



## EET PLAN OF STUDY

Department of Electrical and Computer Engineering Technology  
 Purdue University, College of Technology at Kokomo  
 Kelley Center – Room KC 265  
 Kokomo, Indiana 46904-9003  
<http://www.tech.purdue.edu/eet>

ECET Counselor: (765) 455-9339      ECET Department: (765) 455-9378  
 Degree Programs Accredited by TAC of ABET\*

Name \_\_\_\_\_

Date entered \_\_\_\_\_

Major Code: Ke1

### ASSOCIATE OF SCIENCE DEGREE

### ELECTRICAL ENGINEERING TECHNOLOGY

CR	GR	semester 1	CR	GR	semester 2	CR	GR	semester 3	CR	GR	semester 4
4		ECET 107 Introduction to Circuit Analysis	4		ECET 157 Electronics Circuit Analysis	4		ECET 207 AC Electronics Circuit Analysis	4		ECET 257 Power and RF Electronics
3		ECET 109 Digital Fundamentals	4		ECET 159 Digital Applications	4		ECET 209 Introduction to Microcontrollers	4		ECET 231 Electrical Power & Controls
2		ECET 196 Introduction to EET & Projects	3		C&IT 105 Introduction to C Programming	3		MA 221 Calculus for Technology I	4		ECET 297 Electronic Prototype Development
3		MA 153 Algebra and Trigonometry I	3		MA 154 Algebra and Trigonometry II	5		PHYS P 201 General Physics I	3		MA 222 Calculus for Technology II <sup>6</sup>
3		ENG W 131 Elementary Composition I	3		SPCH S 121 Public Speaking				3		Humanities/Social Science elective <sup>4</sup>
									0		Apply for AS degree, room KC 240
15			17			16			18		

Major Code: Ke2

### BACHELOR OF SCIENCE DEGREE

### ELECTRICAL ENGINEERING TECHNOLOGY

CR	GR	semester 5	CR	GR	semester 6	CR	GR	semester 7	CR	GR	semester 8
4		ECET 304 Intro to Communication Systems	4		ECET 396 Project Dev. & Management	1		ECET 496 Project Design & Dev, Ph I <sup>5</sup>	1		ECET 497 Project Design & Dev, Ph II
4		ECET 307 Analog Signal Processing	4		ECET Elective <sup>1</sup>	1		ECET 480 Professional Issues in EET	3		Humanities/Social Science Elective <sup>4</sup>
4		ECET Elective <sup>1</sup>	4		ECET Elective <sup>1</sup>	4		ECET Elective <sup>1</sup>	3		Selective <sup>3</sup>
3		ENG W 321 Technical Writing	3		Humanities/Social Science Elective <sup>4</sup>	3		Science Selective <sup>2</sup>	3		Humanities/Social Science Elective <sup>4</sup>
3		STAT 301 T Elemen. Statistical Methods				3		Communication Selective <sup>7</sup>	3		Free Elective
						3		Selective <sup>3</sup>	0		Apply for BS degree, room KC 240
18			15			15			13		

**NOTES:**

1. See reverse side for list of *ECET elective* courses.
2. Choose one lab-based science course from Biology, Chemistry, or Physics as a *Science Selective*.
3. See reverse side for list of *Selectives*.
4. See reverse side for policy concerning and list of *Humanities/Social Science electives*.
5. Must have completed A.S. degree and 8 credit hours of *ECET Elective* courses with a grade of "C" or better to enter ECET 496.
6. Terminal A.S. may substitute Science Selective or STAT 301
7. See reverse side for list of *Communication selectives*.

**DEPARTMENTAL POLICY:**

It is the responsibility of each student to assure that he or she schedules the necessary prerequisites and courses to meet graduation requirements. Questions may be directed to the counselors.

**EFFECTIVE: Fall 2004**

Revised October 15, 2004

\* Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, Maryland 21202. Telephone (410) 347-7700.

## EET Program - ECET ELECTIVE and SELECTIVE GUIDELINES

### ECET Electives - Note 1 {reverse side}

ECET 302	Introduction to Control Systems (ECET 231)
ECET 309	Advanced Embedded Microcontrollers (ECET 209)
ECET 325	Computer Architecture, Modeling & Performance (ECET 209, MA 222)
ECET 345	Advanced Digital Systems (ECET 159)
ECET 357	Real-time Digital Signal Processing (ECET 209, 307)
ECET 359	PC Interfacing and Applications (ECET 209)
ECET 368	Linear Integrated Circuits (Coreq ECET 307)
ECET 483	Networking Fundamentals with Microcontrollers (ECET 209)
ECET 488	Automatic Test Instrumentation (ECET 209, 257)

