
2024-25 ACADEMIC COURSES

ELE 134 : MOTORS AND CONTROLS

This course is an introduction to the theory and application of AC and DC electrical machines and their controls. Topics include DC generators, DC motors and controls, three-phase power, three-phase transformers, alternators, three-phase and single phase AC motors and controls, electronic motor drives, synchronous motors, servo motors and stepper motors. In weekly lab assignments, students will read and interpret schematic diagrams, connect motors and controls, test and troubleshoot motors and controls. Level I Prerequisite: Academic Reading and Writing Levels of 6 Level II Prerequisite: Academic Math Level 3 or higher; ELE 111 minimum grade "C-" or equivalent

Level I Prereq: Academic Reading and Writing Levels of 6

Description	Hours
Credits	4
Lecture Hours	60
Clinical Hours	0
Lab Hours	30
Other Hours	0
Total Hours	90

Accurate as of 04/25/2025 Information is subject to change without notice.