PURDUE UNIVERSITY

EET PLAN OF STUDY

Department of Electrical and Computer Engineering Technology
College of Technology, Purdue University
West Lafayette, Indiana
(765)494-7483 www.tech.purdue.edu/ecet

Name _____

PUID _____
Eff F04 Plan of Study revised 12/7/2009

****BACHELOR OF SCIENCE DEGREE ELECTRICAL ENGINEERING TECHNOLOGY**

CR	GR	semester 1	CR	GR	semester 2	CR	GR	semester 3	CR	GR	semester 4
4		ECET 10700 Intro to Circuit Analysis	4		ECET 15700 Electronics Circuit Analysis	4		ECET 20700 AC Elect Circuit Analysis	4		ECET 25700 Consumer Power Electronics
3		ECET 10900 Digital Fundamentals	4		ECET 15900 Digital Applications	4		ECET 20900 Intro to Microcontrollers	4		ECET 23100 Electrical Power & Controls
2		ECET 19600 Introduction to EET & Projects	3		CNIT 10500 Intro to C Programming	3		MA 22100 Calculus for Technology I	4		ECET 29700 Electronic Prototype Dev.
3		MA 15300 Algebra and Trigonometry I	3		MA 15400 Algebra and Trigonometry II	4		PHYS 21800 General Physics I	3		MA 22200 Calculus for Technology II
4		ENGL 10600 First-year Composition	3		COM 11400 Fundamentals of Speech	3		Humanities/Social Science Elective			
16			*17*			*18*			*15*		

CR	GR	semester 5	CR	GR	semester 6	CR	GR	semester 7	CR	GR	semester 8
4		ECET 30400 Intro to Comm Systems	4		ECET 39600 Project Dev. & Management	1		ECET 49600 Project Design & Dev, Ph I	1		ECET 49700 Project Design & Dev, Ph II
4		ECET 30700 Analog Signal Processing	4		ECET Elective	1		ECET 48000 Professional Issues in EET	3		Humanities/Social Science Elective
4		ECET Elective	4		ECET Elective	4		ECET Elective	3		Selective
3		ENGL 42100 Technical Writing	3		Humanities/Social Science Elective	3		Science Selective	3		Humanities/Social Science Elective
3		STAT 30100 Elem. Statistical Methods				3		Communication Selective	3		Free Elective
						3		Selective			
18			*15*			*15*			*13*		

NOTES:
Elective and Selective options listed on reverse side.
An industrial co-op program is available.

DEPARTMENTAL POLICY:
It is the responsibility of each student to assure that he or she fulfills the necessary prerequisites and courses to meet graduation requirements. Questions may be directed to an ECET counselor.

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

EET Program - ECET ELECTIVE and SELECTIVE GUIDELINES

ECET Electives

ECET 30200	Introduction to Control Systems
ECET 30900	Advanced Embedded Microcontrollers
ECET 32400	Fundamentals of Electromagnetics
ECET 32500	Computer Architecture, Modeling & Performance
ECET 33100	Generation and Transmission of Electrical Power
ECET 34500	Advanced Digital Systems
ECET 35700	Real-time Digital Signal Processing
ECET 35900	PC Interfacing and Applications
ECET 36000	CIM in Electronics Manufacturing
ECET 36800	Linear Integrated Circuits
ECET 37200	Process Control
ECET 38100	Electrical Distribution Systems
ECET 38500	Introduction to Automotive Electronics
ECET 42400	Wireless Systems: Design and Measurement
ECET 47400	Digital Communications
ECET 48300	Networking Fundamentals with Microcontrollers

Note: Four co-op experiences may substitute for an ECET elective

Communication Selective

COM 31400	Advanced Public Speaking
COM 31500	Speech Communication of Technical Information
COM 32000	Small Group Communication
COM 32500	Interviewing: Principles and Practice
COM 41500	Discussion of Technical Problems

Science Selective

Must be lab based Science from Chemistry, Physics, Biology, or Earth and Atmospheric Science. Popular Science Selectives:

BIOL 11000	Fundamentals of Biology I
BIOL 14600	Introduction to Biology
CHM 11100	General Chemistry
PHYS 21900	General Physics II
EAS 10900	The Dynamic Earth
EAS 11100	Physical Geology

Selectives

AGEC 21700	Economics
AGEC 33100	Principles Of Selling In Agricultural Business
AT 14400	Private Pilot Lectures
CGT 11000	Technical Graphics Communications
CNIT 17500	Visual Programming
CNIT 24000	Data Communications and Networking
CNIT 24200	Systems Administration
CNIT 26700	Introduction to C++ Language Programming
CSR 34200	Personal Finance
ECET 52500	Forensic Engineering Technology
ECON 21000	Principles Of Economics
ECON 25100	Microeconomics
ECON 25200	Macroeconomics
FNR 30100	Wood Products And Processing
FNR 41800	Properties Of Wood Related To Manufacturing
FNR 42500	Secondary Wood Products Manufacturing
I E 47700	Work Methods And Measurement
IT 10400	Industrial Organization
IT 34200	Introduction To Statistical Quality
IT 45000	Production Cost Analysis
MGMT 20000	Introductory Accounting
MGMT 20100	Management Accounting I
MGMT 32300	Introduction To Marketing Analysis
MGMT 45500	Legal Background for Business I
MET 14300	Materials & Processes I
MET 14400	Materials & Processes II
MET 24500	Manufacturing Systems
MET 23000	Fluid Power
MET 45100	Manufacturing Quality Control
MFET 24300	Automated Manufacturing I
MFET 24600	High Performance Manufacturing
MFET 30000	Applications of Automation in Manufacturing
MFET 40000	Computer Integrated Manufacturing
OBHR 30000	Management of Human Resources
OLS 25200	Human Behavior in Organizations
OLS 27400	Applied Leadership
OLS 33100	Occupational Safety and Health
PSY 27200	Intro to Industrial/Organizational Psychology
THTR 263 00	Introduction to Sound Studios
THTR 353 00	Theater Audio Technology I
THTR 553 00	Theater Audio Technology II

Foreign Languages (eg FR, SPAN, JPNS)

Note: Three co-op experiences may substitute for a selective .

Humanities/Social Science Electives

Students are required to select 4 Humanities/Social Science electives for the Bachelor of Science Degree in Electrical Engineering Technology. To satisfy this requirement, one elective must be selected from the Global Perspectives list and one from the Social Issues list. (Lists available from the ECET academic advisors or from ECET web-site.) The other two electives may be any courses from Anthropology, Art & Design, Communications, English, Foreign Languages, History, Music, Philosophy, Political Science, Psychology, Sociology, or Theater. Humanities/Social Science electives may be taken under the Pass/No Pass option. See *University Regulations.*

Minors

Minors are offered through a variety of disciplines. The discipline offering the minor establishes the requirements.

The student who chooses to pursue a minor must go to the individual college/school and obtain two copies of the current version. One copy must be provided to an ECET academic advisor and the other is for student's records.