*These courses may be offered only once a year and the list of courses may be revised, see counselor for latest listing.*

### ECET Elective Interest Areas

*Elective courses recommended in areas of interest*

#### Analog Electronics

ECET 357, 368

#### Digital Systems

ECET 309, 345, 357

#### Microcomputer Systems

ECET 309, 357, 359, 483

#### Industrial Automation

ECET 302, 483

### Communication Selectives - Note 7 {reverse side}

SPCH S205	Introduction to Speech Communication
SPCH S223	Business and Professional Speech
SPCH S229	Discussion and Group Methods

### Selectives - Note 3 {reverse side}

BUS A201	Introduction to Financial Accounting
BUS A202	Introduction to Managerial Accounting
BUS F260	Personal Finance
BUS L201	Legal Environment of Business I
CPT 230	Data Communications
CPT 285	C Language Real Time Programming
CPT 330	PC Connectivity and Local Area Networking
ECON E200	Fundamentals of Economics
ECON E201	Introduction to Microeconomics
ECON E202	Introduction to Macroeconomics
IT 104	Industrial Organization
IT 342	Introduction to Statistical Quality
IT 450	Production Cost Analysis
IT 451	Monetary Analysis for Industrial Decisions
MET 141	Materials I
MET 142	Manufacturing Processes I
MET 213	Dynamics
MET 230	Fluid Power
MET 242	Manufacturing Processes II
OLS 252	Human Behavior in Organizations
OLS 274	Applied Leadership
OLS 331	Occupational Safety and Health
OLS 376	Human Resource Issues
Foreign Languages (e.g., French, German, Japanese, Spanish)	

- Notes:*
1. Select from the above list.
  2. Three co-op experiences substitute for a selective and four co-op experiences substitute for an ECET elective.

### Humanities/Social Science Electives

Note 4 {reverse side}

Students are required to select 4 Humanities/Social Science Electives for the Bachelor of Science Degree in Electrical Engineering Technology. To satisfy this requirement, two electives must be selected from the approved area lists for Global Perspectives (1 elective minimum) and Social Issues (1 elective minimum).

The other two electives may be any courses from Humanities (Communications, English, Foreign Languages, History, Philosophy, and Visual & Performing Arts) or Social Science (Anthropology, Political Science, Psychology, and Sociology). Humanities/Social Science electives may be taken under the Pass/No Pass option. See *University Regulations*.

### Humanities/Social Science Electives – Note4 {reverse side}

#### Global Perspectives

FREN F203-F204	Second-Year French I-II
GER G203-G204	Second-Year German I-II
HIST H114	History of Western Civilization II
HIST A346	American Diplomatic History II
HIST C392	History of the Modern Near East
HIST F447	United States-Latin American
POLS Y107	Introduction to Comparative Politics
POLS Y109	Introduction to International Relations
POLS Y343	Developmental Problems of the Third World
POLS Y360	United States Foreign Policy
POLS Y366	Current Foreign Policy Problems
SPAN S203-S204	Second-Year Spanish I-II
SPCH 427	Cross-Cultural Communication Foreign Language Level III

#### Social Issues

GEOG G315	Environmental Conservation
JOUR C200	Introduction to Mass Communications
LSTU L230	Labor and the Economy
LSTU L385	Class, Race, Gender, and Work
PHIL P140	Elementary Ethics
PHIL P145	Introduction to Social and Political Philosophy
PHIL P242	Applied Ethics
PSY P320	Social Psychology (PSY P103)
PSY P391	Psychology of Gender and Ethnicity
SOC S216	Sociology of American Ethnic Diversity
SOC S315	Work and Occupations
SOC S317	Inequality
SOC S335	Racial and Ethnic Relations (3 cr.hr. SOC)
SOC S338	Gender Roles
SOC S419	Social Movements and Collective Action
SPCH C200	Introduction to Mass Communication

#### Other Popular Humanities/Social Science Electives

	Foreign Language Level I
	Foreign Language Level II
ENG L101	Western World Masterpieces I
ENG L102	Western World Masterpieces II
ENG W132	English Composition II
FINA A108	Art of the Western World
FOLK F101	Introduction to Folklore
HIST H105	American History I
HIST H106	American History II
MUS M174	Appreciation of Music I
PHIL P100	Introduction to Philosophy
PHIL P150	Elementary Logic
POLS Y103	Introduction to American Politics
PSY P103	General Psychology
REL R152	Introduction to Religions of the West
SOC S100	Introduction to Sociology
SPCH S122	Interpersonal Communications