

Electromechanical Technology

Program Outcomes

Electricity and Industrial Controls: students learn how to read schematic diagrams and follow National Electrical Code standards in connecting devices and motor controls	Digital and Analog Electronics: students become skilled in the use of test instruments, digital and analog circuitry, microprocessors and computers	Process Control and Measurement: students study pressure, temperature, level, analytical and flow measurement concepts that are implemented to produce feedback control loop system	Robotics and Automation: students use personal computers to program and control industrial robotic arms and program intelligent controls such as A-C frequency drives and programmable controllers	Telecommunications: students study data communication and networking.
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Required Courses

ELT 101		I			
ELT 115		R			I
ELT 123	I				
ELT 145		R	I		
ELT 153				I	I
ELT 201		R			R
ELT 221	R				
ELT 222	R, A			R	
ELT 231			I		
ELT 232			R		
ELT 245		R		R	
ELT 246		E,A	R		R
ELT 271	R				E,A
ELT 276	E		E,A	E,A	

I-Outcome introduced; R-Outcome Reinforced; E-Outcome Emphasized; A-Outcome Assessed