PHYSICS, B.S.

CHE 1052 General Chemistry I (FE) 5 and CHE 1052L and General Chemistry I Lab (FE) EGR 1012 Introduction to Engineering I 2 and EGR 1012L and Introduction to Engineering I Lab EGR 1023 Introduction to Engineering II 3 and EGR 1023L Introduction to Engineering II Lab EGR 1043 Introduction to Engineering II Lab EGR 1043 Introduction to Computer Programming 3 and EGR 1043L and Introduction to Computer Programming Lab MTH 1064 Calculus I (FE) MTH 1074 Calculus I Lab (FE) MTH 1074 Calculus I Lab MTH 2074 Calculus III HY 2044 University Physics I (FE) 4 and PHY 2044 University Physics I Lab (FE) HY 2054 University Physics I Lab Upper-Division Requirements MTH 3033 Differential Equations 3 PHY 3004 Modern Physics Analytical Mechanics: Dynamics 3 PHY 3004 Analytical Mechanics: Dynamics 3 PHY 3005 Electricity, Magnetism, and Waves I 3 PHY 3006 Solid State Physics 3 PHY 4063 Solid State Physics 3 PHY 4063 Solid State Physics 3 PHY 4072 Senior Project I 2 Elective Courses Complete one (1) of the following courses and the associated lab: 4 EGR 2014L EGR 3034 Mechanics of Materials Lab EGR 2024 Circuit Analysis and EGR 3034L Total Units 666	Code	Title	Units		
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EGR 3034 Mechanics of Materials and and Mechanics of Materials Lab EGR 3034L	EGR 2024 and				
and and Mechanics of Materials Lab EGR 3034L					
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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 3003	Python and UNIX	3
MTH 2033	Linear Algebra	3