

Bachelor of Science in Electrical Engineering -- 126 Credits

JEE-BSE (RG 7274)
Effective August 2015

Worlds of Knowledge (RQ 3629)

Aesthetic and Creative Expression				
Subject	Number	Course Title	CR	Satisfied/Term
			3	

Global History & Culture				
Subject	Number	Course Title	CR	Satisfied/Term
			3	

Societies & Civics				
Subject	Number	Course Title	CR	Satisfied/Term
			3	

Each student must take 1 course in each of the following Worlds of Knowledge.
Each student must take two additional "Follow-Up" courses from any of the following Worlds of Knowledge.
The minimum number of courses taken in the Worlds must be 5.
(No electives may be taken from the World of Science & Nature)

Follow-Up Courses				
Subject	Number	Course Title	CR	Satisfied/Term

Freshman Year Curriculum (RG 7274)

Freshman Year Curriculum - 1st Term (RQ 3428)				
Complete the following Courses		CR	Satisfied/Term	
Chem 0150	General Chem Eng 1	3		
Engcomp 0005	Composition 1	3		
Engr 0017	Intro to Eng Analysis	3		
Engr 0081	Freshman Seminar 1	0		
Math 0221	Analytic Geom & Calc 1	4		
Phys 0150	Physics 1	4		
Requirement Satisfied		17		

Freshman Year Curriculum - 2nd Term (RQ 3429)				
Complete the following Courses		CR	Satisfied/Term	
Chem 0151	General Chem Eng 2	3		
Engr 0018	Intro Eng Computing	3		
Engr 0082	Freshman Seminar 2	0		
Math 0231	Analytic Geom & Calc 2	4		
Phys 0152	Physics for Eng 2	4		
Requirement Satisfied		14		

Sophomore Year Curriculum (RG 7274)

Soph Year Curriculum - 3rd Term (RQ 3430)				
Complete the following Courses		CR	Satisfied/Term	
Commrc 0052	Public Speaking	3		
ECE 1885	Dept Seminar	0		
EE 0031	Linear Circuits & Systems 1	3		
EE 0132	Digital Logic	3		
EE 0445	Prog & Intro Data Structures	3		
EE 0500	Digital & Circuits Lab	1		
Math 0241	Analytic Geom & Calc 3	4		
Requirement Satisfied		17		

Soph Year Curriculum - 4rd Term (RQ 3431)				
Complete the following Courses		CR	Satisfied/Term	
ECE 1885	Dept Seminar	0		
EE 0142	Computer Organization	3		
EE 0257	Analy/Design Electric Circ	3		
EE 0501	Digital & Electronics Lab	2		
EE 1771	Electric Machines	3		
EE 1071	Electric Machines Lab	1		
Math 1271	Differential Equations	3		
Requirement Satisfied		15		

Junior Year Curriculum (RG 7274)

Junior Year Curriculum - 5th Term (RQ 3432)				
Complete the following Courses		CR	Satisfied/Term	
ECE 1885	Dept Seminar	0		
EE 1059	Electromagnetics Lab	1		
EE 1201	Elect Measure/Circuit Lab	2		
EE 1259	Electromagnetics	3		
EE 1247	Semiconductor Devices	3		
EE 1552	Signal and Systems Analy	3		
Engr 0020	Prob & Stats for Engr 1	4		
Requirement Satisfied		16		

Junior Year Curriculum - 6th Term (RQ 3433)				
Complete the following Courses		CR	Satisfied/Term	
ECE 1885	Dept Seminar	0		
EE 1212	Electro Circuit Desg Lab	3		
EE 1541	Computer Architecture	4		
EE 1563	Signals Theory / Practice	3		
Math 1181	Linear Algebra	3		
Requirement Satisfied		13		

Senior Year Curriculum (RG 7274)

Senior Year Curriculum - 7th Term (RQL 3434)				
Complete the following Courses		CR	Satisfied/Term	
ECE 1885	Dept Seminar	0		
EE 1195	Engr Practice & Prof Dev	2		
EE 1673	Control Systems	4		
EE 1769	Power Systems 1	4		
EE 1172	Communication Systems	4		
Requirement Satisfied		14		

Senior Year Curriculum - 8th Term (RQ 3435)				
Complete the following Courses		CR	Satisfied/Term	
ECE 1885	Dept Seminar	0		
EE 1199	Senior Design: Elective	2		
Requirement Satisfied		2		

Technical Electives (RQL 3435-30)				
Complete one of the following Courses				
EE 1770	Power Systems II	3		
EE 1177	Measurement & Indust Control	3		
EE 1773	Digital Communication Sys	3		
COE 1504	Advanced Digital Systems	4		
Requirement Satisfied		3-4		

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.

Updated 2/5/20