

Engineering Physics - Mechanical Engineering Option (BS)

Suggested Plan of Study

2014-2015 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
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
PHYS 2203/2201 University Physics I/Lab	4	PHYS 2213/2211 University Physics II/Lab	4
GSTD 1002 Freshman Seminar	2		
Total Semester Hours	18	Total Semester Hours	16
Fall - Semester 3		Spring - Semester 4	
MATH 2563 Calculus III	3	CSCI 2103 Computer Science I	3
ENGR 1021 Introduction to Engineering Lab	1	BIOL 1103/1101 University Biology I	4
ENGR 1023 Introduction to Engineering	3	ENGR 2053 Chemical Engineering Fundamentals	3
ENGR 1212 Graphics	2	ENGR 2063 Dynamics	3
ENGR 2143 Statics	3	MATH 3033 Differential Equations	3
Total Semester Hours	12	Total Semester Hours	16
Fall - Semester 5		Spring - Semester 6	
ENGR 2033 Electrical Circuits I	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
ENGR 3013 Thermodynamics	3	ENGR 3053 Properties of Materials	3
ENGR 3033 Fluid Mechanics	3	ENGR 3112 Engineering Lab II	2
ENGR 3102 Engineering Lab I	2	ENGR 4013 Engineering Design I	3
ENGR 3043 Mechanics of Materials	3	MATH 3043 Intro to Applied Probability & Statistics	3
Total Semester Hours	14	Total Semester Hours	14
Fall - Semester 7		Spring - Semester 8	
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
Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	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	ENGR 4003 Design of Engineering Experiments	3
ENGR 4023 Engineering Design II	3	ITEC 3073 Engineering Economic Analysis	3
Engineering Electives	3	Engineering Electives	4
Total Semester Hours	15	Total Semester Hours	16

Total hours required for major – 121

*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.