

Departmental/Program Major Courses (52 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 21400 Introduction to Lean Manufacturing
- _____ (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 (28 credits)

- _____ (3) MA 15800 Precalculus – Functions and Trigonometry (*satisfies Quantitative Reasoning for core*)
- _____ (3) MA 22100 Calculus for Technology I
- _____ (4) PHYS 21800 General Physics (*satisfies Science for core*)
- _____ (3) Written Communication Foundation Selective⁴ (*satisfies Written Communication for core*)
- _____ (3) ENGL 42100 Technical Writing
- _____ (3) COM 11400 (*satisfies Oral Communication for core*)
- _____ (3) Advanced Oral Communication Selective⁵
- _____ (3) ECON 21000 (*satisfies Human Culture Behavioral/Social Science for core*)
- _____ (3) Humanities Foundation Selective³ (*satisfies Human Cultures Humanities for core*)

Concentration Requirements (28 credits)

- _____ (4) Lab Science Foundation Selective² (*satisfies Science for core*)
- _____ (6) ECET Selectives⁸
- _____ (18) Technical Selectives⁷

¹ At least 12 credit hours must be upper-level courses (≥30000) and at least 6 credit hours must be in the same discipline

Free and Humanities/Liberal Arts Electives⁶ (12 credits)

- _____ (3) Free Elective _____ (3) Free Elective _____ (3) Hum/LA Elective _____ (3) Hum/LA Elective

University Core Requirements

Human Cultures Humanities _____
 Human Cultures Behavioral/Social Science _____
 Information Literacy _____
 Science Selective _____
 Science Selective _____

Science, Technology & Society Selective _____
 Written Communication _____
 Oral Communication _____
 Quantitative Reasoning _____

**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	CGT 11000 or CGT 11600		3	CGT 22600	CGT 11000 or CGT 11600
3	MA 15800 ^{2*}		3	CNIT 15500	
3	MET 14300 or MET 14400		3	COM 11400	
1	MET 16200		3	IT 21400	
3	TECH 12000		3	Humanities Fnd Selective ^{3*}	
3	Written Comm Fnd Selective ^{4*}				
16			15		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	CNIT 17600		3	ECET Selective ⁸	
3	MA 22100 ^{2*}	MA 15800	3	ECON 21000	
3	MET 24500	MET 14300 or MET 14400 CGT 11000	3	MET 11100	MA 15800 MET 16200
4	PHYS 21800		3	OLS 25200	
3	ECET Selective ⁸		4	Lab Science Fnd Selective ^{2*}	
16			16		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	IT 34200	MA 15800	3	ENGL 42100	Written Comm Selective
3	TECH 32000	TECH 12000	3	IT 44600	IT 34200
3	Adv Oral Comm Selective ^{5*}		3	OLS 28400	
3	Humanities/Lib Arts Elective ³		3	TECH 33000	TECH 12000
3	Technical Selective ⁷		3	Technical Selective ⁷	
15			15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	IT 45000	MA 15800	2	TECH 49700	TECH 49600
1	TECH 49600		3	Free Elective ⁶	
3	Free Elective ⁶		3	Humanities/Lib Arts Elective ³	
3	Technical Selective ⁸		3	Technical Selective ⁸	
3	Technical Selective ⁸		3	Technical Selective ⁸	
13			14		

¹ At least 12 credit hours must be upper-level courses (≥30000) and at least 6 credit hours must be in the same discipline

**120 semester credits required for Bachelor of Science degree.
2.0 Graduation GPA required for Bachelor of Science degree.**

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

myPurduePlan is knowledge source for specific requirements and completion

ET Supplemental Information

All prerequisites must be met

See the Student Services Coordinator for course availability.

Written Communication Selective:

ENGL 10600, First Year Composition

Advanced Oral Communication Selective:

ENGL 31400, Advanced Presentations

ENGL 32000, Small Group Discussion

Humanities Foundation Selective: (satisfies Human Cultures Humanities for core):

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

HIST 15100 American History to 1877

HIST 15200 U.S. History since 1877

Lab Science Foundation Selective:

PHYS 21900, General Physics II

CHM 11100, General Chemistry

ECET Selectives:

ECET 22400, Electronics Systems

ECET 17900, Intro to Digital Systems

Technical Selectives: B.S. Engineering Technology, Technology Integration Concentration

At least 12 credit hours must be at the 300 level or above and at least 6 credit hours must be in the same discipline.

IT	10400	Industrial Organization
IT	11400	Problem Solving in Manufacturing
IT	23000	Industrial Supply Chain Management
IT	28100	Industrial Safety
IT	33000	Industrial Sales & Sales Management
IT	33200	Purchasing, Inv. & Warehouse Mgmt.
IT	34500	Automation ID Data Capture
IT	35100	Adv. Industrial Safety & Health Mgmt
IT	38100	Total Production Maintenance
IT	38500	Industrial Ergonomics
IT	43200	Financial Transaction Distribution
IT	43400	Global Trans. & Logistics Mgmt.
IT	43500	Distribution Mgmt. Policy
IT	44200	Production Planning
IT	44500	Problem Solving With Automatic Data Collection
IT	48300	Facility Design for Lean Manufacturing
MET	23000	Fluid Power
MET	28400	Intro to Industrial Controls
MET	38200	Controls & Instrumentation

Humanities/Liberal Arts Elective:

Any university course from Humanities or Liberal Arts.

Free Elective:

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