

PHYSICS, B.S.

Code	Title	Units
Lower-Division Requirements		
CHE 1052 and CHE 1052L	General Chemistry I (FE) and General Chemistry I Lab (FE)	5
EGR 1012 and EGR 1012L	Introduction to Engineering I and Introduction to Engineering I Lab	2
EGR 1023 and EGR 1023L	Introduction to Engineering II and Introduction to Engineering II Lab	3
EGR 1043 and EGR 1043L	Introduction to Computer Programming and Introduction to Computer Programming Lab	3
MTH 1064 and MTH 1064L	Calculus I (FE) and Calculus I Lab (FE)	4
MTH 1074 and MTH 1074L	Calculus II and Calculus II Lab	4
MTH 2074	Calculus III	4
PHY 2044 and PHY 2044L	University Physics I (FE) and University Physics I Lab (FE)	4
PHY 2054 and PHY 2054L	University Physics II and University Physics II Lab	4
Upper-Division Requirements		
MTH 3033	Differential Equations	3
PHY 3004 and PHY 3004L	Modern Physics and Modern Physics Lab	4
PHY 3043	Analytical Mechanics: Dynamics	3
PHY 3063	Electricity, Magnetism, and Waves I	3
PHY 3083	Electricity, Magnetism, and Waves II	3
PHY 4013	Thermodynamics	3
PHY 4053	Quantum Mechanics	3
PHY 4072	Senior Project I	2
PHY 4082	Senior Project II	2
Choose one (1) course from the following:		3
PHY 3013 and PHY 3013L	Nuclear Physics and Nuclear Physics Lab	
PHY 4063	Solid State Physics	
Elective Courses		
Complete one (1) of the following courses and the associated lab:		4
EGR 2014 and EGR 2014L	Engineering Mechanics: Statics and Engineering Mechanics: Statics Lab	
EGR 2024 and EGR 2024L	Circuit Analysis and Circuit Analysis Lab	
EGR 3034 and EGR 3034L	Mechanics of Materials and Mechanics of Materials Lab	
Total Units		66

Recommended:

Code	Title	Units
CHE 1053 and CHE 1053L	General Chemistry II and General Chemistry II Lab	4

CHE 2094 and CHE 2094L	Organic Chemistry I and Organic Chemistry I Lab	4
EGR 1054 and EGR 1054L	Objects and Elementary Data Structures and Objects and Elementary Data Structures Lab	4
MTH 2033	Linear Algebra	3