

**Technology Core (49 credits)**

- (3) CGT 11000 Technical Graphics Communication or  
CGT 11600 Geometric Modeling for Visualization and Communication
- (3) CGT 22600 Introduction to Constraint-Based Modeling
- (3) CNIT 15500 Introduction to Object-Oriented Programming
- (3) CNIT 17600 Information Technology Architectures
- (3) IT 34200 Introduction to Statistical Quality
- (3) IT 44600 Six Sigma Quality
- (3) IT 45000 Production Cost Analysis
- (1) MET 16200 Computational Analysis Tools for MET
- (3) MET 11100 Applied Statics
- (3) MET 14300 Materials and Processes I or  
MET 14400 Materials and Processes II
- (3) MET 24500 Manufacturing Systems
- (3) OLS 25200 Human Behavior in Organizations
- (3) OLS 28400 Leadership Principles
- (3) TECH 12000 Design for Technology *(satisfies Science, Technology & Society Selective and Information Literacy for core)*
- (3) TECH 32000 Technology and the Organization
- (3) TECH 33000 Technology and the Global Society
- (1) TECH 49600 Senior Design Project Proposal
- (2) TECH 49700 Senior Design Project

**Other Departmental/Program Course Requirements (31 credits)**

- (3) MA 15800 Precalculus – Functions and Trigonometry *(satisfies Quantitative Reasoning for core)*
- (3) MA 16010 Applied Calculus I
- (4) PHYS 21800 General Physics *(\*PHYS-P 201, 5 cr) (satisfies Science for core)*
- (3) IT 21400 Introduction to Lean Manufacturing
- (3) Written Communication Foundation Selective<sup>3</sup> *(\*ENG-W 131) (satisfies Written Communication for core)*
- (3) ENGL 42100 Technical Writing
- (3) COM 11400 *(\*SPCH-S 121) (satisfies Oral Communication for core)*
- (3) Advanced Oral Communication Selective<sup>4</sup>
- (3) ECON 21000 *(ECON-E 103 or ECON-E 104) (satisfies Human Culture Behavioral/Social Science for core)*
- (3) Humanities Foundation Selective<sup>2</sup> *(satisfies Human Cultures Humanities for core)*

**Concentration Requirements (40 credits)**

**General Education (16 credits)**

- (4) Lab Science Foundation Selective<sup>1</sup> *(satisfies Science for core)*
- (6) Free Electives<sup>8</sup>
- (6) Humanities/Liberal Arts Electives<sup>7</sup>

**Selectives (24 credits)**

- (6) ECET Selectives<sup>5</sup>
- (18) Technical Selectives<sup>6</sup> At least 12 credit hours must be upper-level courses (≥30000) and at least 6 credit hours must be in the same discipline.

**\*Denotes Richmond Campus Course Offering**

**University Core Requirements**

Human Cultures Humanities	<input type="checkbox"/>	Science, Technology & Society Selective	<input type="checkbox"/>	TECH 12000
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	Written Communication	<input type="checkbox"/>	<b>(*ENG-W 131)</b>
Information Literacy	<input type="checkbox"/>	Oral Communication	<input type="checkbox"/>	<b>COM 11400 (*SPCH-S 121)</b>
Science Selective	<input type="checkbox"/>	Quantitative Reasoning	<input type="checkbox"/>	<b>MATH – (*MA 15800)</b>
Science Selective	<input type="checkbox"/>			

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

# Engineering Technology

## Technology Integration Concentration

### Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	MA 15800*	Placement	3	MA 16010	MA 15800
1	MET 16200	C:MA 15800	3	IT 21400	
3	Written Comm Fnd Selective <sup>3*</sup> <b>ENG-W 131 (IUE)</b>	Placement	3	COM 11400* <b>SPCH-S 121 (IUE)</b>	
3	TECH 12000*		3	CNIT 15500	
3	MET 14300 or MET 14400		3	CGT 22600	CGT 11000 or CGT 11600
3	CGT 11000 or CGT 11600				
<b>16</b>			<b>15</b>		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	CNIT 17600		3	ECET Selective <sup>5</sup> ECET 22400	MA 15800
4	PHYS 21800* <b>PHYS-P 201, 5 cr (IUE)</b>	MA 15800	4	Lab Science Fnd Selective <sup>1*</sup>	
3	MET 24500	MA 15800, MET 14300 or MET 14400	3	MET 11100	MA 15800, MET 16200
3	ECON 21000* <b>ECON-E 103 or ECON-E 104 (IUE)</b>		3	Humanities Fnd Selective <sup>2*</sup>	
3	OLS 25200		3	OLS 28400	
<b>16</b>			<b>16</b>		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	Adv Oral Comm Selective <sup>4</sup> 300/400 Level	<b>SPCH-S 121 (IUE)</b>	3	ENGL 42100	Written Comm Selective <b>ENG-W 131 (IUE)</b>
3	IT 34200	MA 15800	3	IT 44600	IT 34200
3	ECET Selective <sup>5</sup>		3	Technical Selective <sup>6</sup>	
3	Technical Selective <sup>6</sup>		3	Technical Selective <sup>6</sup>	
3	Humanities/Lib Arts Elective <sup>7</sup>		3	Humanities/Lib Arts Elective <sup>7</sup>	
<b>15</b>			<b>15</b>		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
1	TECH 49600	Senior Status	2	TECH 49700	TECH 49600
3	TECH 32000	TECH 12000	3	TECH 33000	TECH 12000
3	IT 45000	MA 15800, Jr/Sr Status	3	Technical Selective <sup>6</sup>	
3	Technical Selective <sup>6</sup>		3	Technical Selective <sup>6</sup>	
3	Free Elective <sup>8</sup>		3	Free Elective <sup>8</sup>	
<b>13</b>			<b>14</b>		

