

Industrial Technology Plan-of-Study

Freshman

EGME110: Manufacturing Processes I	3	MATH140: Pre-Calculus	5
ENGL110: 1st-Year Composition I	3	ENGL111: 1st Year Composition II	3
MATH102: Intermediate Algebra	4	CSCI105: Intro. to Computer Programming	3
Tech Elective	2	COMM101: Fund. of Speech Comm.	3
CSCI101: Survey of Computer Science	<u>3</u>	Free Elective	<u>2</u>
	15		16

Sophomore

EGET110: Applied Electricity	4	EGET175: Applied Electronics	4
PHYS221: Elements of Physics I	4	CHEM108/109: Applied Chemistry & Lab	4
EGME141: Parametric Modeling	2	EGRS215: Robotics Technology I	2
EGME142: Descriptive Geometry	2	Social Science Elective	3
Tech Elective	<u>3</u>	Tech Elective	<u>3</u>
	15		16

Junior

EGRS380: Robotics Technology II	2	EGMT225: Statics & Strength of Mat. I	4
EGRS381: Robotics Technology Lab	1	EGEE125: Digital Fundamentals	4
HUMN251: Humanities I	4	EGNR265: C Programming	3
EGMT310: CNC Manufacturing Processes	4	or CSCI121: Princ. of Programming	
Free Elective	2	Technical Elective	4
Technical Elective	<u>3</u>		15
	16		

Senior

EGNR310: Adv. Quality Engineering	4	EGME240: Assy Modeling and GD&T	3
Social Science Elective	3	EGRS365: Programmable Logic Controllers	4
MATH207: Princ. of Statistical Methods	3	EGNR496*: Eng. Design Project II	3
Humanities Elective	3	ECON202: Princ. of Microeconomics	3
Technical Elective	<u>3</u>	Free Elective	<u>3</u>
	16		16

*Or EGNR450 & EGNR451

Technical Electives: 18 Credits

CSCI106, CSCI2XX, EGEE250, EGEE250, EGNR101, EGNR140, EGNR245, EGNR250, EGNR491, MATH112, EGME240, EGME275, EGME276, MGMT360, MGMT375, MGMT471, EGMT310, EGRS480, EGRS481