

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**)
- _____ (3) Humanities Foundation Selective³ (**satisfies Human Cultures Humanities for core**) (See Supplemental Information)
- _____ (3) COM 11400 (**satisfies Oral Communication for core**)
- _____ (3) Written Communication Foundation Selective⁴ (**satisfies Written Communication for core**) (See Supplemental Information)
- _____ (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 Personal Computing Technology and Applications
- _____ (3) Industrial Safety Selective⁷
- _____ (3) Manufacturing Fundamentals Selective⁸
- _____ (3) Math/Computing Selective⁹
- _____ (3) Math/Computing Selective⁹
- _____ (3) Electricity/Electronics Selective¹⁰
- _____ (3) Materials/Manufacturing Selective¹¹
- _____ (3) Materials/Manufacturing Selective¹¹
- _____ (3) Materials/Manufacturing Selective¹¹

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

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

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	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	TECH 12000	Oral Communication	<input type="checkbox"/>	COM 11400
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.
myPurdue Plan is the 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	IT 10400		3	ECON 21000*	
3	TECH 12000*		4	PHYS 21800 or PHYS 22000	MA Selective
3	Humanities Foundation Selective ^{3*}		3	COM 11400*	
5	MA Foundation Selective ^{1*}		3	CNIT 13600	
3	Written Communication Foundation Selective ^{4*}		3	Manufacturing Fundamentals Selective ⁸	
17			16		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	IT 23000		3	Science Foundation Selective ^{2*}	
3	CGT 11000		3	Math/Computing Selective ⁹	
3	Materials/Manufacturing Selective ¹¹		3	Industrial Safety Selective ⁷	
3	Math/Computing Selective ⁹		3	Materials/Manufacturing Selective ¹¹	
3	Electricity/Electronics Selective ¹⁰		3	Technical Elective ¹³	
15			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	IT 34200	MA Selective	3	IT 38500	MA Selective
3	TECH 32000	TECH 12000	3	TECH 33000	TECH 12000
3	Science Foundation Selective ^{2*}		3	Technical Elective ¹³	
3	Materials/Manufacturing Selective ¹¹		3	Technical Elective ¹³	
3	Advanced Oral Communication Selective ⁵		3	Advanced Written Communication Selective ⁶	
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				
15			12		

***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.

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IT-GEN Supplemental Information

All prerequisites must be met

See the Student Services 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/Trigonometry for Technology I
MA 15400 Algebra/Trigonometry for Technology II

MA 16010 Applied Calculus I
MA 16020 Applied Calculus II

²Science Foundation Selective (6 credits)

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

PHYS 21900 General Physics II
EAPS 10000/19100 Earth science

CHM 11100 General Chemistry

³Humanities Foundational Selective (Humanities Human Cultures) (3 credits)

See approved UCC 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

⁴Written Communication Foundation Selective (minimum 3 credits)

ENGL 10600 First-Year Composition

⁵Advanced Oral Communication Selective (3 credits)

COM 31400 Advanced Presentations
COM 32500 Interviewing: Principles and Practice

COM 32000 Small Group Communications

⁶Advanced Written Communication Selective (3 credits)

ENGL 42000 Business Writing
ENGL 42100 Technical Writing

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), Computer & Information Technology (CNIT), or computer science (CS) course not already required/being used on the plan of study

MA 16010 Applied Calculus I
CNIT 15500 Intro to Software Dev. Concepts
CNIT 18000 Intro to Systems Development

MA 16020 Applied Calculus II
CNIT 17600 Information Technology Development
CNIT 25500 Object Oriented Programming

¹⁰Electricity/Electronics Selective (3 credits)

ECET 21400 Electricity Fundamentals
ECET 22400 Electronic Systems

¹¹Materials/Manufacturing Selective (9 credits)

MET 14300 Materials And Processes I
MET 24500 Manufacturing Systems

MET 14400 Materials and Processes II

¹²Free Elective (15 credits)* Any non-remedial course offered for credit at the Anderson Location not already required/being used on the plan of study

¹³Technical Elective (15 credits) (Minimum of 9 credits must be 300 level or higher)

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

IT 33000 Industrial Sales & Sales Management	CGT 22600 Intro to Constraint-Based Modeling
IT 33200 Purchasing, Inv. & Warehouse Mgmt.	MET 10200 Production Design & Specifications
IT 34500 Automation ID Data Capture	MET 11100 Applied Statics
IT 38100 Total Production Maintenance	MET 23000 Fluid Power
IT 43400 Global Trans. & Logistics Mgmt.	MET 28400 Intro to Industrial Controls
IT 43500 Distribution Mgmt. Policy	MET 38200 Controls & Instrumentation
IT 44200 Production Planning	CNIT 15500 Intro to Software Dev. Concepts
IT 44500 Problem Solving With Automatic Data Collection	CNIT 17600 Information Technology Development
IT 44600 Six Sigma Quality	CNIT 18000 Intro to Systems Development
IT 48300 Facility Design for Lean Manufacturing	CNIT 25500 Object Oriented Programming

OLS Any OLS Course Offered at the Anderson Location (see Anderson Student Services Coordinator)