

Engineering Physics – Engineering Technology Option (BS)

Suggested Plan of Study 2015-2016 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
PHYS 2203/2201 University Physics I/Lab or PHYS 2003/2001 College Physics I/Lab	4	Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2013, PHIL 2403, or THEA 2003)	3
ENGR 1023/1021 Introduction to Engineering/Lab	4	Biology/Lab Choice BIOL 1103/1101 University Biology I/Lab or BSCI 1013/1011 Biological Sciences	4
MATH 2123 Applied Calculus for Technology or MATH 1525 Calculus I	3-5	PHYS 2203/2201 University Physics I/Lab or PHY 2103/2101 College Physics II/Lab	4
GSTD 1002 Freshman Seminar	2		
Total Semester Hours	16- 18	Total Semester Hours	**14
Fall - Semester 3		Spring - Semester 4	
ENGR 1212 Engineering Graphics	2	ITEC 2032 Industrial Safety	2
CHEM 1013/1011 College Chemistry I/Lab	4	Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2013, PHIL 2403, or THEA 2003)	3
ETEC 2003 Applied Statics	3	ENGR 2023 Fundamentals of Manufacturing Processes	3
AGED 2021/2022 Agricultural Metals/Lab	3	ETEC 2033 Solid Modeling and Design	3
ENGR 2033 Electric Circuits and Machines Electric	3	ETEC 2023 Programmable Logic Controller	3
Total Semester Hours	15	Total Semester Hours	**14
Fall - Semester 5		Spring - Semester 6	
World Literature I/II (ENGL 2213 or ENGL 2223)	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
ITEC 3503 Computational Methods of Industrial Technology	3	ETEC 3003 Applied Fluid Mechanics	3
ETEC 3033 Strength of Materials	3	ITEC 3803 Industrial Materials	3
ETEC 3002 Applied Mechanics Lab	2	ETEC 3013 Thermal Science	3
MATH 3043 Introduction to Applied Probability and Statistics	3	ETEC 3023 Computer Aided Design and Analysis	3
		ETEC 3012 Applied Thermal Science Lab	2
Total Semester Hours	**14	Total Semester Hours	17
Fall - Semester 7		Spring - Semester 8	
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	ITEC 3073 Engineering Economic Analysis	3
ETEC 4013 Senior Design For Technology	3	ITEC 4123 Computer Aided Manufacturing	3
ETEC 4903 Internship for Technology	3	ENGL 3003 Advanced Professional Writing	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	Technology elective	1
Electives	3-5	ETEC 4003 Heating Ventilation & Air Conditioning	3
Total Semester Hours	15- 17	Total Semester Hours	13

Total hours required for major – 123

*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.

**May affect scholarship requirements (15 hour rule)