

## Engineering Physics (BSE)

Environmental Literacy "E" Course

Second Language Requirement

W Requirement

First Semester	Second Semester
CHEM 1127Q General Chemistry I (4 Credits)	CHEM 1128Q General Chemistry II (4 Credits)
MATH 1131Q Calculus I (4 Credits)	MATH 1132Q Calculus II (4 Credits)
CSE 1010 Intro to Computer Programming (3 Credits)	ENGR 1166 Foundations of Engineering (3 Credits)
ENGR 1000 Orientation to Engineering (1 Credit)	PHYS 1501Q Engineering Physics 1 (4 Credits)
ENGL 1007 First-year Writing (4 Credits)	GEN ED (3 Credits)
<b>16 credits</b>	<b>18 credits</b>

Third Semester	Fourth Semester
PHYS 1502Q Engineering Physics II (4 Credits)	PHYS 2300 Development of Quantum Physics (3 Credits)
MATH 2110Q Multivariable Calculus (4 Credits)	MATH 2410Q Differential Equations (3 Credits)
CHEG 2103 Intro to CHEG (3 Credits)	CE 2110 Mechanics I (3 Credits)
MSE 2001/2101 Intro to MSE I (3 Credits)	MSE 2002/MSE 2102 Intro to MSE II (3 Credits)
PHYS 2501W Advanced Undergraduate Lab (4 Credits)	PHYS 3101 Mechanics I (3 Credits)
<b>18 credits</b>	<b>15 credits</b>

Fifth Semester	Sixth Semester
CE/ENVE 3120 Fluid Mechanics (4 Credits)	STAT 3025Q Statistical Methods (3 Credits)
ECE 2001 Electrical Circuits (4 Credits)	CE 3110 Mechanics of Materials (3 Credits)
PHYS 3401 Quantum Mechanics I (3 Credits)	ENGR Thermal Science Elective <sup>1</sup> (3 Credits)
PHYS 3201 Electricity and Magnetism 1 (3 Credits)	PHYS 3202 Electricity and Magnetism II (3 Credits)
PHIL 1104 (3 Credits)	GEN ED (3 Credits)
	GEN ED (3 Credits)
<b>17 credits</b>	<b>18 credits</b>

Seventh Semester	Eighth Semester
ENGR 4001 General Design I (3 Credits)	ENGR 4002W General Design II (3 Credits)
ENGR 2XXX Engineering Elective 2000+ (3 Credits)	ENGR 3XXX Engineering Elective 3000+ (3 Credits)
ENGR 3XXX Engineering Elective 3000+ (3 Credits)	PHYS Elective (3 Credits)
PHYS Elective (3 Credits)	Area Elective (3 Credits)
GEN ED (3 Credits)	GEN ED (3 Credits)
<b>15 credits</b>	<b>15 credits</b>

<sup>1</sup> Thermal Science Requirement: ME 2233 (Fall/Spring), MSE 3001 (Fall) or CHEG 2111 (Spring)

<b>Total Credits: 132</b>
---------------------------