

# B.S. IN PHYSICS

Code	Title	Credits
<b>Major in Physics (B.S.)</b>		
COS 205	Scientific Computing	3
MAT 124M	Calculus 1 <sup>1</sup>	4
MAT 125	Calculus 2	4
MAT 222	Differential Equations	3
MAT 223	Multivariable Calculus	3
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 320	Mathematical Methods in Physics and Engineering	4
Choose one of the following Optical Science courses:		4
PHY 332 & PHY 333	Optics and Optics Lab	4
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
<b>Code</b>		
<b>Title</b>		<b>Credits</b>
Major		66
General Education		40-41
Electives		15-16
<b>Total Credits</b>		<b>122</b>

<sup>1</sup> Students may test into this course via successful completion of the Math and Computer Science department placement exam or by completing MAT 123M and the Math and Computer Science department placement exam requirements.

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

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

Courses whose number is followed by a letter fulfill a General Education requirement.