

Major Map

BULLETIN YEAR: 2018-2019 **Degree:** BSEE

MAJOR: Electrical Engineering

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and a department's tentative plans for scheduling courses. This document provides general direction. For more specific advice and up to date schedules, it is expected that students will regularly discuss their plans of study with academic advisors and monitor the current class schedules as students are responsible for ensuring that all requirements for graduation have been met.

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall Total Credit Hours: 13-16		Semester: Spring Total Credit Hours: 16	
MTH 132	4	MTH 133	4
EGR 120	3	PHY 145	4
EGR 190	3	PHY 175	1
ENG 101 (if needed)	0-3	EGR 200	3
U.P. Group 1-B/Oral English Comp.	3	CHM 131	4
	Cr. Hrs.		Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall Total Credit Hours: 16		Semester: Spring Total Credit Hours: 16	
MTH 232	3	MTH 233	4
PHY 146	4	EGR 292	3
EGR 251	3	EGR 393	3
EGR 290	3	BLR 202	3
ENG 201	3	U.P. Group 1-A	3
	Cr. Hrs.		Cr. Hrs.
JUNIOR YEAR			
Semester: Fall Total Credit Hours: 18		Semester: Spring Total Credit Hours: 15	
EGR 298	3	EGR 300	3
EGR 388	3	EGR 390	3
EGR 391	3	EGR 392	3
EGR 396	3	EGR 394	3
STA 392	3	EGR 398	3
U.P. Group III-A	3		
	Cr. Hrs.		Cr. Hrs.
SENIOR YEAR			
Semester: Fall Total Credit Hours: 18		Semester: Spring Total Credit Hours: 15	
EGR 492	3	EGR 496	3
EGR 489	3	EGR 499	3
Electrical Engineering Elective	3	Electrical Engineering Elective	3
Electrical Engineering Elective	3	Electrical Engineering Elective	3
U.P. Group II-A	3	U.P. Group IV-C	3
U.P. Group III-A	3		
	Cr. Hrs.		Cr. Hrs.
FIFTH YEAR (IF NEEDED)			
Semester: Total Credit Hours:		Semester: Total Credit Hours:	

124 hours minimum required for graduation

40 hours 300 level or above required

¹ **Electives (6 hours):** Choose from: ART 115, 118; CPS 180; EGR 120, 190QR, 290, 300; IET 223QR, 281, 291, 327, 375, 377, 425, 454, 455; MTH 133.

² TAI 170 completes the U.P. Group I-B and the Oral English Competency requirement, which must be fulfilled before 56 hours.

³ MTH 130 may be waived upon results of placement exam or permission of Mathematics advisor.

⁴ IET 130, 154, 170, and 181 are offered every semester.

Note: 12 hours of courses approved for Writing Intensive are required (Competency Requirement)