

Fall 1 st Year	CR	GR	Fulfilled by	Spring 1 st Year	CR	GR	Fulfilled by
MA 16010 Applied Calculus I (Prereq: ALEKS score 75)	3			MET 10200 Production Design and Specifications (Pre-reqs: CGT selective and ENGT 18000)	3		
TECH 12000 Design Thinking in Tech.*	3			MET 11100 Applied Statics (Prereqs: ENGT 18000)	3		
MET 14300 Materials and Processes I	3			MET 14400 Materials and Processes II	3		
ENGT 18000 ENG Tech Foundations (Pre-req: ALEKS 60, SAT 570, ACT 24, or MA 15300 or higher)	3			MA 16020 Applied Calculus II (Pre-req: MA 16010 with grade of C- or higher)	3		
ENGT 18100 ENG Tech Applications (pre or concurrent with ENGT 18000)	1			Freshman Composition Selective*	3		
Computer Graphics Technology Selective (CGT 11000, CGT 16300, or ENGT 10500)	2						
TOTAL CREDIT HOURS	15			TOTAL CREDIT HOURS	15		

Fall 2 nd Year	CR	GR	Fulfilled by	Spring 2 nd Year	CR	GR	Fulfilled by
ECET 22400 Electronics Systems (Pre-req: MA 16010)	3			MET 22000 Heat And Power (Pre-reqs: PHYS 22000, MA 16010 and ENGT 18000)	3		
MET 21100 Applied Strength of Materials (Pre-reqs: MET 11100 and MA 16010)	4			MET 23000 Fluid Power [Pre-reqs: (MET 11100 or PHYS 22000) and MA 16010]	3		
Programming Selective	3			Freshman Speech Selective*	3		
PHYS 22000 General Physics I	4			MET 28400 Intro to Industrial Controls (Pre-req: ECET 22400)	3		
				PHYS 22100 General Physics* (Prereq: PHYS 22000)	4		
TOTAL CREDIT HOURS	14			TOTAL CREDIT HOURS	16		

Fall 3 rd Year	CR	GR	Fulfilled by	Spring 3 rd Year	CR	GR	Fulfilled by
CHM 11100 General Chemistry	3			STAT 30100 Elementary Stat Methods	3		
MET 32000 Applied Thermodynamics (Pre-reqs: MA 16010 and MET 22000)	3			Technical Writing Selective*	3		
MET 21300 Dynamics (Pre-reqs: MA 16010 and MET 11100)	3			MET 34600 Advanced Materials in Mfg (Pre-reqs: MET 21100, MET 24500 and CHM 11100)	3		
MET 24500 Manufacturing Systems (Pre-reqs: (MET 14300 or MET 14400) and CGT Selective)	3			Economics/Finance Selective*	3		
Humanities Selective*	3			Global/Professional 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
IET 33400 Economic Analysis For Technology Systems	3			MET Capstone Selective II (Pre-reqs: Capstone Selective I)	3		
MET Capstone Selective I	3			MET Elective or approved Focus Area elective	3		
MET 31300 Applied Fluid Mechanics (Pre-reqs: MA 16020, MET 22000 and MET 23000)	3			Technical Selective or approved Focus Area elective	3		
Technical/Management Selective	3			Behavioral Social Science Selective*	3		
Mechanics Selective*	3			Communications Selective +	3		
TOTAL CREDIT HOURS	15			TOTAL CREDIT HOURS	15		

Refer to the 2020 MET 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 Professional Requirement. Complete an Intercultural Requirement.

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

Polytechnic Kokomo

2020-2021 MET SUPPLEMENTAL INFORMATION--All prerequisites must be met.

Bold indicates courses offered at the Kokomo campus

See Student Services Coordinator for course availability

CGT SELECTIVE

CGT 11000 Technical Graphics Communications

CGT 16300 Graphical Communication and Spatial Analysis

ENGT 10500 Intro to Engineering Design

FRESHMAN COMPOSITION

ENGL 10600 First-Year Composition

ENGL 10800 Accelerated First-Year Composition

HONR 19903 Interdisciplinary Approaches in Writing

SCLA 10100 Transformative Text, Critical Thinking and Communication I: Antiquity to Modernity

FRESHMAN SPEECH SELECTIVE

COM 11400 Fundamentals of Speech Communication

SCLA 10200 Transformative Texts, Critical Thinking and Communication II: Modern World

ECONOMICS/FINANCE SELECTIVE

AGEC 21700 Economics

CSR 34200 Personal Finance

ECON 21000 Principles of Economics

ECON 25100 Microeconomics

ECON 25200 Macroeconomics

ENTR 20000 Introduction to Entrepreneurship and Innovation

COMMUNICATIONS SELECTIVE

COM 31500 Speech Communication of Technical Information

COM 32000 Small Group Communication

COM 41500 Discussion of Technical Problems

EDPS 31500 Collaborative Leadership: Interpersonal Skills

TECHNICAL WRITING SELECTIVE

ENGL 42100 Technical Writing

ENGL 42400 Writing For High Technology Industries

PROGRAMMING SELECTIVE

CNIT 10500 Introduction to C Programming

CNIT 15500 Introduction to Object-Oriented Programming

CNIT 15501 Introduction To Software Development Concepts

CNIT 17500 Visual Programming

CS 15900 Programming Applications for Engineers

CS 17700 Programming With Multimedia Objects

CS 18000 Problem Solving And Object-Oriented Programming

MET 16400 Computing In Engineering Technology

TECHNICAL SELECTIVE

A 300-400 level ENGR, ECET, MFET, CS or elective IET course. (excluding MFET 30000)

A CHM, MA, PHYS or STAT course beyond what is required.

Any MET elective course

Purdue 3+-session co-op with completed seminar courses

ANSC 23000 Physiology Of Domestic Animals

AT 27200 Introduction To Composite Technology

AT 27800 Nondestructive Testing For Aircraft

AT 47800 Advanced Nondestructive Testing

BCHM 22100 Analytical Biochemistry

BCM 23000 Mechanical And Electrical Systems

BCM 31500 Mechanical Construction Estimating

BCM 38000 Concrete Construction

BIOL 20300 Human Anatomy And Physiology

BIOL 22100 Introduction To Microbiology

CGT 11301 Product Data Management

CGT 30301 Digital Manufacturing

CE 35000 Introduction To Environmental And Ecological Engineering

CE 35500 Engineering Environmental Sustainability

HSCI 31200 Radiation Science Fundamentals

IE 57700 Human Factors In Engineering

MFET 28800 Smart Manufacturing Operational and Information Networks

NS 35000 Naval Ship Systems

IET 31300 Technology Innovation And Integration: Bar Codes To Biometrics

IET 33620 Total Productive Maintenance

MECHANICS SELECTIVE

MET 31100 Experimental Strength of Materials

MET 31400 Applications of Machine Elements

MET 31500 Applied Mechanism Kinematics and Dynamics

MET 31601 Mechanics of Machine Design

MET 31700 Machine Diagnostics

MET 41100 Introduction to the Finite Element Method
