MISSISSIPPI STATE UNIVERSITY
JAMES WORTH BAGLEY COLLEGE OF ENGINEERING

Electrical Engineering (EE) 2025 Curriculum Guide

Term 1 (16) *Two labs*	Term 2 (15) *Two labs*	Term 3 (16) *Two labs*	Term 4 (17) *Two labs*	Term 5 (17) *Two labs*	Term 6 (16) *One lab*	Term 7 (17) *No labs*	Term 8 (14) *No labs*
General Education Social Science			General Education Humanity	General Education Humanity	EM 2413 Eng. Mech I **- OR -** ME 3513 Thermo I *(pre-reqs vary)*	General Education Fine Art	General Education Social Science
CSE 1284 Intro to Comp. Programming ACT Math ≥ 24 req. *(with lab)*	CSE 1384 Interm. Comp. Programming *(with lab)*	CSE 2383 Data Structures		ECE 3724 Microprocessors *(with lab)*		ECE 4xx3 EE Technical Elective (pre-reqs vary)	ECE 4xx3 EE Technical Elective (pre-reqs vary)
		ECE 3714 Digital Devices & Logic Design *(with lab)*		ECE 3313 Electromagnetics I	ECE 3323 Electromagnetics II	ECE 4xx3 EE Technical Elective (pre-reqs vary)	ECE 4xx3 EE Technical Elective (pre-reqs vary)
MA 1713 Calculus I ACT Math ≥ 26 req.	PH 2213 Physics I	PH 2223 Physics II *(with lab)*	MA 2743 Calculus IV	ECE 3614 Fund. Of Energy Systems *(with lab)*		Eng. Science Elective (pre-reqs vary)	Professional Enrichment Elective
	MA 1723 Calculus II	MA 2733 Calculus III	MA 3253 Diff. Equations I		ECE 3244 Electronics I *(with lab)*		
		MA 3113 Linear Algebra	ECE 3423 Circuits I + ECE 3421 Circuits I lab			ECE 4512 ECE Capstone Design I (*)	ECE 4522 ECE Capstone Design II
ECE 1013 Foundations in ECE *(with lab)*	ECE 1022 Foundations in Design *(with lab)*		CH 1213 Fund. Of Chem I ACT Math ≥ 24 req.	ECE 3433 Circuits II	ECE 3443 Signals and Systems	GE 3513 Technical Writing	
EN 1103 Eng Comp 1 ACT English ≥ 17 req.	EN 1113 Eng. Comp II		CH 1211 Invest. In Chem I *(lab)*		IE 4613 Eng. Stats I	ECE 4512 and GE 3513 must be taken together.	

Legend

- Prerequisite (credit required with min. grade shown)
- Corequisite (credit in or registration for course is required)
- Either/Or (credit required for one of these two courses)

General Education electives must come from MSU Core-Approved list • Courses outlined in black require a grade of "C" or better.
See advisor for elective options • If you meet pre-reqs, you can take the class • You are not required to take these classes in this exact order
* must be 70% complete with program requirements • See www.ece.msstate.edu/academics/undergraduate/