

**Bachelor of Science in Engineering Physics (ME) 2014-2015**

<b>Fall Semester</b>	<b>Credits</b>	<b>Spring Semester</b>	<b>Credits</b>
<b>FRESHMAN YEAR</b>			
PHYS 1501Q - Physics for Engineers I	4	PHYS 1502Q - Physics for Engineers II	4
CHEM 1127Q - General Chemistry I	4	CHEM 1128Q - General Chemistry II	4
MATH 1131Q - Calculus I	4	MATH 1132Q - Calculus II	4
ENGR 1000 - Orientation to Engineering	1	CSE 1010 - Intro. to Computing for Engr	3
ENGL 1010 or 1011 – Seminar English Course	4	ENGR 1166 – Foundations of Engr.	3
<b>Total Credits</b>	<b>17</b>	<b>Total Credits</b>	<b>18</b>
<b>SOPHOMORE YEAR</b>			
PHYS 3101 - Mechanics I	3	PHYS 2300 - Quantum Physics	3
PHYS 2501W - Lab.	3	ME 2233 - Thermo. Prin. I	3
MATH 2110Q - Multivar. Calc.	4	MATH 2410Q - Elem. Diff. Eqns.	3
CE 2110 - Applied Mechanics I	3	CE 3110 - Mechanics of Materials	3
PHIL 1104 (CA 1)	3	General Education Course (CA 2)	3
<b>Total Credits</b>	<b>16</b>	<b>Total Credits</b>	<b>15</b>
<b>JUNIOR YEAR</b>			
PHYS 3201 - Electricity & Magnetism I	3	PHYS 3202 - Electricity & Magnetism II	3
MATH 3410 - Diff. Eqns. Appl.	3	STAT 3345Q - Prob. Mod. for Engrs.	3
ME 3250 - Fluid Dynamics I	3	ME 2234 - Applied Thermo.	3
ME 3253 Linear Systems Theory	3	ME 3220 - Dynam. Mech. Sys.	3
General Education Course (CA 1)	3	General Education Course (CA 2)	3
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>15</b>
<b>SENIOR YEAR</b>			
ME 4972 – Senior Design 1	3	ME 4973W – Senior Design 2	3
PHYS 3401- Quantum Mechanics	3	PHYS Elective	3
ME Elective	3	ME 3242 - Heat Transfer	3
ME 3227 - Machine Design	3	ME Elective	3
General Education Course (CA 4)	3	PHYS Elective	3
General Education Course (CA 4)	3		
<b>Total Credits</b>	<b>18</b>	<b>Total Credits</b>	<b>15</b>

**Total Credits (Four years) 129**

ME Electives: ME 3214, 3224, 3228, 3229, 3239, 3263, 3264, 3295  
 Physics Electives: PHYS 3300, 4210, 4140, 4150