

### Engineering Physics - Industrial Technology Option (BS)

Suggested Plan of Study

2020-2021 Catalog

Fall – Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
Physical Science Choice/Lab (CHEM 1013/1011, CHEM 1023/1021, CHEM 1133/1131, GEOL 1003/1001, PHSC 2023/2021, PHYS 1133/1131, PHYS 2003/2001, PHYS 2133/2131, or PHYS 2203/2201)	4	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, HIST 1003, HIST 1013, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
ITEC 2023 Introduction to Industrial Technology	3	***Basic Course Elective	3
GSTD 1002 Freshman Seminar	2	***Basic Course Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
***Basic Course Elective	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003, or Foreign Language)	3	*HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
***Basic Course Elective	4	***Basic Course Elective	3
***Basic Course Elective	3	***Basic Course Elective	3
ITEC 2032 Industrial Safety	2	***Basic Course Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
ITEC 3003 Quality Control	3	**ITEC 3503 Computational Methods	3
MATH 2124 Applied Calculus	4	ITEC 3263 Operations Management I	3
***Basic Course Elective	3	MATH 3043 Introduction to Applied Probability and Statistics I	3
***Basic Course Elective	3	Work Experience or UL Technical Elective	3
***Basic Course Elective	3	***Basic Course Elective	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
ITEC 3043 Work Analysis: The Study of Motion, Time and Ergonomics	3	ITEC 3012 Maintenance	2
ITEC 3023 Production and Inventory Control	3	ITEC 3073 Economic Analysis for Technology	3
ITEC 3803 Industrial Materials	3	ITEC 3363 Operations Management II	3
Work Experience or UL Technical Elective	3	ITEC 4053 Lean Manufacturing	3
ITEC 4043 Advanced Manufacturing Systems	3	Work Experience or UL Technical Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>14</b>

Total hours required for Major – 120

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

\*\* Prerequisite for ITEC 3503 may be substituted with the consent of the instructor.

\*\*\*Basic Course Electives: Accounting, Agricultural Economics, Animal Science, Biology, Chemistry, Information Systems, Computer Science, Economics, Engineering, Entomology, Finance, Forestry, General Business, Geology, Industrial Technology, Mathematics, Management, Marketing, Physics, Speech, Spanish, French, Russian.