PURDUE UNIVERSITY

Industrial Technology

College of Technology

TTLI-IT-BS/IT
120 Credits for graduation

Name: _____ **PUID:** _____ **Date:** _____

Departmental/Program Major Courses (36 credits)

_____ (3) IT 10400 Industrial Organization
_____ (3) IT 21400 Introduction to Lean Manufacturing
_____ (3) IT 23000 Industrial Supply Chain Management
_____ (3) IT 28100 Industrial Safety or IT 35100 Industrial Safety Advanced Industrial Safety and Health Management
_____ (3) IT 34200 Introduction to Statistical Quality
_____ (3) IT 34500 Automatic Identification and Data Capture
_____ (3) IT 38100 Total Productive Maintenance
_____ (3) IT 38500 Industrial Ergonomics
_____ (3) IT 44200 Production Planning
_____ (3) IT 44600 Six Sigma Quality
_____ (3) IT 45000 Production Cost Analysis
_____ (3) IT 48300 Facility Design for Lean Manufacturing

Other Departmental /Program Course Requirements (69 credits)

_____ (5) MA Foundation Selective[1] **(*satisfies Quantitative Reasoning* for core)** (See Supplemental Information)
_____ Possible Second Mathematics Foundation Selective if needed[1] (See Supplemental Information)
_____ (3) Science Foundation Selective[2] ***(satisfies Science for core)*** (See Supplemental Information)
_____ (3) Science Foundation Selective[2] ***(satisfies Science for core)*** (See Supplemental Information)
_____ (4) PHYS 21800 General Physics
_____ (3) STAT 30100 Elementary Statistical Methods
_____ (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) PSY 12000 Elementary Psychology
_____ (3) Humanities Foundation Selective[3] ***(satisfies Human Cultures Humanities for core)*** (See Supplemental Information)
_____ (3) COM 11400 ***(satisfies Oral Communication for core)***
_____ (3) Written Communication Foundation Selective[4] ***(satisfies Written Communication for core)*** (See Supplemental Information)
_____ (3) Advanced Communication Selective[5] (See Supplemental Information)
_____ (3) Advanced Communication Selective[5] (See Supplemental Information)
_____ (3) AT 26300 Fluid Power Systems
_____ (3) CGT 11000 Technical Graphics Communication
_____ (3) CNIT 17500 Visual Programming
_____ (3) ECET 22400 Electronic Systems
_____ (3) Materials and Processes Selective[6] (See Supplemental Information)
_____ (3) MET 24500 Manufacturing Systems
_____ (3) MFET 30000 Applications of Automation in Manufacturing

Free Electives[7] (12 credits) and Technical Electives[8] (3 credits) (See Supplemental Information)

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

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

Human Cultures Humanities		*Science, Technology & Society Selective*	**TECH 12000**
Human Cultures Behavioral/Social Science	**ECON 21000**	*Written Communication*	**ENGL 10600/10800**
Information Literacy	**TECH 12000**	*Oral Communication*	**COM 11400**
Science Selective		*Quantitative Reasoning*	**MATH -**
Science Selective			

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The student is ultimately responsible for knowing and completing all degree requirements.
myPurdue Plan is the knowledge source for specific requirements and completion.

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Revised 5/6/2014(effective Fall 2013)

Industrial Technology

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	IT 10400		3	IT 21400	
3	PSY 12000		3	CGT 11000	
3	TECH 12000*		3	COM 11400*	
3	MA Foundation Selective[1]*		3	Materials & Processes Selective[6]	
3	Written Communication Foundation Selective[4]*		3	Math Foundation Selective[1]	
15			**15**		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	IT 23000		3	ECET 22400	MA Selective
3	AT 26300	MA Selective	3	ECON 21000*	
3	CNIT 17500	MA Selective	3	MET 24500	CGT 11000, MA Selective, Mtls & Proc Selective
3	Humanities Foundation Selective[3]*		4	PHYS 21800 or PHYS 22000	MA Selective
3	Science Foundation Selective[2]*		3	Free Elective[7]	
15			**16**		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	IT 34200	MA Selective	3	IT 34500	
3	IT 35100		3	IT 38500	MA Selective
3	MFET 30000	ECET 22400 MET 24500	3	STAT 30100	MA Selective
3	TECH 32000	TECH 12000	3	TECH 33000	TECH 12000
3	Advanced Communication Selective[5]		3	Science Foundation Selective[2]*	
15			**15**		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	IT 38100	IT 21400, IT 34200, PHYS 21800	3	IT 48300	IT 44200, MET 24500
3	IT 44200		3	Free Elective[7]	
3	IT 44600	IT 34200	3	Free Elective[7]	
3	IT 45000	MA Selective	3	Free Elective[7]	
3	Advanced Communication Selective[5]		3	Technical Elective[8]	
15			**15**		

***Fulfills University Core**

1) 120 credits listed above are required for the IT 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 Purdue University, West Lafayette.

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

Degree Works is knowledge source for specific requirements and completion

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IT Supplemental Information

All prerequisites must be met

[1]MA 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 15800 Precalculus – Functions & Trig & 2 cr. Free Elective
MA 15910 Intro to Calculus & 2 cr. of Free Elective
MA 16010 Applied Calculus & 2 cr. Free Elective
MA 16100 Plane Analytic Geometry & Calculus I
MA 16500 Integrated Calculus Analysis Geometry I
MA 22100 Calculus for Technology & 2cr. Free Elective
MA 22300 Intro Analysis I & 2cr. Free Elective

[2]Science Foundation Selective (6 credits)

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

[3]Humanities Foundational Selective (3 credits)

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

[4]Written Communication Foundation Selective (minimum 3 credits)

ENGL 10600 First-Year Composition
ENGL 10800 Accelerated First-Year Composition

[5]Advanced Communication Selective (6 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
ENGL 30400 Advanced Composition
ENGL 30600 Intro Professional Writing
ENGL 42000 Business Writing
ENGL 42100 Technical Writing

[6]Materials and Processes Selective (3 credits)

MET 14300 Materials & Processes I
MET 14400 Materials & Processes II

[7]Free Elective (12 credits)

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

[8]Technical Elective (3 credits)

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