

### Engineering-Physics Science Option (BS)

Suggested Plan of Study2015-2016 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Biological Science choice/Lab BSCI 1013/1011 or BIOL 1103/1101	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>17</b>		<b>16</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2013, PHIL 2403, or THEA 2003)	3
PHYS 2203/2201 University Physics I/Lab	4	PHYS 2213/2211 University Physics II/Lab	4
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	MATH 2753 Linear Algebra	3
ENGR 1212 Engineering Graphics	2		
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>15</b>		<b>16</b>
Fall - Semester 5		Spring - Semester 6	
ENGR 3003 Fluid Mechanics	3	ENGR 2143 Statics	3
PHYS 3054 Modern Physics	4	MATH 3033 Differential Equations	3
PHYS 4013 Optics	3	PHYS 3033 Electricity and Magnetism I	3
PHYS 4043 Analytical Mechanics	3	PHYS 3113 Advanced Physics Laboratory	3
Elective	3	Engineering or Physics Elective	3
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>16</b>		<b>15</b>
Fall - Semester 7		Spring - Semester 8	
CSCI 2103 Computer Science I	3	CSCI 2113 Computer Science II	3
ENGR 3013 Thermodynamics	3	ENGR 3023 Heat Transfer	3
ITEC 3073 Engineering Economic Analysis	3	UL Physics Elective	3
ENGR 3102 Solid Mechanics Lab	2	ENGR 3112 Thermal Fluid Science Lab	2
ENGR 2033 Electrical Circuits I	3	UL Elective	3
<b>Total Semester Hours</b>		<b>Total Semester Hours</b>	
	<b>14</b>		<b>14</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.