

**Engineering Physics
Science Option**

Suggested Plan of Study

2007-2008 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	HIST 2013 or 2023 U.S. History I or II	3
HIST 1003 or 1013 World History I or II	3	Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003, or ECON 2103)	3
GSTD 1002 Freshman Seminar	2	MATH 1545 Calculus II	5
Social Science choice (GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or 2003, or ECON 2103)	3	Biological Science/Lab (BSCI 1013/1011, BIOL 1013/1011, BIOL 1023/1021, BIOL 1033/1031)	4
PHED 1501 Activity & Wellness	1		
Total Semester Hours	17	Total Semester Hours	18
Fall - Semester 3		Spring - Semester 4	
ENGL 2213 World Literature I	3	ENGL 2223 World Literature II or PHIL 2403 Introduction to Philosophy	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
SPCH 1113 Introduction to Public Speaking	3	MATH 2753 Linear Algebra	3
ENGR 1212 Graphics	2	ENGR 1022 Engineering Materials & Forming Processes	2
Total Semester Hours	16	Total Semester Hours	16
Fall - Semester 5		Spring - Semester 6	
PHYS 3054 Modern Physics	4	MATH 3033 Differential Equations	3
ENGR 2143 Statics	3	ENGR 2033 Electrical Circuits I	3
ITEC 4044 Advanced Manufacturing or PHYS 4013 Optics	3	PHYS 3033 Electricity & Magnetism I	3
Humanities choice (ART 2013, MUS 2013 or Foreign Language)	3	PHYS 3112/3110 Advanced Physics Laboratory Theory/Lab	2
PHED 1__1 PE Activity	1	UL Engineering Elective	4
Total Semester Hours	14	Total Semester Hours	15
Fall - Semester 7		Spring - Semester 8	
PHYS 4043 Physical Mechanics I or PHYS 4153 Fluid Mechanics	3	PHYS 4023 Solid State Physics or PHYS 3103 Digital Electronics	3
CSCI 2103 Computer Science I	3	CSCI 2113 Computer Science II	3
Humanities choice (ART 2013, or MUS 2013)	3	UL Engineering Elective	3
Upper level math elective	3	UL PHYS Elective	4
UL PHYS Elective	2	UL Elective	3
Total Semester Hours	14	Total Semester Hours	16

Total hours required for major – 126
Engineering Electives

AGEN 2021/2022 Agriculture Metals/Lab	AGEN 3003/3001 Principles Agricultural Engineering/Lab
ENGR 2003/2001 Industrial Instrumentation/Lab	ENGR 4931-3, ENGR 4941-3, ENGR 4951-3 Advanced Topics in Engineering
ENGR 2133/2131 Electrical Circuits/Lab	PHYS 4591-2, 4691-2, 4791-2, 4891-3, and 4991-3 Independent Study in Physics (Capstone)