VANDERBILT
School *of* Engineering

Four-Year Roadmap and Checklist
ELECTRICAL AND COMPUTER ENGINEERING
122 hours

To be eligible for graduation, a student must have passed all required courses, including the technical electives, and shall have earned a minimum average grade of C in (a) all courses taken, (b) courses taken within the School of Engineering, and (c) department courses of each major.

Year 1

Semester 1		Semester 2	
___(4 hours)	CHEM 1601+1601L	___(3 hours)	CS 1100 or CS 1101
___(4 hours)	MATH 1300	___(4 hours)	MATH 1301
___(3 hours)	ES 1401-1403	___(4 hours)	PHYS 1601+1601L
___(3 hours)	Liberal Arts Core	___(4 hours)	MSE 1500+1500L **or** CHEM1602/L
___Total: 14 hours		___Total: 15 hours	

Year 2

Semester 3		Semester 4	
___(3 hours)	MATH 2300	___(4 hours)	MATH 2400
___(4 hours)	PHYS 1602+1602L	___(4 hours)	ECE 2123+2123L
___(3 hours)	CS 2201 **or** 2204	___(3 hours)	ECE 2214
___(4 hours)	ECE 2112+2112L	___(3 hours)	Liberal Arts Core
___(3 hours)	Liberal Arts Core	___(3 hours)	Elective*
___Total: 17 hours		___Total: 17 hours	

Year 3

Semester 5		Semester 6	
___(3 hours)	MATH 2810	___(3 hours)	ES 2100W
___(4 hours)	ECE 3235+3235L	___(3 hours)	ECE Program Elective*
___(3 hours)	ECE Program Elective*	___(3 hours)	ECE Program Elective*
___(3 hours)	Elective*	___(3 hours)	Technical Elective
___(3 hours)	Liberal Arts Core	___(3 hours)	Liberal Arts Core
___Total: 16 hours		___Total: 15 hours	

Year 4

Semester 7		Semester 8	
___(3 hours)	ECE 4950	___(3 hours)	ECE 4951
___(1 hours)	ECE 4959	___(3 hours)	ECE Program Elective
___(3 hours)	ECE Program Elective*	___(3 hours)	Technical Elective
___(3 hours)	ECE Program Elective*	___(3 hours)	Open Elective
___(3 hours)	Liberal Arts Core		
___(3 hours)	Technical Elective		
___Total: 16 hours		___Total: 12 hours	

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*CS 3251 (Intermediate Software Design) is recommended in spring of the sophomore year as preparation for advanced computer science courses, with a technical elective taken in fall of the junior year. Otherwise, students may choose a technical elective in spring of the sophomore year and an ECE program elective in fall of the junior year. *At least one design domain expertise (DE) course required prior to ECE 4951.*
Note: [The VU Undergraduate Catalog](#) is the definitive source for all degree requirements. If there are differences between this document and the catalog, then the catalog will prevail.