

Name: _____ PUID: _____ Date: _____

Departmental/Program Major Courses (18 credits)

- _____ (3) IT 10400 Industrial Organization
- _____ (3) IT 23000 Industrial Supply Chain Management
- _____ (3) IT 34200 Introduction to Statistical Quality
- _____ (3) IT 38500 Industrial Ergonomics
- _____ (3) IT 44200 Production Planning
- _____ (3) IT 45000 Production Cost Analysis

Other Departmental /Program Course Requirements (72 credits)

- _____ (5) MA Foundation Selective¹ (**satisfies Quantitative Reasoning for core**) (See Supplemental Information)
Possible Second Mathematics Foundation Selective if needed¹ (See Supplemental Information)
- _____ (3) Science Foundation Selective² (**satisfies Science for core**) (See Supplemental Information)
- _____ (3) Science Foundation Selective² (**satisfies Science for core**) (See Supplemental Information)
- _____ (4) PHYS 21800 General Physics
- _____ (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
- _____ (3) ECON 21000 (**satisfies Human Culture Behavioral/Social Science for core**) (*ECON E201)
- _____ (3) Humanities Foundation Selective³ (**satisfies Human Cultures Humanities for core**) (See Supplemental Information)
- _____ (3) COM 11400 (**satisfies Oral Communication for core**) (*COMM R110)
- _____ (3) Written Communication Foundation Selective⁴ (**satisfies Written Communication for core**) (See Supplemental Information) (*ENG W131)
- _____ (3) Advanced Oral Communication Selective⁵ (See Supplemental Information)
- _____ (3) Advanced Written Communication Selective⁶ (See Supplemental Information)
- _____ (3) CGT 11000 Technical Graphics Communication
- _____ (3) CNIT 13600 (*CNIT 180)
- _____ (3) Industrial Safety Selective⁷ (*IT 351)
- _____ (3) Manufacturing Fundamentals Selective⁸ (*IT 214)
- _____ (3) Math/Computing Selective⁹
- _____ (3) Math/Computing Selective⁹
- _____ (3) Electricity/Electronics Selective¹⁰ (*ECET 224)
- _____ (3) Materials/Manufacturing Selective¹¹ (*MET 143)
- _____ (3) Materials/Manufacturing Selective¹¹ (*MET 144)
- _____ (3) Materials/Manufacturing Selective¹¹ (*MET 245)

Free Electives¹² (15 credits) and Technical Electives¹³ (15 credits) (See Supplemental Information)

_____ (FE) _____ (FE) _____ (TE) _____ (TE)
 _____ (FE) _____ (FE) _____ (TE) _____ (TE)
 _____ (FE) _____ (TE) _____ (TE) _____ (TE)

***Denotes Columbus Campus Course Offering**

University Core Requirements (<http://www.purdue.edu/provost/initiatives/curriculum/course.html>)

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	TECH 12000
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	ECON 21000 *ECON E201	Written Communication	<input type="checkbox"/>	*ENG W131
Information Literacy	<input type="checkbox"/>	TECH 12000	Oral Communication	<input type="checkbox"/>	COM 11400 *COMM R110
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	MATH -
Science Selective	<input type="checkbox"/>	_____			

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

Industrial Technology General Option

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	ECON 21000* ECON E201 (IUPUC)		3	IT 10400	
3	TECH 12000*		2/3	Possible 2 nd MA Foundation Selective or 2 Fr. Credits FREE	
3	MA Foundation Selective ^{1*} MA 158		3	COM 11400* COMM R110 (IUPUC)	
4	PHYS 21800 or PHYS 22000 MA Selective		3	CNIT 13600 or CNIT 180	
3	Written Communication Foundation Selective ^{4*} ENG W131 (IUPUC)		3	Manufacturing Fundamentals Selective ⁸	
16			14/15		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	Science Foundation Selective ^{2*}		3-5	Science Foundation Selective Lab ^{2*}	
3	IT 23000		3	Math/Computing Selective ⁹	
3	CGT 11000		3	Electricity/Electronics Selective ¹⁰ ECET 224	
3	Materials/Manufacturing Selective ¹¹ MET 143		3	Materials/Manufacturing Selective ¹¹ MET 144	
3	Math/Computing Selective ⁹		3	Technical Elective ¹³	
15			15-17		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	IT 38500 MA Selective		3	IT 34200 MA Selective	
3	TECH 32000 TECH 12000		3	TECH 33000 TECH 12000	
3	Industrial Safety Selective ⁷ IT 351		3	Technical Elective ¹³	
3	Materials/Manufacturing Selective ¹¹ MET 245		3	Technical Elective ¹³	
3	Advanced Oral Communication Selective ⁵ COM 320		3	Advanced Written Communication Selective ⁶ ENGL 241	
15			15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	IT 44200		3	IT 45000 MA Selective	
3	Technical Elective ¹³		3	Free Elective ¹²	
3	Technical Elective ¹³		3	Free Elective ¹²	
3	Free Elective ¹²		3	Free Elective ¹²	
3	Free Elective ¹²		3	Humanities Foundation Selective ^{3*}	
15			15		

***Fulfills University Core**

- 1) 120 credits listed above are required for the IT/GEN 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.

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

myPurduePlan is knowledge source for specific requirements and completion

IT-GEN Supplemental Information

All prerequisites must be met

BOLD indicates courses offered at Columbus Campus.

***Indicates IUPUC course offering for Columbus Campus only.**

See Student Service Coordinator for course availability.

