

# IUPUI School of Engineering and Technology

Student ID:

Student Name:

Program Entry Date:

Degree/Program Plan: B.S. Electrical Engr Tech

Program/Plan Code: TECH1 / EETBSBS

Requirement Term: 8/15/2015 [4158]

## 1st Semester

Course#	Units	Title	My 1st Semester
TECH 10200	1	First Year Seminar for Technology Majors	
TECH 10400	3	Tech Graphics Comm	
<b>TECH 10500</b>	<b>3</b>	<b>Intro to Engr Tech</b>	
<b>ECET 10900</b>	<b>3</b>	<b>Digital Fundamentals</b>	
ENGL W131	3	Reading, Writing, and Inquiry	
Gen Ed Elec	3	see approved crse list: Arts & Hum	

Credit Hours 16

## 2nd Semester

Course#	Units	Title	My 2nd Semester
<b>ECET 10700</b>	<b>4</b>	<b>Introduction to Circuit Analysis</b>	
<b>ECET 15500</b>	<b>3</b>	<b>Digital Fundamentals II</b>	
COMM R110	3	Fund of Speech Communication	
<b>MATH 22100</b>	<b>3</b>	<b>Calculus for Tech I</b>	
Gen Ed Elec	3	see approved crse list: Cultural	

Credit Hours 16

## 3rd Semester

Course#	Units	Title	My 3rd Semester
<b>ECET 15700</b>	<b>4</b>	<b>Electronics Circuit Analaysis</b>	
<b>TCM 21800</b>	<b>1</b>	<b>Intro to Engr Technical Reports</b>	
<b>ECET 16400</b>	<b>3</b>	<b>Applied Obj-Oriented Programming</b>	
IET 15000	3	Quantitative Methods for Technology	
<b>MATH 22200</b>	<b>3</b>	<b>Calculus for Tech II</b>	

Credit Hours 14

## 4th Semester

Course#	Units	Title	My 4th Semester
<b>ECET 20700</b>	<b>4</b>	<b>AC Electronics Circuit Analysis</b>	
<b>ECET 28400</b>	<b>4</b>	<b>Computer Communications</b>	
<b>TCM 21900</b>	<b>1</b>	<b>Intro to Technical Presenations</b>	
Math/Tech Sel	3	see approved course list	
<b>ECET 23100</b>	<b>4</b>	<b>Electrical Power &amp; Controls</b>	

Credit Hours 16 *\*Check with dept for list of approved electives or selectives.*

**Critical Courses are printed in bold font**

## 5th Semester

Course#	Units	Title	My 5th Semester
<b>ECET 20900</b>	<b>4</b>	<b>Introduction to Microprocessors</b>	
PHYS 21800	4	General Physics	
ECET Elec	3	see approved course list	
<b>TCM 22200</b>	<b>1</b>	<b>Intro to Technical Documenation</b>	
IET 35000	3	Engineering Econ	

Credit Hours 15

## 6th Semester

Course#	Units	Title	My 6th Semester
ECET 30700	4	Analog Network Signal Processing	
ECET Elec	3	see approved course list	
ECET Elec	3	see approved course list	
BUS X-100	3	Bus Administration: Intro	
ECET 49300	1	Ethics & Professionalism in Tech	

Credit Hours 14

## 7th Semester

Course#	Units	Title	My 7th Semester
ECET Elec	3	see approved course list	
ECET 49000	1	Senior Design Project Phase I	
TCM 41600	1	Adv Tech Specification and Doc	
Tech Elec	3	see approved course list	
CHEM-C101	3	Elementary Chemistry I LEC	
IET 36400	3	Total Quality Control	

Credit Hours 14

## 8th Semester

Course#	Units	Title	My 8th Semester
ECET Elec	3	see approved course list	
Sustain Sel	3	see approved course list	
ECET 49100	2	Senior Design Project Phase II	
TCM 41700	1	Adv Tech Design Presentations	
Gen Ed Elec	3	see approved crse list: Social Sci	
Tech Elec	3	see approved course list	

Credit Hours 15

**120** Total Credit Hours for BS Degree

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### Core Requirements - ECET Technical Specialty

Course#	Units	Term	Grade	Pre-requisites	Comments
TECH 10200	1				
TECH 10400	3				
<b>TECH 10500</b>	3			P or C: Math 11100 and Eng W131	
<b>ECET 10700</b>	4			P: TECH 10500 P or C: Math 15300	
<b>ECET 10900</b>	3			P or C: Math 11100	
<b>ECET 15500</b>	3			P: ECET 10900	
<b>ECET 15700</b>	4			P:ECET 10700 & Math 15300; C: TCM 21800	
<b>ECET 16400</b>	3			P or C: Math 15300	
<b>ECET 20700</b>	4			P orC: ECET 15700 & Math 15400	
<b>ECET 20900</b>	4			P:ECET 10900 & ECET 16400 or CIT 26200 or CIT 27000; C: TCM 22200	
<b>ECET 23100</b>	4			P: ECET 10900 & ECET 15700	
<b>ECET 28400</b>	4			P: ECET 10700; C: TCM 21900	
ECET 30700	4			P: ECET 20700 & Math 22100	
ECET 49000	1			P: 3 ECET 300or400 level ECET Elec; C: TCM 41600	
ECET 49100	2			P: ECET 49000; C: TCM 41700	
ECET Electives*					
ECET ____	3				
ECET ____	3				
ECET ____	3				
ECET ____	3				
ECET ____	3				
*ECET Electives: ECET 30200, ECET 30900,ECET 33100,ECET 35100, ECET 35700					
ECET 37100, ECET 38100 ,ECET 43400, ECET 48404					

total: 62

### Math and Science Requirements

Course#	Units	Term	Grade	Pre-requisites	Comments
<b>MATH 22100</b>	3			P: Math 15900 or Math 15400	
<b>MATH 22200</b>	3			P:Math 22100	
PHYS 21800	4			P: Math 15900 or equiv	
IET 15000	3			P: Math 15900	
CHEM-C101	3				

total: 16

### General Education Requirements - Communications, Humanities, Social Science

Course#	Units	Term	Grade	Pre-requisites	Comments
ENG W131	3			Placement	
COMM R110	3				
Gen Ed Electives*					
Arts & Humanities	3				
Cultural Understanding	3				
BUS X-100	3			(SS Gen Ed Core)	
Social Science	3				
<i>Students must complete courses specified in the IUPUI Common Core to satisfy 3 credits of Cultural Understanding and 9 credits of Arts, Humanities, and Social Sciences.</i>					

total: 18

### Technical Communications and Ethics

Course#	Units	Term	Grade	Pre-requisites	Comments
<b>TCM 21800</b>	1			C: ECET 15700	
<b>TCM 21900</b>	1			C: ECET 28400	
<b>TCM 22200</b>	1			C: ECET 20900	
TCM 41600	1			C: ECET 49000	
TCM 41700	1			C: ECET 49100	
ECET 49300	1				

total: 6

### Technical Electives Requirements

Course#	Units	Term	Grade	Pre-requisites	Comments
Tech Elective*	3				
Tech Elective*	3				
Math/Tech Sel	3				
IET 35000	3				
IET 36400	3				
Sustain Selective*	3				

*Tech Elecs\* See department for a complete listing of approved courses*

**\*\*Students must complete one Sustainability Selective: Tech 20100, 30100, 30200, 30300, 40100, 40200, OLS 37100, 42300**

total: 18

**120** Total Credit Hours for BS Degree

Department of Engineering Technology: 274-2363

Offices: ET 201

Updated May 15, 2015