

Engineering Physics Science Option (B.S.)

Suggested Plan of Study		2011-2012 Catalog	
Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3
Social Science choice (ECON 2103 or FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, or SOC 1003 or 2003)	3	Social Science choice (ECON 2103 or FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, or SOC 1003 or 2003)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II	3	MATH 1545 Calculus II	5
PHED 1501 Concepts of Physical Activity and Wellness	1	BSCI 1013/1011 Biological Science/Lab or BIOL 1103/1101 Introduction to Biology	4
GSTD 1002 Freshman Seminar	2		
Total Semester Hours	17	Total Semester Hours	18
Fall - Semester 3		Spring - Semester 4	
Literature/Philosophy (ENGL 2213, ENGL 2223, PHIL 2403)	3	Literature/Philosophy (ENGL 2213, ENGL 2223, PHIL 2403)	3
PHYS 2203/2201 University Physics I/Lab	4	PHYS 2213/2211 University Physics II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
ENGR 1212 Graphics	2	MATH 2753 Linear Algebra	3
SPCH 1113 Introduction to Public Speaking	3	ENGR 2033 Electrical Circuits I	3
Total Semester Hours	16	Total Semester Hours	17
Fall - Semester 5		Spring - Semester 6	
PHYS 3054 Modern Physics	4	MATH 3033 Differential Equations	3
PHYS 4013 Optics	3	Engineering Elective	3
Humanities choice (ART 2013, HUM 2003, MUS 201, THEA 2003 or Foreign Language)	3	PHYS 3033 Electricity and Magnetism I	3
Technical Elective	2-3	PHYS 3113 Advanced Physics Laboratory	3
ENGR 3003 Fluid Mechanics	3	UL Engineering Elective	4
PHED 1 1 PE Activity	1		
Total Semester Hours	16-17	Total Semester Hours	16
Fall - Semester 7		Spring - Semester 8	
PHYS 4043 Analytical Mechanics	3	Physics Elective	3
CSCI 2103 Computer Science I	3	CSCI 2113 Computer Science II	3
Technical Elective	2	ENGR 3023 Heat Transfer	3
Humanities choice (ART 2013, HUM 2003, MUS 2013 or THEA 2003)	3	ITEC 3053 Industrial Economics	3
ENGR 3013 Thermodynamics	3	Technical Elective	3
Total Semester Hours	14	Total Semester Hours	15

Total hours required for major – 129-130

Engineering Electives

Electives to be approved by advisor.

*Note: Must have six hours of history. Three hours must be World History I or II and three hours of U.S. History I or II OR six hours of World History as well as the social science choice - American Government: National.