<sup>6</sup> At least 12 credit hours must be upper-level courses (≥30000) and at least 6 credit hours must be in the same discipline

**\*Fulfills University Core**

- 1) 120 credits listed above are required for the ET Bachelor of Science degree.
- 2) 2.0 Graduation GPA required for Bachelor of Science degree.
- 3) 32 credits of upper division courses (30000 level or higher) must be taken at the Purdue location conferring the degree.
- 4) 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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# Engineering Technology 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>Lab Science Foundation Selective (3 credits)

Must be a lab from the approved UCC Science list: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

ASTR 26300 Descript Astron: Solar System	<b>*CHEM-C 125 + *CHEM-C 105</b>	EAPS 11200 Earth Through Time
ASTR 26400 Descript Astron: Stars & Galaxies	<b>*CHEM-C 126 + *CHEM-C 106</b>	EAPS 24300 Earth Materials I
<b>*BIOL-L 101 + *BIOL-L 102</b>	CHM 11100 General Chemistry	EAPS 24400 Earth Materials II
BIOL 11000 Fundamentals of Biology I	CHM 11200 General Chemistry	<b>*GEOL-G 111</b>
BIOL 11100 Fundamentals of Biology II	CHM 11500 General Chemistry	HORT 10100 Fundamentals of Horticulture
BIOL 12100 Biology I: Ecology, Div, & Behavior	CHM 11600 General Chemistry	PHYS 17200 Modern Mechanics
BIOL 13100 Biology II: Dev, Struct & Fn of Orgs	CHM 12500 Introduction to Chemistry	PHYS 21900 General Physics II
BIOL 13500 First year Biology lab	CHM 12600 Introduction to Chemistry II	PHYS 22000 General Physics
BIOL 14600 Introduction to Biology	CHM 13600 General Chemistry Honors	PHYS 22100 General Physics
BIOL 20300 Human Anatomy and Physiology	CHM 20000 Fund of Chemistry	PHYS 24100 Electricity & Optics
BIOL 20400 Human Anatomy and Physiology	EAPS 10900 The Dynamic Earth	PHYS 27200 Electric & Magnetic Interactions
BTNY 11000 Intro to Plant Science	EAPS 11100 Physical Geology	<b>*PHYS-P 202</b>

## <sup>2</sup>Humanities Foundational Selective (3 credits)

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

<b>*ENGL-L 204</b>	<b>*FREN-F 200, *FREN-F 250</b>	<b>*SPAN-S 100, *SPAN-S 150,</b>
<b>*FINA-A 101, *FINA-A 102,</b>	<b>*HIST-H 105, *HIST-H 106</b>	<b>*SPAN-S 200, *SPAN-S 250</b>
<b>*FINA-F 100, *FINA-H 100, *FINA-S 200</b>	<b>*MUS-M 174, *MUS-T 101, *MUS-Z 393</b>	<b>*THTR-T 210</b>
<b>*FREN-F 100, *FREN-F 150,</b>	<b>*PHIL-P 100, *PHIL-P 120, *PHIL-P 140</b>	

## <sup>3</sup>Written Communication Foundation Selective (minimum 3 credits)

ENGL 10600 1st-Year Composition	ENGL 10800 Accelerated 1st-Year Composition	<b>*ENG-W 131</b>
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## <sup>4</sup>Communication Selective (3 credits)

COM 31400 Advanced Presentational Speaking	<b>*CMCL-C 380</b>
COM 31800 Principles of Persuasion	<b>*CMCL-C 427</b>
COM 32500 Interviewing Principles and Practice	<b>*CMCL-C 440</b>
	<b>*CMCL-C 450</b>

## <sup>5</sup>ECET Selective (6 credits)

<b>ECET 22400 Electronic Systems</b>	<b>ECET 23300 Electronics and Industrial Controls</b>
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## <sup>6</sup>Technical Selective (6 credits)

Any non-required **College of Technology** course not already required/being used on the plan of study.

**At least 12 credit hours must be at the 30000 level or above and at least 6 credit hours must be in the same discipline.**

## <sup>7</sup>Humanities/Liberal Arts Elective (6 credits)

Any non-required course in humanities/liberal arts not already required/being used on the plan of study.

<b>*ANTH-A 104, *ANTH-E 320</b>	<b>*FREN-F 100, *FREN-F 150,</b>	<b>*PSY-P 103</b>
<b>*CMCL-C 122</b>	<b>*FREN-F 200, *FREN-F 250</b>	<b>*PSY-P 216</b>
<b>*ECON-E 103, *ECON-E 104</b>	<b>*HIST-H 105, *HIST-H 106</b>	<b>*SOC-S 100</b>
<b>*ENG-G 205, *ENGL-L 204</b>	<b>*MUS-M 174, *MUS-T 101, *MUS-Z 393</b>	<b>*SPAN-S 100, *SPAN-S 150,</b>
<b>*FINA-A 101, *FINA-A 102,</b>	<b>*PHIL-P 100, *PHIL-P 120, *PHIL-P 140</b>	<b>*SPAN-S 200, *SPAN-S 250</b>
<b>*FINA-F 100, *FINA-H 100, *FINA-S 200</b>	<b>*POLS-Y 103, *POLS-Y 324</b>	<b>*THTR-T 210</b>

## <sup>8</sup>Free Elective (6 credits)

Any non-remedial course offered for credit at the University not already required/being used on the plan of study.