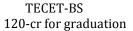**"D-"or better required in all ECET courses that are a prerequisite to CNIT course**
Departmental/Program Major Courses (120 credits)
Required Major Courses (34 credits)
*Denotes Kokomo Campus Course Offering Departmental/Program Major Courses (120 credits)

- (3) ECET 12000 - Gateway to EET
- (3) ECET 17700 - Data Acquisition and Systems Control
- (3) ECET 17900 - Introduction to Digital Systems
- (1) ECET 22000 - Professional Career Development
- (3) ECET 22700 - DC and Pulse Electronics
- (3) ECET 22900 - Concurrent Digital Systems
- (3) ECET 27000 - Electronics Prototype Development and Construction
- (3) ECET 27300 - Modern Energy Systems
- (3) ECET 27400 - Wireless Communications
- (3) ECET 38001 - Global Professional Issues in EET
- (3) ECET 43000 - Electrical & Electronic Product & Program Management
- (3) ECET 46000 - Project Design & Development

ECET Selectives – Select six of the following courses by category (18 credits)

- (3) ECET Sophomore Selective (choose from ECET 27700 or ECET 27900)
- (3) ECET Advanced Analysis Selective (choose from ECET 33500, ECET 33700, ECET 33900)
- (12) ECET Selectives

Other Departmental/Program Course Requirements (68 credits)

- (3) CNIT 10500 - Introduction to C Programming
- (3) COM 11400 Fundamentals of Speech Communication **(*SPCH-S121)** *(satisfies Oral Communication for core)*
- (3) MA 1610 - Applied Calculus I *(satisfies Quantitative Reasoning for core)*
- (3) MA 1620 - Applied Calculus II (*satisfies Quantitative Reasoning Selective* for core)
- (4) PHYS 218 - General Physics ***PHYS 201 (IUK)** *(satisfies Science for core)*
- (4) PHYS 219 - General Physics II ***PHYS 202 (IUK)** *(satisfies Science for core)*
- (3) TECH 12000 - Design Thinking in Technology *(satisfies Information Literacy* and *Science, Technology & Society for core)*
- (3) ENGL 10600 English First Year Composition **or** ENGL 10800 Accelerated First-Year Composition **(*ENG W131)** *(satisfies Written Communication for core)*
- (3) Business Selective (choose from list, with the requirement that the *Human Cultures: Behavioral/Social Sciences* category for core must be met by either the Business Selective or a General Education Selective)
- (3) General Education Selective (choose from list, with the requirement that the *Human Cultures: Behavioral/Social Sciences* category for core must be met by either the Business Selective or a General Education Selective)
- (3) General Education Human Cultures: Humanities Selective (choose from list)
- (6) General Education Selectives (choose from list)
- (6) Communication Selectives (choose from list)
- (3) Industrial Economics Selective ***IT 45000 (IUK)**
- (3) Statistics Selective ***STAT 30100 (IUK)**
- (12) Technical Selectives (choose 4 additional *technical courses*, two of which can be *ECET Selectives*)
- (3) Free Elective

University Core Requirements

Human Cultures Humanities	☐ **UCC Selective**	*Science, Technology & Society Selective*	☐ **TECH 12000**
Human Cultures Behavioral/Social Science	☐ **UCC Selective**	*Written Communication*	☐ **ENGL 10600/10800**
Information Literacy	☐ **TECH 12000**	*Oral Communication*	☐ **COM 11400**
Science Selective	☐ **UCC Selective**	*Quantitative Reasoning*	☐ **MA 16010**
Science Selective	☐ **UCC Selective**	*Quantitative Reasoning*	☐ **MA 16020**

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

PURDUE
U N I V E R S I T Y

Name:_____ *ID:_____*

Fall 1st Year	CR	GR	Sem	Spring 1st Year	CR	GR	Sem
ECET 12000 Gateway to EET	3			ECET 17700 DAQ & Systems Control (Prereq: ECET 12000)	3		
*ENGL 10600/10800 *ENG W131 (IUK)	3			ECET 17900 Intro to Digital Systems (Prereq: ECET 12000 and CNIT 10500)	3		
CNIT 10500 Intro to C Programming	3			*COM 11400 Fund of Speech Communication *SPCH-S121 (IUK)	3		
*MA 16010 Applied Calculus I (Prereq: ALEKS Score of 75%)	3			MA 16021 Applied Calculus II (MA 222 IU) (Prereq: MA 16010 with grade of C-or better)	3		
TECH 12000 Design Thinking in Tech.	3			General Education Selective**	3		
TOTAL CREDIT HOURS	**15**			**TOTAL CREDIT HOURS**	**15**		

