Bachelor of Science in Electrical Engineering -- 126 Credits

JEE-BSE (RG 7274)
Effective August 2025

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	
Engcmp 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**	

Sophmore 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 Electromacnetics	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	3	
EE 1073 Control Systems Lab	1	
EE 1769 Power Systems 1	4	
EE 1772 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	CR	Satisfied/Term
COE 1151 Computer Networks & Lab	4	
EE 1770 Power Systems II	3	
EE 1177 Measurement & Indust Control	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 03/24/25