

"D-" or better required in all major courses

**Departmental/Program Major Courses (60 credits)**

**Required Major Courses (22 credits)**

- \_\_\_\_\_ (3) MET 11100 – Applied Statics
- \_\_\_\_\_ (3) <sup>1</sup>Materials and Processes Selective
- \_\_\_\_\_ (3) MET 23000 -- Fluid Power
- \_\_\_\_\_ (3) MET 24500 – Manufacturing Systems
- \_\_\_\_\_ (3) MET 28400 – Introduction to Industrial Controls
- \_\_\_\_\_ (3) <sup>2</sup>MET Selective
- \_\_\_\_\_ (3) ENGT 18000—Engineering Technology Foundations
- \_\_\_\_\_ (1) ENGT 18100—Engineering Technology Applications

**Other Departmental/Program Course Requirements (36 credits)**

- \_\_\_\_\_ (3) COM 11400 - Fundamentals of Speech Communication (**\*SPCH-S 121**) (*satisfies Oral Communication for core*)
- \_\_\_\_\_ (3) MA 16010 - Applied Calculus I (*satisfies Quantitative Reasoning for core*)
- \_\_\_\_\_ (3) ECET 22400 – Electronic Systems
- \_\_\_\_\_ (3) CHM 11100 – General Chemistry (**\*CHEM-C 105 3cr.**)
- \_\_\_\_\_ (4) PHYS 22000 - General Physics (**\*PHYS-P 201, 5 cr.**) (*satisfies Science for core*)
- \_\_\_\_\_ (3) STAT 30100 – Statistical Methods (**or \*MATH-K 300**)
- \_\_\_\_\_ (3) TECH 12000 - Design Thinking in Technology (*satisfies Information Literacy and Science, Technology & Society for core*)
- \_\_\_\_\_ (3) <sup>3</sup>English Composition Selective (**\*ENG-W 131**) (choose from ENGL 10600 or ENGL 10800) (*satisfies Written Communication for core*)
- \_\_\_\_\_ (3) ECON 21000—Principles of Economics (**\*ECON-E 103 or \*ECON-E 104**)
- \_\_\_\_\_ (3) <sup>4</sup>General Education Human Cultures: Humanities Selective (*satisfies Human Cultures Humanities for core*)
- \_\_\_\_\_ (3) <sup>5</sup>General Education Human Cultures: Behavior/Social Sciences (*satisfies Human Cultures: Behavioral Sciences for core*)
- \_\_\_\_\_ (2) <sup>6</sup>Computer Graphics Technology Selective (choose from CGT 11000, **CGT 16300**, IT 10500)

**Free Electives (2 credits)**

- \_\_\_\_\_ (2) Free Elective (**\*Apply excess Science credit here.**)

**University Core Requirements**

Human Cultures: Behavioral/Social Sciences	<input type="checkbox"/>	_____	Science	<input type="checkbox"/>	<b>PHYS 22000</b> <b>(*PHYS-P 201)</b>
Human Cultures: Humanities	<input type="checkbox"/>	_____	Science	<input type="checkbox"/>	<b>CHM 11100</b> <b>(*CHEM-C 105)</b>
Information Literacy	<input type="checkbox"/>	<b>TECH 12000</b>	Science, Technology & Society	<input type="checkbox"/>	_____
Oral Communication	<input type="checkbox"/>	<b>COM 11400</b> <b>(*SPCH-S 121)</b>	Written Communication	<input type="checkbox"/>	_____
Quantitative Reasoning	<input type="checkbox"/>	<b>MA 16010</b>			_____

**\*Denotes Richmond Location Course Offering**

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

myPurdUPlan is the knowledge source for specific requirements and completion.

Major: Mechanical Engineering Technology (MET)

