

Advising Roadmap - Recommended Course Sequence

Electrical Engineering, B.S.
2 Year Transfer Plan

Effective Fall 2024

Major Specific Criteria & Transferable Courses (58 units) completed prior to transfer			
<ul style="list-style-type: none"> ENGL 1010 (3) COMM 1100 (3) GE -U.S. History (3) GE U.S. Government (3) GE Lower Division Block C (3) GE Block E (3) CHEM 1040 (4) 	<ul style="list-style-type: none"> MATH 2110 (4) MATH 2120 (4) MATH 2130 (4) MATH 2150 (4) PHYS 2100 (4) PHYS 2200 (4) ENGL 2030 (3) 	<ul style="list-style-type: none"> EE 2040 (3)* EE 2049 (1) EE 2440 (3) EE 2449 (1) EE 2450 (3) 	
Fall	Units	Spring	Units
Junior Year: 33 units			
EE 3020 *	(3)	EE 3600	(3)
EE 3300	(3)	EE 3700	(3)
ENGR 3010	(3)	EE 3200	(3)
EE 3450	(3)	EE 3810	(3)
EE 3003	(3)	EE 3000	(3)
		EE 3030	(3)
TOTAL	15	TOTAL	18
Senior Year: 31 units			
EE 4961	(3)	EE 4962	(3)
EE 3050	(3)	EE ELECTIVE	(3)
EE 3040	(3)	EE ELECTIVE	(3)
EE ELECTIVE	(3)	EE ELECTIVE	(3)
EE ELECTIVE	(3)	GE Ethnic Studies	(3)
EE SPECIALIZATION LAB	(1)		
TOTAL	16	TOTAL	15

TOTAL RESIDENCE UNITS 64

Notes

GE Requirements: Transfer students shall take GE courses to meet any missing diversity (d), and Race/Ethnicity (re) requirements. Transfer students without equivalent credit of lower division civic learning (cl) need to select 1 course (3) from Block E.

Important EE Major Courses: Courses with * are important prerequisites to upper division required courses and students should take them as soon as possible to avoid delays in graduation. Out of the five EE Elective Lectures, at least three need to be selected from the area of specialization.

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Electrical Engineering, B.S.
4-Year Plan

Effective Fall 2024

Fall	Units	Spring	Units
Year One - 31 units			
ENGR 1500	(3)	MATH 2120	(4)
MATH 2110	(4)	ENGL 2030	(3)
COMM 1100	(3)	PHYS 2100	(4)
ENGL 1010	(3)	EE 2450	(3)
EE 2440	(3)	EE 2449	(1)
TOTAL	16	TOTAL	15
Year Two - 33 units			
MATH 2130	(3)	MATH 2150	(3)
PHYS 2200	(4)	EE 2049	(1)
EE 2040*	(3)	EE 3020	(3)
US History	(3)	EE 3300	(3)
EE 3450	(3)	POLS 1000	(3)
		CHEM 1040	(4)
TOTAL	16	TOTAL	17
Year Three - 30 units			
EE 3040	(3)	EE 3600	(3)
EE 3000	(3)	EE 3700	(3)
EE 3810	(3)	EE 3200	(3)
GE: Ethnic Studies (re)	(3)	EE 3030	(3)
ENGR 3010	(3)	EE 3003	(3)
TOTAL	15	TOTAL	15
Year Four- 28 units			
EE 4961	(3)	EE 4962	(3)
EE 3050	(3)	EE ELECTIVE	(3)
EE ELECTIVE	(3)	EE ELECTIVE	(3)
EE ELECTIVE	(3)	GE: HUMANITIES	(3)
EE ELECTIVE	(3)		
EE SPECIALIZATION LAB	(1)		
TOTAL	16	TOTAL	12
TOTAL UNITS FOR THE MAJOR			122

Notes

Lower Division GE Requirement: Students need to select from the US History, Blocks C1, and D courses to fulfill the requirement of one race/ethnicity (re) and one diversity (d) course, or two (re) courses.

Important EE Major Courses: Courses with * are important prerequisites to upper division required courses and students should take them as soon as possible to avoid delays in graduation. Out of the five EE Elective Lectures, at least three need to be selected from the area of specialization.

Advising Roadmap - Recommended Course Sequence

Electrical Engineering, B.S.
Sample 5-year plan for Freshman

Effective Fall 2024

Fall	Units	Spring	Units
First Year - 25 units			
MATH 1040	(6)	MATH 2110	(4)
ENGR 1500	(3)	EE 2440	(3)
ENGL 1010	(3)	ENGL 2030	(3)
		POLS 1000	(3)
TOTAL	12	TOTAL	13
Second Year - 28 units			
MATH 2120	(4)	MATH 2130	(3)
PHYS 2100	(4)	PHYS 2200	(4)
COMM 1100	(3)	EE 2040*	(3)
EE 2450	(3)	CHEM 1040	(4)
TOTAL	14	TOTAL	14
Third Year - 26 units			
MATH 2150	(3)	EE 2049	(1)
EE 2449		EE 3300	(3)
EE 3003	(3)	EE 3450	(3)
EE 3020*	(3)	ENGR 3010	(3)
GE: Ethnic Studies (re)	(3)	US History	(3)
TOTAL	13	TOTAL	13
Fourth Year - 24 units			
EE 3040	(3)	EE 3600	(3)
EE 3000	(3)	EE 3700	(3)
EE 3810	(3)	EE 3200	(3)
EE 3050	(3)	EE 3030	(3)
TOTAL	12	TOTAL	12
Fifth Year - 22 units			
EE 4961	(3)	EE 4962	(3)
EE ELECTIVE	(3)	EE ELECTIVE	(3)
EE ELECTIVE	(3)	EE ELECTIVE	(3)
EE ELECTIVE	(1)	GE: HUMANITIES	(3)
EE SPECIALIZATION LAB			
TOTAL	10	TOTAL	12
TOTOAL UNITS FOR THE MAJOR			125

Notes:

Lower Division GE Requirement: Students need to select from the US History, Blocks C1, and F courses to fulfill the requirement of one race/ethnicity (re) and one diversity (d) course, or two (re) courses.

Important EE Major Courses: Courses with * are important prerequisites to upper division required courses and students should take them as soon as possible to avoid delays in graduation. Out of the five EE Elective Lectures, at least three need to be selected from the area of specialization.

² To be advised by ECST Student Success Center.