 2	4
MAT 222	Differential Equations	4
or MAT 224	Differential Equations with Linear Algebra	
MAT 223	Multivariable Calculus	4
PHY 260	Careers in Engineering and Physics Seminar	1
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
PHY 302 & PHY 303	Electronics and Electronics Lab	4
PHY 312 & PHY 313	Modern Physics and Modern Physics Lab	4
PHY 322	Mathematical Methods in Physics and Engineering	2
Choose one of the following Optical Science courses:		4
PHY 332 & PHY 333	Optics and Optics Lab	
PHY 432 & PHY 433	Laser Fundamentals and Laser Fundamentals Lab	
PHY 340	Mechanics	4
PHY 352 & PHY 353	Computer Methods in Physics and Engineering and Computer Methods in Physics and Engineering Lab	4
PHY 365	Physics Research Seminar	1
PHY 400	Electricity and Magnetism	4
PHY 410	Thermodynamics	4
PHY 440	Quantum Mechanics	4
PHY 490	Research	3
Code	Title	Credits
Major		67
General Education *		40-48
Electives		7-15
Total Credits		122

¹ Placement at MAT 124M on the Math and Computer Science department placement exam; MAT 121M, concurrent enrollment in MAT 122, or equivalent high school or college course(s) is a prerequisite for this course.

* Courses whose number is followed by a letter fulfill a General Education requirement. Students may not declare a B.A. in Physics and a B.S. in Physics.

B.S. in Physics 2

Students may not declare a B.S. in Physics and a Minor in Physics.