MET-AS Suggested Arrangement of Courses

Fall 1 <sup>st</sup> Year	CR	GR	Sem	Fulfilled by	Spring 1 <sup>st</sup> Year	CR	GR	Sem	Fulfilled by
ENGT 18000 ENG Tech Foundations	3				MA 16010 Applied Calculus I (Pre-req: ALEKS score 75)	3			
ENGT 18100 ENG Tech Applications	1				MET 11100 Applied Statics (Pre-req: ENGT 18000)	3			
[ <sup>1</sup> Materials and Processes Selective]	3				<b>*ENG-W 131 (IUE)</b> [ <sup>3</sup> English Composition Selective]	3			
CHM 11100 General Chemistry <b>*CHEM-C 105 3 cr. (IUE)</b>	3				[ <sup>4</sup> Humanities Foundational Selective]	3			
CGT 16300 Graphical Communication and Spatial Analysis [ <sup>6</sup> Computer Graphics Tech Selective]	2				[ <sup>5</sup> Behavioral Social Science Foundational Selective]	3			
TECH 12000 Design Thinking in Tech.*	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 24500 Manufacturing Systems (Pre-reqs: MET 14300 or MET 14400, and CGT Selective)	3				[ <sup>7</sup> MET Selective]	3			
ECET 22400 Electronic Systems (Pre-req: MA 16010)	3				MET 23000 Fluid Power (Pre-reqs: MET 11100 and MA 16010)	3			
PHYS 22000 General Physics I* <b>*PHYS-P 201, 5 cr. (IUE)</b>	4				MET 28400 Intro to Industrial Controls (Pre-req: ECET 22400)	3			
Free Elective <b>(*Apply excess Science credit here.)</b>	2				STAT 30100 Elementary Stat Methods or <b>*MATH-K 300 (IUE)</b>	3			
COM 11400 Fundmtl of Speech Comm* <b>*SPCH-S 121 (IUE)</b>	3				ECON 21000 Principles of Economics <b>*ECON-E 103 (IUE) or *ECON-E 104 (IUE)</b>	3			
<b>TOTAL CREDIT HOURS</b>	<b>15</b>				<b>TOTAL CREDIT HOURS</b>	<b>15</b>			

Refer to the 2018 MET supplemental information form for options for selectives.

1. 60 semester credits and a 2.0 Graduation GPA are required for the Associate of Science degree.
2. Students must earn a "D-" or better in all courses unless otherwise noted.
3. Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.

The student is ultimately responsible for knowing and completing all degree requirements.  
myPurduePlan is knowledge source for specific requirements and completion.

# MET SUPPLEMENTAL INFORMATION

All prerequisites must be met.

**Bold indicates courses offered at Richmond Location.**

See Student Services Coordinator for course availability.

**\*Indicates IUE courses for Richmond Location only.**

## <sup>1</sup>MATERIALS AND PROCESSES SELECTIVE: (3 credits)

**MET 14300 Materials and Processes I**

**MET 14400 Materials and Processes II**

## <sup>2</sup>MET SELECTIVE: (3 credits)

**MET 10200 Production Specifications**

**MET 21300: Dynamics**

**MET 14300 Materials and Processes I**

**MET 21400: Machine Elements**

**MET 14400 Materials and Processes II**

**MET 22000: Heat and Power**

**MET 21100: Applied Strength of Materials**

## <sup>3</sup>ENGLISH COMPOSITION: (3 credits)

ENGL 10600 First Year Composition

ENGL 10800 Accelerated First Year Composition

**\*ENG-W 131**

## <sup>4</sup>HUMAN CULTURES: HUMANITIES CORE: (3 credits)

See <http://www.purdue.edu/provost/initiatives/curriculum/course.html> for approved Humanities Core Courses.

**\*ENG-L 204**

**\*FREN-F 150**

**\*PHIL-P 100**

**\*FINA-A 101**

**\*FREN-F 200**

**\*PHIL-P 120**

**\*FINA-A 102**

**\*FREN-F 250**

**\*PHIL-P 140**

**\*FINA-F 100**

**\*HIST-H 105**

**\*SPAN-S 100**

**\*FINA-H 100**

**\*HIST-H 106**

**\*SPAN-S 150**

**\*FINA-S 200**

**\*MUS-M 174**

**\*SPAN-S 200**

**\*FINA-S 260**

**\*MUS-T 101**

**\*SPAN-S 250**

**\*FREN-F 100**

**\*MUS-Z 393**

**\*THTR-T 210**

## <sup>5</sup>BEHAVIORAL/SOCIAL SCIENCE FOUNDATIONAL SELECTIVE; (3 credits)

See approved UCC Behavioral/Social Science list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

**\*ANTH-A 104**

**\*ENG-G 205**

**\*PSY-P 103**

**\*ANTH-E 320**

**\*POLS-Y 103**

**\*PSY-P 216**

**\*ECON-E 103**

**\*POLS-Y 109**

**\*SOC-S 100**

**\*ECON-E 104**

**\*POLS-Y 324**

**\*SPCH-S 122**

## <sup>6</sup>COMPUTER GRAPHICS TECHNOLOGY SELECTIVE; (2 credits)

**CGT 11000 Technical Graphics Communication**

**CGT 16300 Graphical Communication and Spatial Analysis**

**IT 10500 Intro to Engineering Design**