PURDUE
U N I V E R S I T Y

Electrical Engineering Technology
College of Technology

TECET-BS
EETC
120-cr for graduation
"D-" or better required in all major courses

Departmental/Program Major Courses (120 credits)
Required Major Courses (34 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 https://tech.purdue.edu/sites/default/files/EET-fall-2014.pdf

Other Departmental/Program Course Requirements (68 credits)

- (3) CNIT 10500 - Introduction to C Programming
- (3) COM 11400 - Fundamentals of Speech Communication *(satisfies Oral Communication for core)*
- (3) MA 16010 - Applied Calculus I *(satisfies Quantitative Reasoning for core)*
- (3) MA 16021 - Applied Calculus II and Differential Equations
- (4) PHYS 21800 - General Physics *(satisfies Science for core)*
- (4) PHYS 21900 - General Physics II *(satisfies Science for core)*
- (3) TECH 12000 - Design Thinking in Technology *(satisfies Information Literacy* and *Science, Technology & Society for core)*
- (3) English Composition Selective (choose from ENGL 10600 or ENGL 10800) *(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 (choose from IET 45100 or IT 45000)
- (3) Statistics Selective (choose from STAT 30100 or STAT 22500)
- (12) Technical Selectives (choose 4 additional *technical courses*, two of which can be *ECET Selectives*)
- (3) Free Elective

University Core Requirements

Human Cultures: Behavioral/Social Sciences	☐	*Science*	☐
Human Cultures: Humanities	☐	*Science*	☐
Information Literacy	☐	*Science, Technology & Society*	☐
Oral Communication	☐	*Written Communication*	☐
Quantitative Reasoning	☐		

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

myPurduePlan is the knowledge source for specific requirements and completion.

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Updated 12/02/2014

PURDUE UNIVERSITY

School of Engineering Technology   Name: _____

Major: Electrical Engineering Technology (EET)

EET-BS Suggested Arrangement of Courses   Catalog Term: _____   PUID: _____

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

Fall 1st Year	CR	GR	Sem	Fulfilled by	Spring 1st Year	CR	GR	Sem	Fulfilled by
ECET 12000 Gateway to EET	3				ECET 17700 DAQ & Systems Control (Prereq: ECET 12000)	3			
ENGL 10600 First Year Composition* or ENGL 10800 Accel. First Year Comp*	3-4				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*	3			
MA 16010 Applied Calculus I* (Prereq: ALEKS Score of 75%)	3				MA 16021 Applied Calculus II with Diff Eqns* (Prereq: MA 16010 with grade of C-or better)	3			
TECH 12000 Design Thinking in Tech.*	3				PHYS 21800 General Physics I*	4			
TOTAL CREDIT HOURS	15				TOTAL CREDIT HOURS	16			

Fall 2nd Year	CR	GR	Sem	Fulfilled by	Spring 2nd Year	CR	GR	Sem	Fulfilled by
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 MA 16010)	3				ECET 27400 Wireless Communications (Prereq: ECET 22700, ECET 27000 (may be taken concurrently) and PHYS 21900)	3			
ECET 22900 Concurrent Digital Systems (Prereq: ECET 12000)	3				ECET 27700 AC & Power Electronics (Prereq: ECET 17700 and MA 16010) *or*	3			
ECET 27300 Modern Energy Systems (Prereq: ECET 12000 and PHYS 21800)	3				ECET 27900 Embedded Digital Systems (Prereq: ECET 17900)				
PHYS 21900 General Physics II* (Prereq: PHYS 21800)	4				General Education Selective**	3			
					Communication Selective	3			
TOTAL CREDIT HOURS	14				TOTAL CREDIT HOURS	15			

Fall 3rd Year	CR	GR	Sem	Fulfilled by	Spring 3rd Year	CR	GR	Sem	Fulfilled by
ECET 33700 Analog Signal Processing[AAS] (Prereq: ECET 27700 and MA 16021) *or* ECET 33900 Digital Signal Processing[AAS] (Prereq: ECET 27900 and MA 16021) *or* ECET Selective	3				ECET 33500 Comp Arch & Perform Eval[AAS] (Prereq: ECET 27900 and MA 16021) *or* ECET Selective	3			
					ECET 38001 Global Professional Issues in EET (Prereq: Junior Classification or higher)	3			
ECET Selective	3								
STAT 22500 Intro to Probability Models (Prereq: MA 16021) *or* STAT 30100 Elem Statistical Methods	3				IET 45100 Monetary Analysis for Ind Dec *or* IT 45000 Production Cost Analysis (Prereq: Junior Class. or higher, MA 16010)	3			
Communication Selective	3				General Education Selective	3			
Business Selective**	3				Technical Selective	3			
TOTAL CREDIT HOURS	15				TOTAL CREDIT HOURS	15			

Fall 4th Year	CR	GR	Sem	Fulfilled by	Spring 4th Year	CR	GR	Sem	Fulfilled by
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			

Refer to https://tech.purdue.edu/sites/default/files/EET-fall-2014.pdf for a complete list of requirements, options for selectives and pre-requisites.

*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.
2. Students must earn a "D-" or better in all courses.
3. Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.
4. ECET 43000, ECET 46000 and 12 hours of ECET Selectives must be taken at the Purdue University location conferring the degree.
5. 32 credit hours of 300-level or higher courses must be completed at Purdue University.

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*** *Updated 12/02/2014*