1MA Foundation Selective (minimum 5 credits)

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

MA 15300 Algebra and Trig I & MA 15400 Algebra and Trig II	MA 16100 Plane Analytic Geometry & Calculus I	*MATH 221 Calc for Tech I & 2cr. Free Elective
MA 15800 Precalculus – Functions & Trig & 2 cr. Free Elective	MA 16500 Integrated Calculus Analysis Geometry I	*MATH 222 Calc for Tech II& 2cr. Free Elective
MA 15910 Intro to Calculus & 2 cr. of Free Elective	MA 22100 Calculus for Technology & 2cr. Free Elective	
MA 16010 Applied Calculus & 2 cr. Free Elective	MA 22300 Intro Analysis I & 2cr. Free Elective	

2Science Foundation Selective (6 credits)

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

Students of Columbus location see the following link to review how IU courses transfer to Purdue Core:

<http://www.purdue.edu/provost/initiatives/curriculum/documents/Retro%20and%20Transfer%20Credit%20Course%20list%205-27-14.pdf>

ANTH A103	BIOL 20600 Biology for Elementary Teachers	EAPS 10900 The Dynamic Earth*
BIOL N108	BTNY 11000 Introduction to Plant Science	*GEOL G109
*BIOL K101 + K103	*CHEM C105 + C125	*GEOL G110 + G120
BIOL 11000 Fundamentals of Biology I*	*CHEM C106 + C126	HORT 10100 Fundamentals of Horticulture*
BIOL 11100 Fundamentals of Biology II*	CHM 11100 General Chemistry*	*PHYS 152
BIOL 13500 First Year Biology Laboratory*	CHM 11200 General Chemistry*	PHYS 17200 Modern Mechanics*
BIOL 14501 First Year Biology Laboratory with Neuro Research Project*	CHM 11500 General Chemistry*	PHYS 21800 General Physics*
BIOL 14502 First Year Biology Laboratory with Micro Research Project*	CHM 11600 General Chemistry*	PHYS 21900 General Physics II*
BIOL 14600 Introduction to Biology*	CHM 12500 Introduction to Chemistry I*	PHYS 22000 General Physics*
BIOL 20300 Human Anatomy and Physiology*	CHM 12600 Introduction to Chemistry II*	PHYS 22100 General Physics*
BIOL 20400 Human Anatomy and Physiology*	CHM 13600 General Chemistry Honors*	*PHYS 251
BIOL 20500 Biology for Elementary Teachers*	CHM 20000 Fundamentals of Chemistry*	PHYS 27200 Electric and Magnetic Interactions*
	CHM 12901 General Chemistry with Biological Focus*	
	EAPS 10200 Earth Science for Elementary Education*	

3Humanities Foundational Selective (3 credits)

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

Students of Columbus location see the following link to review how IU courses transfer to Purdue Core:

<http://www.purdue.edu/provost/initiatives/curriculum/documents/Retro%20and%20Transfer%20Credit%20Course%20list%205-27-14.pdf>

*HER H100	*HIST H113
*HER H102	*HIST H114
*ENG L204	*PHIL P110
*HIST H105	*PHIL P120
*HIST H106	

4Written Communication Foundation Selective (minimum 3 credits)

ENGL 10600 First-Year Composition

ENGL 10800 Accelerated First-Year Composition

***ENG W131**

5Advanced Oral Communication Selective (3 credits)

COM 31400 Advanced Presentational Speaking

COM 31500 Speech Communication of Technical Information

COM 31800 Principles of Persuasion

COM 32000 Small Group Communication

COM 32400 Intro to Organizational Communication

COM 32500 Interviewing Principles and Practice

COM 41500 Discussion of Technical Problems

***COMM C223 Business & Professional Com**

6Advanced Written Communication Selective (3 credits)

ENGL 30400 Advanced Composition

ENGL 30600 Intro Professional Writing

ENGL 42000 Business Writing

ENGL 42100 Technical Writing

***ENG W231 Professional Writing Skills**

7Industrial Safety Selective (3 credits)

IT 28100 Industrial Safety

IT 35100 Advanced Industrial Safety and Health Management

8Manufacturing Fundamentals Selective (3 credits)

IT 11400 Problem-Solving in Manufacturing

IT 21400 Introduction to Lean Manufacturing

9Math/Computing Selective (6 credits)

Any math (MA) or computer science (CS) course not already required/being used on the plan of study.

10Electricity/Electronics Selective (3 credits)

ECET 21400 Electricity Fundamentals

ECET 22400 Electronic Systems

11Materials/Manufacturing Selective (9 credits)

MET 14100 Materials I

MET 245 Manufacturing Systems

MFET 30000 Applications of Automation in Manufacturing

MET 14300 Materials and Processes I

MFET 24300 Automated Manufacturing I

MET 14400 Materials and Processes II

12Free Elective (15 credits)

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

13Technical Elective (15 credits)

Any non-required College of Technology or Engineering (ENGR) course.

-Two courses can be 100 or 200 level

-Three courses must be 300 or 400 level

CGT 22600 Introduction to Constraint-Based Modeling

MET 10200 Production Design & Specifications

MET 11100 Applied Statics

MET 14300 Materials & Processes I

MET 14400 Materials & Processes II

MET 30200 CAD and the Enterprise

MET 38200 Controls & Instrument Automation

MET 34600 Advanced Materials in Manufacturing

MET 45100 Manufacturing Quality Control

ECET 30201 Introduction to Industrial Controls

ECET 38500 Introduction to Automotive Electronics

IT 33000 Industrial Sales & Sales Management

IT 33200 Purchasing, Inventory, & Warehouse Management

IT 34500 Automatic Identification & Data Capture

IT 38100 Total Productive Maintenance

IT 43400 Global Transportation & Logistics Management

IT 44500 Problem-solving w/Automatic Data Collection

IT 44600 Six Sigma Quality

IT 48300 Facility Design for Lean Manufacturing

OLS courses – must have approval of academic advisor BEFORE taking course