

Electrical Engineering (EEL) Degree Requirements 2022-2023

LOWER DIVISION COURSES	UPPER DIVISION COURSES
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Math (22-23 units)

	MAT21A (4)
	MAT21B (4)
	MAT21C (4)
	MAT21D (4)
	MAT22A (3)
	MAT22B (3)

Physics (19 units)

	PHY9A (5)
	PHY9B (5)
	PHY9C (5)
	PHY9D (4)

Chemistry (5 units)

	CHE2A or CHE2AH (5)
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Engineering (25 units)

	EEC1
	EEC7 (4)
	EEC10 (4)
	EEC18 (4)
	ENG6 (4)
	ENG17 (4)

Composition (4-8 units)

	ENL3, UWP1, COM1, COM2, COM3, COM4, OR NASS
	UWP 101, 102A-L, 104A-T (4) OR UD Composition Exam (0)

Communication (4 units, Select One)

	CMN1, OR ENG3 (4)
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Notes:

Upper Division Core (29-30 units)

	ENG 160, 190 (3) or ECS 188 (4)
	EEC 100 (5)
	EEC 110A (4)
	EEC 130A (4)
	EEC 140A (4)
	EEC 150A (4)
	EEC 161 (4)
	EEC 196 (1)

Technical Electives (9 units)

	Upper division course in chemistry, engineering, mathematics, physics, or statistics (with exceptions listed in the General Catalog or at https://www.ece.ucdavis.edu/courses/electives/). Max 6 units of 192, 198, 199. Courses can also be selected from list below: BIS 101 (4), 101D (1), 102 (3), 103 (3), 104 (3), 122 (3), 122P (5), 132 (4) CHE 002B, 002C (5 units each) ENG 035, 045, 045Y (4 units each) ECN 100A, 100B, 101, 102, 103, 122, 140 (4 units each) MGT 011A, 011B, 100, 120, 140, 150, 160, 170, 180 (4 units each)
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Courses from options above:

*One course on the Core Elective list and the Design Laboratory Elective list may be counted in both categories simultaneously

**All design project courses are also considered Design Laboratory Electives and may be counted in both categories simultaneously

***Units in excess of 36 may be used for technical elective

UD Electives: 8 courses & 36 units* of the following:**

2 Core Electives*

	EEC 110B(4), 130B(4), 140B(4), 170(4), 180(5) Only 1 course may be chosen from: EEC 151(4), 157A(4), or 160(4)
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2 Design Laboratory Electives**

	EEC 110B(4), 112(4), 116(4), 118(4), 132A(5), 132B(5), 132C(5), 135(4), 146A(3), 157B(4), 165(4), 172(4), 180(5), EEC 136AB (6), EEC 174ABY (6), EEC 181AB (6), EEC 193AB (6), OR EEC 195AB (6)
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1 Design Project Course**

	Choose one set from the following: EEC 136AB (6); EEC 174ABY (6); EEC 181AB (6); EEC 193AB (6); OR EEC 195AB (6)
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Additional Electives

	Remaining electives may be chosen from any letter graded EEC course or ECS 36B, 150, 152B, 163, 175, 177, OR 178
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Upper Division Electives (8 courses & 32 units)

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