Fall 2nd Year	CR	GR	Sem	Spring 2nd Year	CR	GR	Sem
ECET 22000 Prof Career Development	1			ECET 27000 Electronics Prototype Dev/Const (Prereq: ECET 17900, ECET 22700, and ECET 22900)	3		
ECET 22700 DC & Pulse Electronics (Prereq: ECET 17700 and M A 16010)	3			ECET 27400 Wireless Communications (Prereq: ECET 22700, ECET 27000 (taken concurrently))	3		
ECET 22900 Concurrent Digital Systems (Prereq: ECET 12000)	3			ECET 27700 AC & Power Electronics (Prereq: ECET 17700 and MA 16010) *or* ECET 27900 Embedded Digital Systems (Prereq: ECET 17900)	3		
ECET 27300 Modern Energy Systems (Prereq: ECET 12000 and PHYS 21800)	3			*Communication Selective	3		
PHYS 21800 General Physics I*PHYS-P201 (IUK)	5			PHYS 21900 General Physics II *PHYS-P202 (IUK) (Prereq: PHYS 21800)	5		
TOTAL CREDIT HOURS	**15**			**TOTAL CREDIT HOURS**	**17**		

Fall 3rd Year	CR	GR	Sem	Spring 3rd Year	CR	GR	Sem
ECET 33700 Analog Signal Processing[AAS] (Prereq: ECET 27700 and MA 16021)	3			ECET 33900 Digital Signal Processing[AAS] (Prereq: ECET 27900 and MA 16021)	3		
ECET Selective	3			ECET 38001 Global Professional Issues in EET (Prereq: Junior Classification or higher)	3		
STAT 30100 (MATH-K300*IU) Elem Statistical Methods	3			IT 45000 Production Cost Analysis	3		
Communication Selective Eng-W231 or W321 (IUK)	3			General Education Selective	3		
Business Selective**	3			ECET 27700 AC & Power Electronics (Prereq: ECET 17700 and MA 16010) *or* ECET 27900 Embedded Digital Systems (Prereq: ECET 17900)	3		
TOTAL CREDIT HOURS	**15**			**TOTAL CREDIT HOURS**	**15**		

Fall 4th Year	CR	GR	Sem	Spring 4th Year	CR	GR	Sem
ECET 43000 Elec Product & Prog Mgmt (Prereq: ECET 27000, ECET 38001, 9 CR of ECET Selectives, of which 3 CR can be concurrent)	3			ECET 46000 Project Design and Development (Prereq: ECET 43000)	3		
ECET Selective	3			ECET Selective	3		
General Education Selective	3			Free Elective	3		
Technical Selective	3			General Education Selective	3		
Technical Selective	3			Technical Selective	3		
TOTAL CREDIT HOURS	**15**			**TOTAL CREDIT HOURS**	**15**		

*Fulfills University Core Curriculum requirement. [AAS]Advanced Analysis Selective: may be taken in either the Fall or Spring semester, depending on course selected.

** University Core Curriculum *Human Cultures Behavioral/Social Science* may be selected to satisfy either the Business Selective or a General Education Selective requirement.

1. 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.
2. Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.
3. ECET 43000, ECET 46000 and 12 hours of ECET Selectives must be taken at the Purdue University location conferring the degree.
4. 32 credit hours of 300-level or higher courses must be completed at Purdue University

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All Prerequisites Must Be Met

Bold indicates courses offered at Kokomo Campus.
* Indicates IUK course for KOKOMO Campus only.
See Student Services Coordinator for course availability.

