

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: 8/15/2019 [4198]

1st Semester

Course#	Units	Title	My 1st Semester
TECH 10200	1	First Year Seminar for Tech Majors	
TECH 10500	3	Intro to Engr Tech	
MET 10400	3	Tech Graphics Comm	
ECET 10900	3	Digital Fundamentals	
ENG 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
ECET 10700	4	Introduction to Circuit Analysis	
ECET 15500	3	Digital Fundamentals II	
COMM R110	3	Fund of Speech Communication	
MATH 22100	3	Calculus for Tech I	
Gen Ed Elec	3	see approved crse list: Cultural	

Credit Hours 16

3rd Semester

Course#	Units	Title	My 3rd Semester
ECET 15700	4	Electronics Circuit Analysis	
TCM 21800	1	Intro to Engr Technical Reports	
ECET 16400	3	Applied Obj-Oriented Programming	
PHYS 21800	4	General Physics	
MATH 22200	3	Calculus for Tech II	

Credit Hours 15

4th Semester

Course#	Units	Title	My 4th Semester
ECET 20700	4	AC Electronics Circuit Analysis	
ECET 28404	4	Contemporary Communication Systems	
TCM 21900	1	Intro to Technical Presentations	
Math/Tech Sel	3	see approved course list	
ECET 23110	3	Electrical Machines	

Credit Hours 15 **Check with dept for list of approved electives or selectives.*

Critical Courses Are Printed in Bold Font
Minimum Grade of C Required for Core Competency Courses
All 100/200 Level Courses Must be Completed Before ECET 49000

5th Semester

Course#	Units	Title	My 5th Semester
ECET 20900	4	Introduction to Microprocessors	
TCM 22200	1	Intro to Technical Documentation	
ECET Elec	3	see approved course list	
IET 15000	3	Quantitative Methods for Technology	
ECET 23120	3	Industrial Controls	

Credit Hours 14

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	
Gen Ed Elec	3	see approved crse list: Social Sci	
ECET 49300	1	Ethics & Professionalism in Tech	
IET 35000	3	Engineering Econ	

Credit Hours 17

7th Semester

Course#	Units	Title	My 7th Semester
ECET Elec	3	see approved course list	
ECET 49000	1	Senior Design Project Phase I	
TCM 41500	1	Technical Communication for Design Projects	
BUS X-100	3	Bus Administration: Intro	
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 41600	1	Advanced Tech Comm for Design	
Tech Elec	3	see approved course list	
TECH 49100	1	Senior Seminar for ET	

Credit Hours 13

120 Total Credit Hours for BS Degree

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Core Requirements - ECET Technical Specialty

Course#	Units	Term	Grade	Pre-requisites
TECH 10200	1			
TECH 10500	3			P or C: Math 11100 and Eng W131
MET 10400	3			
ECET 10700	4			P: TECH 10500 P or C: Math 15300
ECET 10900	3			P or C: Math 11100
ECET 15500	3			P: ECET 10900
ECET 15700	4			P:ECET 10700 & Math 15300; C: TCM 21800
ECET 16400	3			P or C: Math 15300
ECET 20700	4			P orC: ECET 15700 & Math 15400
ECET 20900	4			P:ECET 10900 & ECET 16400 or CIT 26200 or CIT 27000; C: TCM 22200
ECET 23110	3			P: ECET 10900 & ECET 15700; P or C: PHYS 21800
ECET 23120	3			P: ECET 10900 & ECET 15700; P or C: PHYS 21800
ECET 28404	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 41500
ECET 49100	2			P: ECET 49000; C: TCM 41600
TECH 49100	1			
ECET Electives*				
ECET ____	3			
ECET ____	3			
ECET ____	3			
ECET ____	3			
ECET ____	3			
*ECET Electives: ECET 30200, ECET 30903,ECET 33100,ECET 35100, ECET 38404, ECET 37100, ECET 38100 ,ECET 43400, ECET 48404				

total: 65

Math and Science Requirements

Course#	Units	Term	Grade	Pre-requisites
MATH 22100	3			P: Math 15900 or Math 15400
MATH 22200	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
TCM 21800	1			C: ECET 15700	
TCM 21900	1			C: ECET 28404	
TCM 22200	1			C: ECET 20900	
TCM 41500	1			C: ECET 49000	
TCM 41600	1			C: ECET 49100	
ECET 49300	1				

total: 6

Technical Electives Requirements

Course#	Units	Term	Grade	Pre-requisites	Comments
Tech Elective*	3				
Math/Tech Sel	3				
IET 35000	3				
IET 36400	3				
Sustain Selective*	3				
<i>Tech Elecs* See department for a complete listing of approved courses</i>					
<i>**Students must complete one Sustainability Selective: Tech 20100, 30100, 30200, 30300, 40100, 40200, OLS 42300</i>					

total: 15

120 Total Credit Hours for BS Degree
 Department of Engineering Technology: 274-2363
 Offices: ET 201