

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

Fall 1 st Year	CR	GR	Fulfilled by	Spring 1 st Year	CR	GR	Fulfilled by
ENGT 18000 ENG Tech Foundations	3			Materials & Processes Selective	3		
ENGT 18100 ENG Tech Applications	1						
TECH 12000 Design Thinking in Tech.*	3			TLI 11200 Foundation of Org Leadership	3		
Mathematics Selective	3			Oral Communication Selective	3		
Written Communication Selective*	3			Behavioral/Social Science Selective*	3		
Computer Programming Selective	3			Humanities Selective*	3		
TOTAL CREDIT HOURS	16			TOTAL CREDIT HOURS	15		

Fall 2 nd Year	CR	GR	Fulfilled by	Spring 2 nd Year	CR	GR	Fulfilled by
IET 21400 Intro to Supply Chain	3			MET 24500 Manufacturing Systems (P: MET 14300 or 14400 and CGT 11000)	3		
TLI 21300 Project Management	3			ECON 21000 Principles of Economics	3		
ECET 22400 Electronic Systems (P: ENGT 18100)	3			IET 31600 Statistical Quality Control (P: Math Selective)	3		
Technical Graphics Selective	2			History of Science & Tech Selective	3		
PHYS 22000 General Physics I*	4			Lab Science Selective*	3		
TOTAL CREDIT HOURS	15			TOTAL CREDIT HOURS	15		

Fall 3 rd Year	CR	GR	Fulfilled by	Spring 3 rd Year	CR	GR	Fulfilled by
IET 31300 AIDC Tech Integration	3			IET 33520 Human Factor for Tech Sys	3		
IET 33400 Economic Analysis for Tech Sys (P: Math Selective)	3			IET 43530 Operations Plan & Mgmt. (P: Math Selective)	3		
IET 33620 Total Productive Maintenance (P: PHYS 22000, IET 31600 or STAT 30100)	3			IET 43640 Lean Six Sigma (P: IET 31600)	3		
Manufacturing Automation Selective	3			Advanced Oral Comm Selective	3		
STAT 30100 Elem Statistical Methods	3			Advanced Written Comm Selective	3		
TOTAL CREDIT HOURS	15			TOTAL CREDIT HOURS	15		

Fall 4 th Year	CR	GR	Fulfilled by	Spring 4 th Year	CR	GR	Fulfilled by
ENGT 48000 ET Capstone I [P: JR06 Standing, MET 24500, IET 43530 (concurrent), IET 43640 (concurrent)]	3			ENGT 48100 ET Capstone II (P: ENGT 480000)	3		
IET 43540 Facilities Plan & Mat Handling (P: Materials & Processes Sel & IET 43530)	3			IET 43630 Design of Experiments (P: IET 31600 or STAT 30100)	3		
Technical Elective	3			Elective	3		
Technical Elective	3			Elective	2		
Free Elective	3			Technical Elective	3		
TOTAL CREDIT HOURS	15			TOTAL CREDIT HOURS	14		

Refer to the 2020-21 IET Supplemental Instruction form for optional courses to complete selectives and pre-requisites.

- 120 semester credits and a 2.0 Graduation GPA are required for the Bachelor of Science degree.
- Students must earn a "D-" or better in all courses unless otherwise noted.
- Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.
- 32 credit hours of 300-level or higher courses must be completed at Purdue University.
- Complete a ¹Professional Requirement. Complete a ²Globalization/Intercultural Requirement.

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

Polytechnic New Albany
2020-2021 IET Supplemental Information

All prerequisites must be met

Bold indicates courses offered at New Albany location.

See Student Affairs Administrator for course availability.

¹**Professional Experience (0 credits)**

Please see your academic advisor for further details.

²**Globalization Experience (0 credits)**

Minimum requirements:

1. Complete Intercultural Development Inventory (IDI) Pre and Post Tests
2. Complete Beliefs, Events, and Values Inventory (BEVI) Pre and Post Tests
3. Complete an Intercultural Knowledge and Effectiveness (IKE) component
4. Complete TLI-Approved Global Course, Faculty-Led Study Abroad, International Internship, or International Capstone/Collaborative Project

