



ELECTRICAL PROGRAMS

CERTIFICATES:

ELECTRICIAN	INDUSTRIAL ELECTRONICS	ELECTRO-MECHANIC
CORE COURSES PLUS:	CORE COURSES PLUS:	CORE COURSES PLUS:
<ul style="list-style-type: none"> • ELTEC 230 2 UNITS • ELTEC 225 3 UNITS • ELTEC 235 3 UNITS • ELTEC 221 3 UNITS 	<ul style="list-style-type: none"> • ELTEC 205 3 UNITS • ELTEC 212 3 UNITS • ELTEC 221 3 UNITS • ELTEC 234 3 UNITS 	<ul style="list-style-type: none"> • MACH 200D 4 UNITS • WELD 200 3 UNITS • WELD 206 3 UNITS • MAGM 262 3 UNITS
AS DEGREE- ADD GE REQUIREMENTS		

NEW! SKILL RECOGNITION AWARDS TO IMPROVE YOUR EMPLOYABILITY AND TO STRENGTHEN YOUR TECHNICAL SKILLS

ELECTRICAL INSTALLER	AUTOMATION TECHNICIAN
<ul style="list-style-type: none"> • ELTEC 208 • ELTEC 230 • ELTEC 320 	<ul style="list-style-type: none"> • ELTEC 221 • ELTEC 232 • CMPET 214

ELTEC CORE REQUIREMENTS:

• ELTEC 322	3 UNITS
• ELTEC 208	3 UNITS
• ELTEC 320	1 UNIT
• ELTEC 265	1 UNIT
• ELTEC 223	3 UNITS
• ELTEC 232	3 UNITS
• ELTEC 226	3 UNITS
• ELTEC 229	3.5 UNITS

FOR MORE INFORMATION:

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ELTEC COURSES MUST BE TAKEN IN THE ORDER BELOW FOR BEST RESULTS:

COURSE	CLASS DESCRIPTION	SEMESTER	UNITS	Lecture and Lab Semester Hours	DAS Approved?
ELTEC 322	Technical Measurements	1	3	54.00 Lecture	✓
ELTEC 208	Fundamentals of Electricity and Electronics	1	3	36.00 Lecture 54.00 Lab	✓
ELTEC 205	Electronics Fabrication	1	3	36.00 Lecture 54.00 Lab	
ELTEC 320	Electrical Safety	1 or 2	1	18.00 Lecture	✓
CMPET 214	Microprocessor Programming & Interfacing	1 or 2	3	36.00 Lecture 54.00 Lab	
ELTEC 212	Digital Electronics	2	3	36.00 Lecture 54.00 Lab	✓
ELTEC 223	Industrial Electrical Components & Control Devices	2	3	36.00 Lecture 54.00 Lab	✓
ELTEC 230	Blueprint Reading for Electricians	2	2	36.00 Lecture	✓
ELTEC 225	Residential Wiring	2	3	36.00 Lecture 54.00 Lab	✓
ELTEC 232	Introduction to Programmable Logic Controllers	2 or 3	3	36.00 Lecture 54.00 Lab	✓
ELTEC 235	NEC: National Electrical Codes	2 or 3	3	72.00 Lecture	✓
ELTEC 226	Motors, Controls & Controllers	3	3	36.00 Lecture 54.00 Lab	✓
ELTEC 221	Instrument Devices & Systems	3	3	36.00 Lecture 54.00 Lab	✓
ELTEC 229	Commercial & Industrial Wiring	3 or 4	3.5	36.00 Lecture 81.00 Lab	✓
ELTEC 234	Intro to PACs: Programmable Automation Controllers	3 or 4	3	36.00 Lecture 54.00 Lab	✓
ELTEC 236	HMI & Industrial Communication	4	3	18.00 Lecture 54.00 Lab	
ELTEC 265	Troubleshooting Techniques	Any	1	18.00 Lecture	

Non ELTEC classes – Only for the Electro-Mechanic Certificate

MACH 200D	Machine Shop 1	1	3	36.00 Lecture 54.00 Lab	
WELD 200	Arc & Gas Welding	2	3	36.00 Lecture 54.00 Lab	
WELD 206	Gas Tungsten Arc Weld (TIG)	3	3	36.00 Lecture 54.00 Lab	
MAGM 262	Hydraulics/Pneumatics	4	3	36.00 Lecture 54.00 Lab	

