

Name: _____ PUID: _____ Date: _____

Departmental/Program Major Courses (64 credits)

- _____ (3) CGT 11000 Technical Graphic Communications OR CGT 11600 Geometric Modeling for Visualization & Communication
- _____ (3) Computer-Aided Design Selective
- _____ (3) ECET Selective
- _____ (3) ECET Selective
- _____ (3) ENGT 18000 Engineering Technology Foundations
- _____ (1) ENGT 18100 Engineering Technology Foundations Laboratory
- _____ (3) MET 11100 Applied Statics
- _____ (3) MET 14300 Materials & Processes I OR MET 14400 Materials & Processes II
- _____ (3) MET 24500 Manufacturing Systems
- _____ (3) Programming Selective
- _____ (3) TLI 11100 Introduction to Manufacturing & Supply Chain Systems
- _____ (3) TLI 11200 Foundation of Organizational Leadership
- _____ (3) TLI 31600 Statistical Quality Control
- _____ (3) TLI 33400 Economic Analysis for Tech Systems

Technical Selectives 24 cr. hrs. (15 cr. hrs. must be 300/400 level)

- _____ (3) _____ (3) _____ (3) _____ (3)
- _____ (3) _____ (3) _____ (3) _____ (3)

Other Departmental /Program Course Requirements (56 credits)

- _____ (3) MA 15800 – Precalculus – Functions and Trigonometry (*satisfies Quantitative Reasoning for core*)
- _____ (3) MA 16010 - Applied Calculus I
- _____ (4) Lab Science Foundation Selective (*satisfies Science for core*)
- _____ (4) PHYS 21800 General Physics (*satisfies Science for core*)
- _____ (3) TECH 12000 Design Thinking in Technology (*satisfies Science, Technology & Society Selective and Information Literacy for core*)
- _____ (3) Technical/Management Selective
- _____ (3) Global/Professional Selective
- _____ (1) TECH 49600 Senior Design Project Proposal
- _____ (2) TECH 49700 Senior Design Project
- _____ (3) ECON 21000 (*satisfies Human Culture Behavioral/Social Science for core*)
- _____ (3) Humanities Foundation Selective (*satisfies Human Cultures Humanities for core*)
- _____ (3) COM 11400 Fundamentals of Speech Communication (*satisfies Oral Communication for core*)
- _____ (3) Written Communication Foundation Selective (*satisfies Written Communication for core*)
- _____ (3) Advanced Oral Communication Selective
- _____ (3) ENGL 42100 Technical Writing
- _____ (3) Humanities/Liberal Arts Elective
- _____ (3) Humanities/Liberal Arts Elective

Free Electives (6 cr. hrs.)

- _____ (3) _____ (3) _____

University Core Requirements

Human Cultures: Behavioral/Social Sciences	<input type="checkbox"/>	_____	Science	<input type="checkbox"/>	_____
Human Cultures: Humanities	<input type="checkbox"/>	_____	Science	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Science, Technology & Society	<input type="checkbox"/>	_____
Oral Communication	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Quantitative Reasoning	<input type="checkbox"/>	_____			

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

*****Updated 03-31-2016

Fall 1 st Year	CR	GR	Sem	Fulfilled by	Spring 1 st Year	CR	GR	Sem	Fulfilled by
Written Communication Foundation Selective*	3				Programming Selective	3			
ENGT 18000 – Engineering Technology Foundations	3				MA 16010 Applied Calculus I (Prereq: MA 15800 with grade of C- or better or ALEKS score 75)	3			
ENGT 18100 – Engineering Technology Applications	1				Humanities Foundation Selective*	3			
MA 15800* - Precalculus – Functions & Trigonometry (Prereq ALEKS score 60)	3				PHYS 21800 General Physics*	4			
MET 14300 – Materials & Processes I OR MET 14400 Materials & Processes II	3				COM 11400 Fundamental of Speech Communication*	3			
TECH 12000 Design Thinking in Tech.*	3								
TOTAL CREDIT HOURS	16				TOTAL CREDIT HOURS	16			

Fall 2 nd Year	CR	GR	Sem	Fulfilled by	Spring 2 nd Year	CR	GR	Sem	Fulfilled by
CGT 11000 – Technical Graphic Communications OR CGT 11600 Geometric Model for Visualztn & Comm	3				MET 11100 Applied Statics (Prereqs: MA 15800 and MET 16200)	3			
ECET Selective	3				ECET Selective	3			
Humanities/Liberal Arts Elective	3				Computer-Aided Design Selective	3			
Technical Selective	3				Lab Science Foundation Selective*	4			
TLI 11200 Foundation of Organizational Leadership	3				TLI 11100 Introduction to Manufacturing & Supply Chain	3			
TOTAL CREDIT HOURS	15				TOTAL CREDIT HOURS	16			

