

EEE B.S. Degree Curriculum Pattern - Effective Fall 2022

Lower Division Curriculum Pattern					
First Semester Courses:			Second Semester Courses:		
FRESHMAN					
ENGR 1 (96A)	Intro. to Engineering	1	ENGR 50	Computational Methods & Apps.	3
MATH 30	Calculus I	4	MATH 31	Calculus II	4
CHEM 1E*	General Chemistry for Eng.	4	PHYS 11A	Gen Phys: Mechanics	4
	General Education	6		General Education	6
	(GE Areas A1 and A2)			(GE Areas B2 and F)	
* Chem 1A is acceptable for transfer students					
SOPHOMORE					
EEE 64	Intro. to Logic Design	4	ENGL 20	College Composition II	3
MATH 32	Calculus III	4	ENGR 17	Intro to Circuit Analysis	3
PHYS 11C	Gen Phys: Electricity & Magnetism	4	MATH 45	Differential Equations	3
	General Education (Lower Division)	3		General Education (Lower Division)	6
	(Choose Area: C1, C2, D1-HIST, or D2-GOV)			(Choose Area: C1, C2, D1-HIST, or D2-GOV)	

Analog / Digital & Controls

First Semester Courses:			Second Semester Courses:		
JUNIOR					
EEE 117	Network Analysis	3	EEE 108	Electronics I	3
EEE 117L	Network Analysis Lab	1	EEE 108L	Electronics I Lab	1
ENGR 140	Engineering Economics	2	EEE 174	Intro. to Microprocessors	4
EEE 161	Applied Electromagnetics	4	EEE 184	Intro. to Feedback Systems	3
EEE 180	Signals and Systems	3	EEE 141	Power System Analysis I	3
General Education (Lower Division)		3	ENGR 120	Probability and Random Signals	3
(Choose Area: C1, C2, D1-HIST, or D2-GOV)			Complete WPI		
SENIOR					
EEE 109	Electronics II	4	EEE 193B	Design Project II	2
EEE 185	Modern Communications Systems	3	See List	EEE Electives	3
EEE 193A	Design Project I	2	See List	EEE Electives	3 - 4
See List	EEE Electives	3	General Education		
See List	EEE Electives	3 - 4	(Area C-Upper Division Writ Int)		

Students should refer to class schedules in conjunction with General Education/Graduation Engineering Worksheet for approved GE courses

Courses offered are subject to change. For most accurate course planning guides refer to the website at:
<https://www.csus.edu/college/engineering-computer-science/electrical-engineering/student-resources.html>

EEE B.S. Degree Curriculum Pattern - Effective Fall 2022

Communication

First Semester Courses:			Second Semester Courses:		
JUNIOR					
EEE 117	Network Analysis	3	EEE 108	Electronics I	3
EEE 117L	Network Analysis Lab	1	EEE 108L	Electronics I Lab	1
ENGR 140	Engineering Economics	2	EEE 141	Power System Analysis I	3
EEE 161	Applied Electromagnetics	4	EEE 174	Intro. to Microprocessors	4
EEE 180	Signals and Systems	3	EEE 185	Modern Communications Systems	3
General Education (Lower Division)		3	ENGR 120	Probablility & Random Signals	3
(Choose Area: C1, C2, D1-HIST, or D2-GOV)			Complete WPI		
SENIOR					
EEE 109	Electronics II	4	EEE 193B	Design Project II	2
EEE 184	Intro. to Feedback Systems	3	See List	EEE Electives	3
EEE 193A	Design Project I	2	See List	EEE Electives	3 - 4
See List	EEE Electives	3 - 4		General Education	3
See List	EEE Electives	3	(Area C-Upper Division Writ Int)		

Power

First Semester Courses:			Second Semester Courses:		
JUNIOR					
EEE 117	Network Analysis	3	EEE 108	Electronics I	3
EEE 117L	Network Analysis Lab	1	EEE 108L	Electronics I Lab	1
ENGR 140	Engineering Economics	2	EEE 141	Power System Analysis I	3
EEE 161	Applied Electromagnetics	4	EEE 184	Introduction to Feedback Systems.	3
EEE 180	Signals and Systems	3	EEE 174	Introduction to Microprocessors	4
General Education (Lower Division)		3	Complete WPI		
(Choose Area: C1, C2, D1-HIST, or D2-GOV)					
SENIOR					
EEE 142	Power System Analysis II	3	EEE 130	Electromechanical Conversion	3
EEE 143	Power System Lab	1	EEE 192B	Elec Power Design Project II	2
EEE 185	Modern Communications Systems	3	See List	EEE Electives	3
EEE 192A	Elec Power Design Project I	2	See List	EEE Electives	3 - 4
ENGR 120	Probablility & Random Signals	3	See List	EEE Electives	3
See List	EEE Elective	3 - 4	General Education		
			(Area C-Upper Division Writ Int)		