

Fall 1 <sup>st</sup> Year	CR	GR	Sem	Fulfilled by	Spring 1 <sup>st</sup> Year	CR	GR	Sem	Fulfilled by
CGT Selective (CGT 11000 or CGT 16300)	2				MA 16010 Applied Calculus I (Prereq: MA 15800 with C- or better)	3			
MET 14300 Materials and Processes I	3				MET 11100 Applied Statics (Prereqs: MA 15800 and MET 16200)	3			
MET 16200 Computational Anly Tools	1				MET 14400 Materials and Processes II	3			
MA 15800 Precalculus	3				MET 10200 Production Specifications (Pre-reqs: (CGT 110 or CGT 163)	3			
TECH 12000 Design Thinking in Tech.*	3				COM 11400 (SPCH-S121*IU) Fundamental of Speech Communication*	3			
English Comp Selective (ENG-W131*IU)	3								
<b>TOTAL CREDIT HOURS</b>	<b>15</b>				<b>TOTAL CREDIT HOURS</b>	<b>15</b>			

Fall 2 <sup>nd</sup> Year	CR	GR	Sem	Fulfilled by	Spring 2 <sup>nd</sup> Year	CR	GR	Sem	Fulfilled by
MET 21100 Strength of Materials (Pre-reqs: MET 11100 and MA 16010)	4				MET 21300 Dynamics (Pre-reqs: MA 16020 and MET 11100)	3			
MET 23000 Fluid Power (Pre-reqs: MET 11100 and MA 16010)	3				MET 245 Manufacturing Systems (Pre-reqs: (MET 14300 or MET 14400)	3			
MA 16021 Applied Calculus/Diff Eqns. (Pre-req: MA 16010 with grade of C- or higher	3				ECET 22400 Electronic Systems (Pre-req: MA 153 or MA 221)	3			
PHYS 22000 (PHYS-P201*IU) General Physics I	5				PHYS 22100 General Physics II* (PHYS- P202*IU) (Prereq: PHYS 21200)	5			
					Humanities Selective	3			
<b>TOTAL CREDIT HOURS</b>	<b>15</b>				<b>TOTAL CREDIT HOURS</b>	<b>17</b>			

Fall 3 <sup>rd</sup> Year	CR	GR	Sem	Fulfilled by	Spring 3 <sup>rd</sup> Year	CR	GR	Sem	Fulfilled by
MET 21400 Machine Elements (Pre-reqs: MET 21100 and MET 21300)	3				MET 28400 Intro to Industrial Controls (Pre-req: ECET 22400)	3			
MET 31300 Fluid Mechanics (Pre-reqs: MA 16021, MET 220 and MET 230)	3				MET 22000 Heat Power (Pre-reqs: PHYS 220, MA 16010 and MET 162)	3			
Programming Selective	3				MET 34600 Advanced Materials in Mfg) (Pre-reqs: MET 211, MET 245 and CHM 11100)	3			
CHM 111 General Chemistry (CHEM- C101/121* IU)	5				ENGL 42100 Technical Writing (ENG- W234*IU)	3			
Economics/Finance Selective	3				STAT 30100 (MATH-K300*IU)	3			
<b>TOTAL CREDIT HOURS</b>	<b>17</b>				<b>TOTAL CREDIT HOURS</b>	<b>15</b>			

Fall 4 <sup>th</sup> Year	CR	GR	Sem	Fulfilled by	Spring 4 <sup>th</sup> Year	CR	GR	Sem	Fulfilled by
MET 32000 Thermodynamics (Pre-reqs: MA 16010 and MET 22000)	3				MET Capstone Selective	3			
MET Elective or approved Focus Area elective	3				MET Elective or approved Focus Area elective	3			
Global/Professional Selective	3				Technical Selective or approved Focus Area elective	3			
TECH/MGMT Selective	3				Behavioral Social Science Selective	3			
IET 45100 Monetary Analysis	3				COM 32000 (SPCH-S229*IU) Small Group Discussion (Pre-req: COM 11400)	3			
<b>TOTAL CREDIT HOURS</b>	<b>15</b>				<b>TOTAL CREDIT HOURS</b>	<b>15</b>			

Refer to \_\_\_\_\_ for options for selectives and pre-requisites.

- 124 semester credits and a 2.0 Graduation GPA are required for the Bachelor of Science degree.
- Students must earn a "D-" or better in all courses.
- Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.
- 32 credit hours of 300-level or higher courses must be completed at Purdue University.

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**The student is ultimately responsible for knowing and completing all degree requirements.**

**Degree Works is knowledge source for specific requirements and completion.**

\*\*\*\*\* Indated 5/23/2014