COMMUNICATIONS SELECTIVE

COM 21000 Debating Public Issues
COM 21200 Approaches to the Study of Interpersonal Communication
COM 31400 Advanced Presentational Speaking
COM 31500 Speech Communication of Technical Information
COM 31800 Principles of Persuasion
COM 32000 Small Group Communication

COM 32400 Introduction to Organizational Communication
*SPCH C321 Persuasion
*SPCH C380 Organizational Communication
*SPCH S122 Interpersonal Communication
*SPCH S229 Discussion and Group Methods

SCIENCE SELECTIVE & [6]LAB SCIENCE SELECTIVE (must take at least 3 credits of Science Selective with a Lab Component)

See approved list at: ***http://www.purdue.edu/provost/initiatives/curriculum/course.html*** and check schedule of classes to ensure the course is being offered with a lab component.
Students of Kokomo location see the following link to review how IU courses transfer to Purdue Core:
http://www.purdue.edu/provost/initiatives/curriculum/documents/Retro%20and%20Transfer%20Credit%20Course%20list%205-27-14.pdf

*ANAT A215	***BIOL 270**	***CHM C390**
*AST A110	***BIOL 370**	EAPS 10200 Earth Science for Elementary Education*
*BIOL 105	BTNY 11000 Introduction to Plant Science*	EAPS 10900 The Dynamic Earth*
BIOL 11000 Fundamentals of Biology I*	***CHEM C100 + C120**	***GEOL G109**
BIOL 11100 Fundamentals of Biology II*	***CHEM C105 + C125**	***GEOL G133**
BIOL 13500 First Year Biology Laboratory*	***CHEM C106 + C126**	HORT 10100 Fundamentals of Horticulture*
BIOL 14501 First Year Biology Laboratory with Neuro Research Project*	CHM 11100 General Chemistry*	*PHYS P100
BIOL 14502 First Year Biology Laboratory with Micro Research Project*	CHM 11200 General Chemistry*	***PHYS 152**
	CHM 11500 General Chemistry*	PHYS 17200 Modern Mechanics*
	CHM 11600 General Chemistry*	**PHYS 201 General Physics***
BIOL 14600 Introduction to Biology*	CHM 12500 Introduction to Chemistry I*	**PHYS 202 General Physics II***
BIOL 20300 Human Anatomy and Physiology*	CHM 12600 Introduction to Chemistry II*	PHYS 22000 General Physics*
BIOL 20400 Human Anatomy and Physiology*	CHM 13600 General Chemistry Honors*	PHYS 22100 General Physics*
BIOL 20500 Biology for Elementary Teachers*	CHM 20000 Fundamentals of Chemistry*	***PHYS 251**
BIOL 20600 Biology for Elementary Teachers*	CHM 12901 General Chemistry with Biological Focus*	PHYS 27200 Electric and Magnetic Interaction

STATISTICS SELECTIVE

STAT 22500 Introduction to Probability Models
*STAT 30100 Elementary Statistical Methods
STAT 50100 Experimental Statistics I
STAT 51100 Statistical Methods

FREE ELECTIVE: Any non-remedial course: see ***https://tech.purdue.edu/sites/default/files/files/NoCreditCourses-2014.pdf***

HUMANITIES FOUNDATIONAL SELECTIVE: see ***http://www.purdue.edu/provost/initiatives/curriculum/course.html***
Students of Kokomo location see the following link to review how IU courses transfer to Purdue Core:
http://www.purdue.edu/provost/initiatives/curriculum/documents/Retro%20and%20Transfer%20Credit%20Course%20list%205-27-14.pdf

  *HER H100, H102
  *ENG L204
  *HIST H105, H106, H113, H114
  *PHIL P110, PHIL P120

BEHAVIORAL/SOCIAL SCIENCES FOUNDATIONAL SELECTIVE: see ***http://www.purdue.edu/provost/initiatives/curriculum/course.html***
Students of Kokomo location see the following link to review how IU courses transfer to Purdue Core:
http://www.purdue.edu/provost/initiatives/curriculum/documents/Retro%20and%20Transfer%20Credit%20Course%20list%205-27-14.pdf

  *ECON E201, E202
  *Any ENG-L
  *POLS Y103, Y217, 219
  *PSY P103
  *SOC S100, S101

ECET Selectives (12 hours): ECET Selectives can be selected from one or more of the following groups. Please note that not all ECET Selectives are offered every year.

