

IUPUI School of Engineering and Technology

Student ID:		Degree/Program Plan:	B.S. Computer Engr. Tech.
Student Name:		Program/Plan Code:	TECH1 / CpETBBS
Program Entry Date:		Requirement Term:	8/15/2017 [4178]

1st Semester

Course#	Units	Title	My 1st Semester
TECH 10200	1	First Year Seminar for Tech Majors	
MET 10400	3	Tech Graphics Comm	
TECH 10500	3	Intro to Engr Tech	
ECET 10900	3	Digital Fundamentals	
ENG W131	3	Reading, Writing, and Inquiry	
Gen Ed Elec	3	see approved course 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	
ECET 16400	3	Applied Obj-Oriented Programming	
MATH 22100	3	Calculus for Tech I	
Gen Ed Elec	3	see approved course 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	
COMM R110	3	Fund of Speech Communication	
MATH 22200	3	Calculus for Tech II	
ECET 20900	4	Introduction to Microprocessors	
TCM 22200	1	Intro to Technical Documenation	

Credit Hours 16

4th Semester

Course#	Units	Title	My 4th Semester
CIT 21400	3	Introduction to Data Management	
ECET 28400	4	Computer Communications	
TCM 21900	1	Intro to Technical Presentations	
ECET 23110	3	Electrical Machines	
IET 15000	3	Quantitative Methods for Technology	

Credit Hours 14 *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

5th Semester

Course#	Units	Title	My 5th Semester
ECET 35700	4	Real-time Digital Signal Processing	
PHYS 21800	4	General Physics	
ECET Elec	3	see approved course list	
CIT 27000	3	Java Programming	
ECET 23120	3	Industrial Controls	

Credit Hours 17

6th Semester

Course#	Units	Title	My 6th Semester
ECET Elec	3	see approved course list	
ECET Elec	3	see approved course list	
ECET 48404	4	Emerging Info. Comm. & Tech.	
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 41500	1	Technical Communication for Design Projects	
IET 36400	3	Total Quality Control	
Math/Tech Sel	3	see approved course list	
CHEM-C101	3	Elementary Chemistry I LEC	

Credit Hours 14

8th Semester

Course#	Units	Title	My 8th Semester
ECET Elec	3	see approved course list	
ECET 49100	2	Senior Design Project Phase II	
TCM 41600	1	Advanced Tech Comm for Design	
Gen Ed Elec	3	see approved course list: Social Sci	
Sustain Sel	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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Degree/Program Plan: B.S. Computer Engr. Tech.
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Core Requirements - CpET Technical Specialty

Course#	Units	Term	Grade	Pre-requisites	Comments
TECH 10200	1				
MET 10400	3				
TECH 10500	3			P or C: Math 11100 and Eng W131	
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 20900	4			P: ECET 10900 & ECET 16400 or CIT 26200 or 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 28400	4			P: ECET 10700; C: TCM 21900	
ECET 35700	4			P: ECET 28400, Math 22100, P or C: Math 22200	
ECET 48404	4			P: ECET 28400	
ECET 49000	1			P: 3 ECET 300 or 400 level ECET Elec; C: TCM 41600	
ECET 49100	2			P: ECET 49000; C: TCM 41700	
TECH 49100	1				
ECET Electives*					
ECET ____	3				
ECET ____	3				
ECET ____	3				
ECET ____	3				
ECET ____	3				

*ECET Electives: ECET 30200, ECET 30900, ECET 35100, ECET 37100, ECET 43400, ECET 49900

total: 65

Math and Science Requirements

Course#	Units	Term	Grade	Pre-requisites	Comments
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*					
Humanities	3				
Cultural Understanding	3				
BUS X-100	3				
Social Science	3				

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.

total: 18

Technical Communications and Ethics

Course#	Units	Term	Grade	Pre-requisites	Comments
TCM 21800	1			C: ECET 15700	
TCM 21900	1			C: ECET 28400	
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
CIT 27000	3			P: CIT 14000	
CIT 21400	3			P: MATH 15900 or ECET 10900	
Math/Tech Sel***	3				
IET 36400	3				
Sustain Sel**	3				

Tech Electives See department for a complete listing of approved courses.*

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

****Students can count 3 credits of MATH 15900 or MATH 15400 here or 3 credits of Tech Electives approved by the department.*

total: 15

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