

Engineering Physics – Engineering Technology Option (BS)

Suggested Plan of Study

2021-2022 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 1103 or ART 2013, HUM 2003, HUM 2103, MUS 2003 or MUS 2013 or MUS 2023, THEA 2003, or Foreign Language)	3
ENGR 1023 Introduction to Engineering	3	*HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
MATH 2124 Applied Calculus	4	PHYS 2203/2201 University Physics I/Lab or PHY 2103/2101 College Physics II/Lab	4
		ENGR 1021 Introduction to Engineering Lab	1
GSTD 1002 Freshman Seminar	2	WELD 1003 Welding Skills Development	3
Total Semester Hours	16	Total Semester Hours	17
Fall - Semester 3		Spring - Semester 4	
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab	4	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, HUM 2103, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013 or MUS 2023, PHIL 2403, or THEA 2003)	3
ENGR 1213 Engineering Graphics	3	ITEC 2032 Industrial Safety	2
ETEC 2003 Applied Statics	3	ETEC 2033 Solid Modeling and Design	3
AGED 2021/2022 Agricultural Metals/Lab	3	ETEC 2023 Programmable Logic Controller or ENGR 3103 Digital Electronics or ITEC 3263 Operations Management I	3
ENGR 2033 Electric Circuits I	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, HIST 1003, HIST 1013, PSCI 2003, PSYC 2003, SOC 1003, SOC 1013, or SOC 2003)	3
Total Semester Hours	16	Total Semester Hours	14
Fall - Semester 5		Spring - Semester 6	
ITEC 3503 Computational Methods	3	ITEC 3073 Economic Analysis for Technology	3
ITEC 3803 Industrial Materials	3	ENGR 3143 Manufacturing Processes	3
ETEC 3033 Strength of Materials	3	ETEC 3002 Applied Mechanics Lab	2
ETEC 3003 Applied Fluid Mechanics	3	ETEC 3013 Applied Thermal Science	3
MATH 3043 Applied Probability and Statistics I	3	ENGR 3163 Computer Aided Engineering Analysis	3
		ETEC 3012 Applied Thermal Science Lab	2
Total Semester Hours	15	Total Semester Hours	16
Fall - Semester 7		Spring - Semester 8	
UL Engineering/Technology electives	6	UL Engineering/Technology electives	8
ETEC 4013 Senior Design For Technology	3	ENGL 3023 Technical Writing	3
ITEC 4123 Computer Aided Manufacturing	3	ETEC 4003 Heating Ventilation & Air Conditioning	3
Total Semester Hours	12	Total Semester Hours	14

Total hours required for major – 120

*Note: Must have three hours of US history/government.