Audio
ECET 38800 Analog IC Applications

Smart Environment
ECET 30201 Introduction to Industrial Controls
ECET 32700 Instrumentation and DAQ Design
ECET 37200 Process Control
ECET 436 Elec Power Tran Distribution & Smart Control

Smart Mobility
ECET 32300 Intro to Elec Vehicle Systems
ECET 33300 Power Electronics in Energy System
ECET 42301 Elec Vehicle Integr/Fabrication

Advanced Analysis Selective (3 hours): Choose one of the following courses in addition to the ECET Selectives: ECET 33500 Computer Architecture and Performance Evaluation, ECET 33700 Analog Signal Processing, or ECET 33900 Digital Signal Processing.

Technical Selectives (12 hours): Choose courses from the following categories with no more than 6 hours at the 100 level. To ensure breadth, students may take no more than 6 hours in any one subject area. Certain courses or areas are limited to 3 hours or cannot be used, as noted below.
- **ECET**: up to 6 hours additional ECET courses. ECET 29900 is limited to 3 credit hours.
- **College of Engineering**: up to 6 hours per subject area (discipline). ME 29700 and Engineering Projects in Community Service (EPICS) are each limited to 3 credit hours. First-Year Engineering (ENGR) courses cannot be used.
- **College of Technology**: up to 6 hours per subject area (discipline). ECET Co-op Sessions 1, 2 and 3. CNIT 136 cannot be used.
- **College of Science**: up to 6 hours per subject area (discipline) of lab-based physics (PHYS), chemistry (CHM) and biology (BIOL) courses; Computer Science (CS) courses; and higher-level mathematics (MA) courses: MA 26100, MA 26500 and MA 26600. CS 11000 and CS 23500 cannot be used.
- **College of Liberal Arts**: Up to 6 hours of THTR 25300, THTR 35300, or THTR 55300.

Communications Selective (6 hours): Must complete at least one course from each category (oral communication and written communication).
- **Written communication** (3 hours). ENG-W 231 Business Writing; ENG-W 32100 Technical Writing
- **Oral communication** (3 hours): Any communications (SPCH) course at the 200 level or higher.

Business Selective (3 hours): Select one of the following:
- **BUS A200 Foundations of Accounting**
  BUS A201 Intro to Financial Accounting
  BUS A202 Intro to Managerial Accounting
  BUS F260 Personal Finance
  BUS L201 Legal Environment of Business
- **IT 10400 Industrial Organizations**
  IT 23000 Industrial Supply Chain Mgmt
  IT 33000 Industrial Sales & Sales Mgmt
  IT 33200 Purchasing, Inventory & Warehouse

- **ECON E201 Microeconomics**
- **ECON E 202 Macroecomics**

- **OLS 25200 Human Relations in Org**
  OLS 27400 Applied Leadership
  OLS 28400 Leadership Principles
  OLS 32500 Meeting Management

One course from either the Business Selective of the General Selective category must be selected from the UCC approved list of Behavioral/Social Science courses.

General Education Selectives (12 hours). Select 12 hours in one or more of the subject area (discipline) listed below, with a limit of 6 hours in any one discipline; foreign languages are limited to 12 hours.

- One course must be selected from the UCC approved list of Human Culture: Humanities (http://www.purdue.edu/provost/initiatives/curriculum/course.html).
- One course must be selected from the UCC approved list of Human Culture: Behavior/Social Sciences (http://www.purdue.edu/provost/initiatives/curriculum/course.html), unless the student has selected a course indicated with a BSS for to satisfy the Business Selective requirement.

Within this framework, the student may select courses from the following subject area (discipline):
Foreign languages (except for courses in a student's native language)

African American Studies (AAS)	Bands (BAND)	Interdisciplinary Studies (IDIS)	Religious Studies (REL)
Art and Design (AD),	Classics (CLCS)	Linguistics (LING)	Sociology (SOC)
American Studies (AMST)	Comparative Literature (CMPL)	Music History and Theory (MUS)	Theater (THTR)
Anthropology (ANTH)	Communication (COM)	Philosophy (PHIL)	Women's Studies (WOST)
Asian American Studies (ASAM)	English (ENGL),	Political Science (POL)	ROTC (AFT, MILT, NS)
American Sign Language (ASL)	History (HIST)	Psychology (PSY)	

Upper-level courses: At least 32 hours of upper level (300 level or higher) must be completed at Purdue University; ECET 430, ECET 460 and at least 12 hours of ECET Selectives must be completed at the Purdue University location conferring the degree.   *Updated 5/23/2014*