Fall 3 rd Year	CR	GR	Sem	Fulfilled by	Spring 3 rd Year	CR	GR	Sem	Fulfilled by
MET 24500 – Manufacturing Systems	3				ECON 21000 – Principles of Economics	3			
ENGL 42100 Technical Writing (Prereq: ENGL 10600)	3				Advanced Oral Communication Selective	3			
Technical/Management Selective	3				Global/Professional Selective	3			
TLI 31600 or IT 34200 Statistical Quality Control (Prereq: MA 15800)	3				Technical Selective	3			
Technical Selective	3				Technical Selective (300- 400 level)	3			
TOTAL CREDIT HOURS	15				TOTAL CREDIT HOURS	15			

Fall 4 th Year	CR	GR	Sem	Fulfilled by	Spring 4 th Year	CR	GR	Sem	Fulfilled by
TECH 49600 – Senior Design Project	1				TECH 49700 – Senior Design Project	2			
TLI 33400 Economic Analysis for Tech Systems or IT 45000 Production Cost Analysis (Prereq: Math/Stat Selective)	3				Technical Selective (30000- 40000 level)	3			
Technical Selective (30000- 40000 level)	3				Technical Selective (30000- 40000 level)	3			
Technical Selective (30000- 40000 level)	3				Humanities/Liberal Arts Elective	3			
Free Elective	3				Free Elective	3			
TOTAL CREDIT HOURS	13				TOTAL CREDIT HOURS	14			

*Fulfills University Core Requirement

1. 120 semester credits and a 2.0 Graduation GPA are required for the 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 University location conferring the degree.
4. Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.

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

***** Updated 03/31/2016

ET Supplemental Information

All prerequisites must be met

WRITTEN COMMUNICATION FOUNDATION SELECTIVE

ENGL 10600 First Year Composition

ENGL 10800 Accelerated First Year Composition

PROGRAMMING SELECTIVES

CNIT 10500 Introduction to C Programming

CNIT 15501 Introduction to Software Development Concepts

CNIT 17500 Visual Programming

MET 16400 Computing in Engineering Technology

HUMANITIES FOUNDATIONAL SELECTIVE

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

HIST 15100 American History to 1877

HIST 15200 US From 1877

MUS 25000 Music Appreciation

PHIL 11000 Intro to Philosophy

PHIL 11100 Ethics

ECET SELECTIVES

ECET 22400 Electronics Systems

ECET 17700 DAQ and Systems Control

ECET 17900 Intro to Digital Systems

COMPUTER-AIDED DESIGN SELECTIVES

CGT 22600 Introduction to Constraint-based Modeling

MET 10200 Production Design and Specifications

LAB SCIENCE SELECTIVES

BIOL 11000 Fundamentals of Biology I

BIOL 20300 Human Anatomy and Physiology

CHM 11100 General Chemistry I

CHM 11200 General Chemistry II

PHYS 21900 General Physics II

PHYS 22100 General Physics

PHYS 24100 Electricity and Optics

TECHNICAL /MANAGEMENT SELECTIVES

MGMT 20000 Intro to Accounting

MGMT 45500 Legal Background for Business I

TECH 32000 Technology and the Organization

TLI 21300 Project Management

GLOBAL/PROFESSIONAL SELECTIVES

ECET 38001 Global/Professional Issues in Electrical Engineering Technology

TECH 33000 Technology and the Global Society

TLI 35600 Global Technology Leadership

ADVANCED ORAL COMMUNICAITON SELECTIVE

COM 3200 Small Group Communications

COM 30300 Intercultural Communication OR **COM 31400 Adv. Presentational Speaking**

TECHNICAL SELECTIVES

At least 15 credit hours must be at the 30000 level or above and at least 6 credit hours must be in the same discipline

ECET 17900 Intro to Digital Systems
ECET 27900 Embedded Digital Systems
ECET 30201 Introduction to Industrial Controls
ECET 32700 Instrumentation and DAQ Design
ECET 33700 Analog Signal Processing
ECET 43000 Electronics Product and Program Management
ECET 46000 Project Design and Development
ECET 38500/ECET 49900 Intro to Automotive Electronics
TLI 23500 Introduction to Lean and Sustainable Systems
TLI 31400 Leading Innovation in Organizations
TLI 31500 Innovative Product Development and Testing
TLI 33520 Human Factors for Technology Systems
TLI 33610 Risk Analysis & Assessment
TLI 33620 Total Production Maintenance
TLI 41400 Financial Analysis for Technology Systems
TLI 43530 Operations Planning and Management
TLI 43540 Facilities Planning
TLI 43640 Lean Six Sigma
TLI 45700 Technology Policy & Law
MET 23000 Fluid Power
MET 38200 Controls & Instrumentation
MET 48200 Mechatronics
MFET 34400 Automated Manufacturing Processes
MFET 37400 Manufacturing Integration

HUMANITIES/LIBERAL ARTS ELECTIVES

Any course offered at Anderson from the following disciplines: **Anthropology, English, History, Philosophy, Political Science, Psychology**, Religious Studies, **Sociology**, Theatre, Women's Studies, or Foreign Languages (except native language courses)

FREE ELECTIVES

Courses from any discipline offered at Anderson at the 20000 – 40000 level.

Bold print indicates course offered at Purdue Polytechnic Anderson.