

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

**Required Major Courses (14 credits)**

- \_\_\_\_\_ (3) MET 10200 – Production Specifications
- \_\_\_\_\_ (3) MET 11100 – Applied Statics
- \_\_\_\_\_ (1) MET 16200 – Computational Analysis Tools
- \_\_\_\_\_ (4) MET 21100 – Applied Strength of Materials
- \_\_\_\_\_ (3) MET 21300 – Dynamics

**Other Departmental/Program Course Requirements (46 credits)**

- \_\_\_\_\_ (3) COM 11400 - Fundamentals of Speech Communication (**\*SPCH-S 121**) (*satisfies Oral Communication for core*)
- \_\_\_\_\_ (3) MA 15800 – Precalculus – Functions and Trigonometry
- \_\_\_\_\_ (3) MA 16010 - Applied Calculus I (*satisfies Quantitative Reasoning for core*)
- \_\_\_\_\_ (3) ECET 22400 – Electronic Systems
- \_\_\_\_\_ (4) PHYS 22000 - General Physics (**\*PHYS-P 201, 5 cr**) (*satisfies Science for core*)
- \_\_\_\_\_ (4) PHYS 22100 - General Physics II (**\*PHYS-P 202, 5 cr**) (*satisfies Science for core*)
- \_\_\_\_\_ (3) TECH 12000 - Design Thinking in Technology (*satisfies Information Literacy and Science, Technology & Society for core*)
- \_\_\_\_\_ (3) Freshman Composition Selective<sup>4</sup> (**\*ENG-W 131**) (*satisfies Written Communication for core*)
- \_\_\_\_\_ (3) General Education Human Cultures: Humanities Selective<sup>5</sup> (*satisfies Human Cultures Humanities for core*)
- \_\_\_\_\_ (3) General Education Human Cultures: Behavior/Social Sciences Selective<sup>6</sup> (*satisfies Human Cultures: Behavioral Sciences for core*)
- \_\_\_\_\_ (2) CGT Selective<sup>1</sup>
- \_\_\_\_\_ (3) MET AS Selective<sup>2</sup>
- \_\_\_\_\_ (3) MET AS Selective<sup>2</sup>
- \_\_\_\_\_ (3) MET AS Selective<sup>2</sup>
- \_\_\_\_\_ (3) Materials & Processes Selective<sup>3</sup>

**\*Denotes Richmond Campus Course Offering**

**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>PHYS 22100</b> <b>(*PHYS-P 202)</b>
Information Literacy	<input type="checkbox"/>	<b>TECH 12000</b>	Science, Technology & Society	<input type="checkbox"/>	<b>TECH 12000</b>
Oral Communication	<input type="checkbox"/>	<b>COM 11400</b> <b>(*SPCH-S 121)</b>	Written Communication	<input type="checkbox"/>	<b>ENGL 10600/10800</b> <b>(*ENG-W 131)</b>
Quantitative Reasoning	<input type="checkbox"/>	<b>MA 16010</b>			

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

**myPurduePlan is the knowledge source for specific requirements and completion.**

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## Mechanical Engineering Technology

### Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
2	CGT Selective <sup>1</sup> CGT 16300		3	ECET 22400	
3	MA 15800	Placement	3	MA 16010*	MA 15800
3	Materials & Processes Selective <sup>3</sup> MET 14400		3	MET 11100	MA 15800, MET 16200
1	MET 16200	C: MA 15800	3	MET 10200	CGT 16300, MET 16200
3	Freshman Composition Selective <sup>4*</sup> <b>ENG-W 131 (IUE)</b>	Placement	3	Humanities Foundation Selective <sup>5*</sup>	
3	TECH 12000*				
<b>15</b>			<b>15</b>		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4	MET 21100	MET 11100, C: MA 16010	3	MET AS Selective <sup>2</sup> MET 21400	MET 21100, MET 21300
3	MET 21300	MET 11100, MET 16200, C: MA 16010	3	MET AS Selective <sup>2</sup> MET 22000	MET 16200, <b>PHYS-P 201</b> , C: MA 16010
3	MET AS Selective <sup>2</sup> MET 24500	MA 15800, MET 14300 or 14400	3	COM 11400* <b>SPCH-S 121 (IUE)</b>	
4	PHYS 22000* <b>PHYS-P 201 (5 cr)</b>	MA 15800	4	PHYS 22100* <b>PHYS-P 202 (5 cr)</b>	<b>PHYS-P 201</b>
			3	Behavioral/Social Science Foundation Selective <sup>6*</sup>	
<b>14</b>			<b>16</b>		

**\*Fulfills University Core**

- 1) Students must earn a D- or higher in all courses.
- 2) 60 credits listed above are required for the MET Associates of Science degree.
- 3) 2.0 Graduation GPA required for Associates of Science degree.
- 4) 32 credits must be taken at the Purdue location conferring the degree.
- 5) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).

**See next page for all supplemental Information**

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## MET SUPPLEMENTAL INFORMATION

All prerequisites must be met.

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

See Student Services Coordinator for course availability.

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

### <sup>1</sup>CGT SELECTIVE (2 credits)

**CGT 16300 Graphical Communication and Spatial Analysis**

### <sup>2</sup>MET AS SELECTIVE (9 credits)

**MET 21400 Machine Elements**

**MET 22000 Heat and Power**

**MET 24500 Manufacturing Systems**

### <sup>3</sup>Materials and Processes Selective (3 credits)

**MET 14400 Materials and Processes II**

### <sup>4</sup>FRESHMAN COMPOSITION (3 credits)

ENGL 10600 First Year Composition

**\*ENG-W 131**

### <sup>5</sup>HUMANITIES FOUNDATIONAL SELECTIVE (3 credits)

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

**\*ENGL-L 204**

**\*FINA-A 101, \*FINA-A 102,**

**\*FINA-F 100, \*FINA-H 100, \*FINA-S 200**

**\*FREN-F 100, \*FREN-F 150,**

**\*FREN-F 200, \*FREN-F 250**

**\*HIST-H 105, \*HIST-H 106**

**\*MUS-M 174, \*MUS-T 101, \*MUS-Z 393**

**\*PHIL-P 100, \*PHIL-P 120, \*PHIL-P 140**

**\*SPAN-S 100, \*SPAN-S 150,**

**\*SPAN-S 200, \*SPAN-S 250**

**\*THTR-T 210**

### <sup>6</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, \*ANTH-E 320**

**\*CMCL-C 122**

**\*ECON-E 103, \*ECON-E 104**

**\*ENG-G 205**

**\*PSY-P 216**

**\*POLS-Y 103, \*POLS-Y 324**

**\*PSY-P 103**

**\*SOC-S 100**