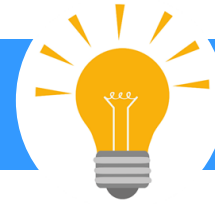


ELECTRICAL & INSTRUMENTATION



ASSOCIATE OF APPLIED SCIENCE

The Electrical & Instrumentation program is designed to prepare students for a career in instrumentation and process control. Instrumentation technicians are employed in a large variety of industries to maintain equipment that controls temperature, pressure, and flow of material or speed and position of objects. Manufacturers such as Toyota, General Motors, Motorola, HEB, and Temple Inland use process control to manufacture automobiles, electronic devices, cardboard containers, and food products. Other industries use process control technicians to refine petroleum products and process chemicals and other materials. Just about everything you use or consume owes its existence to an instrumentation technician.

Academic advisor: Daniel Hall, (936) 591-9075, dhall@panola.edu

SEMESTER I

_____	ELPT	1311	Basic Electrical Theory	3
_____	ELPT	1345	Commercial Wiring	3
_____	OSHT	1220	Energy Industrial Safety	2
_____	ENER	1350	Overview of Energy Industry	3
_____	PTRT	1270	Energy Sector Math & Computer Skills	2
_____	DFTG	1325	Blueprint Reading and Sketching	3
				16

SEMESTER II

_____	ENER	1270	Employment Success Energy Industry	2
_____			ENGL/SPCH	3
_____			MATH/Science	3
_____	ENER	1375	Introduction to Mechanical Engines	3
_____			Language, Philosophy, Cultures	3
_____	ELPT	1341	Motor Control	3
				17

SEMESTER III

_____	ELPT	2305	Motors and Transformers	3
_____	ELMT	1301	Programmable Logic Controllers	3
_____			HIST 1301, HIST 1302, HIST 2301, GOVT 2305, or GOVT 2306	3
_____	INMT	2303	Pumps, Compressors, & Mechanical Drives	3
_____	ELPT	1325	National Electrical Code	3
				15

SEMESTER IV

_____	ELPT	1370	Advanced Electricity	3
_____			Social/Behavioral Science	3
_____	PTRT	1324*	Petroleum Instrumentation	3
_____	ELMT	2339	Advanced Programmable Logic Controllers	3
				12

TOTAL HOURS = 60

*Capstone course

[Click here](#) to view career details (pay, job outlook, work environment, etc.)

[Click here](#) to visit the Panola College - Electrical & Instrumentation web page for more information