Applies to any student	For students who are not within the demographic of the course
ANSC 38100 Leadership for a Diverse workplace ANTH 20500 Human cultural Diversity ANTH 21200 Culture, Food and Health ANTH 23000 Gender Across Cultures ANTH 34000 Global Perspectives on Health AT 22300 Human Factors for Flight Crews CGT 17208 Human Centered Design & Development Studio COM 22400 Communicating in the Global Workplace COM 32000 Small Group Communication COM 41200 Theories of Human interaction ECET 38001 Global Professional Issues in ET ENGL 41400 Literature & Culture EDPS 31600 Collaborative Leadership: Cross-cultural Stgs HIST 19500: Historical Research & Film HIST 33805 History of Human Rights HTM 37000 Sustainable Tourism and Responsible Travel HTM 37200: Global Tourism Geography PHIL 43500 Philosophy of Mind POL 23500 Rich and Poor Nations POL 42900 Variable Title: It's a Complex World SOC 10000 Intro to Sociology SOC 33900 Introduction to Sociology of Developing Nations TECH 33000 Technology and the Global Society WGSS 38000 Gender and Multiculturalism	AAS 27100 Intro to African American Studies ANTH 37900 Native American Cultures ASAM 24000 Intro to Asian American Studies ARAB 28000 Arabic culture COM 38000 Sociolinguistic Study of African American English HDFS 28000 Diversity in Individual and Family Life HIST 36600 Hispanic Heritage of the USA HIST 37600 History of Indiana HIST 37700 History & Culture of Native America HIST 46900 Black Civil Rights Movement HIST 47900 Amer. Represent. of Middle East & North Africa HIST 49900 History of Sexual Regulation in the United States POL 22200 Women, Politics & Public Policy POL 32600 Black Political Participation in America POL 36000 Women and the Law SOC 31000 Racial and Ethnic Diversity WGSS 28200 Intro to LGBT Studies WGSS 38300 Women and Work

Mathematics Selective (3 credits)

MA 15800 Precalculus- Functions and Trigonometry

MA 16010 Applied Calculus I

MA 16100 Plane Analytic Geometry & Calculus I

MA 16200 Plane Analytic Geometry & Calculus II

MA 16500 Analytic Geometry & Calculus I

MA 16600 Analytic Geometry & Calculus II

Behavioral/Social Science and ⁵Humanities Selectives (3 credits each)

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

Lab Science Selective (3 credits)

Must be at least a 3 credit hour lab based course from the approved UCC Science list: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

Oral Communication Selective (3 credits)

COM 11400 Fundamentals of Speech Comm

SCLA 10200 Trans. Texts, Critical Thinking & Comm II: Modern World

Written Communication Selective (3 credits)

ENGL 10600 First-Year Composition

ENGL 10800 Accelerated First-Year Composition

SCLA 10100 Trans. Texts, Critical Thinking & Comm I: Antiquity to Mod

Advanced Oral Communication Selective (3 credits)

COM 31400 Advanced Presentational Speaking

COM 31500 Speech Comm Of Tech Information

COM 31800 Principles of Persuasion

COM 32000 Small Group Communication

COM 32400 Introduction to Org Communication

COM 32500 Interviewing: Principles and Practice

COM 41500 Discussion of Technical Problems

COM 43500 Comm and Emerging Technologies

2020-2021 IET Supplemental Information

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Advanced Written Communication Selective (3 credits)

ENGL 30400 Advanced Composition
ENGL 30600 Intro to Professional Writing
ENGL 41900 Multimedia Writing

ENGL 42000 Business Writing
ENGL 42100 Technical Writing
ENGL 42400 Writing for High Tech Industries

Computer Programming Selective (3 credits)

CNIT 10500 Introduction to C Programming
CNIT 15500 Intro to Object-Oriented Programming
CNIT 15501 Introduction to Software Development Concepts
CNIT 17500 Visual Programming
CS 15800 C Programming

CS 15900 C Programming
CS 17700 Programming with Multimedia Objects
CS 18000 Problem Solving and Object-Oriented Programming
MET 16400 Computing in Engineering Technology

History of Science and Technology Selective (3 credits)

HIST 30305 Kitchens Cooking & Food Mod Amer
HIST 30605 Technology and War in U.S. History
HIST 31405 Tech & Gender in American History
HIST 31505 American Beauty
HIST 33000 History of The Brit Empire & Commonwealth, 1783 To 1960
HIST 33400 Sci & Society in West Civ II
HIST 35000 Sci & Society in 20th Century World

HIST 38001 History of United States Agriculture
HIST 38400 History of Aviation
HIST 38700 History of the Space Age
HIST 49400 Science & Society American Civ
POL 42900 Contemporary Political Problems
TLI 29900 Tech & Culture through History

Manufacturing Automation Selective (3 credits)

MET 28400 Introduction to Industrial Controls
MFET 30000 Applications of Automation in Manufacturing

MFET 34400 Automated Manufacturing Processes

Materials & Processes Selective

MET 14300 Materials & Processes I

MET 14400 Materials & Processes II

Technical Graphics Selective (2 credits)

CGT 11000 Technical Graphics Communications
CGT 16300 Graphical Communication and Spatial Analysis

ENGT 10500 Industrial Technology Introduction to Design

Technical Elective (9 credits)

Any Polytechnic Institute or Engineering (ENGR or EPCS) course not already required on the plan of study.

Free Electives (8 credits)

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