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## 2021-22 ACADEMIC COURSES

### ELE 134 : MOTORS AND CONTROLS

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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 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 12/08/2021 Information is subject to change without notice.