

Electrical Systems Technology

Associate in Applied Science - A35130

Ryal Watkins, Division Chair

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TOTAL HOURS FOR CREDENTIAL				
Class	Lab	Clinic	Work	Credit
45	54	0	0	67

Fall I

Course	Course Title	Prerequisites	Corequisites	Class	Lab	Clinic	Work	Credit
ACA 115 OR ACA 122	Success and Study Skills OR College Transfer Success			0	2	0	0	1
ELC 112	DC/AC Electricity			3	6	0	0	5
ELC 113	Residential Wiring			2	6	0	0	4
ELC 118	National Electrical Code			1	2	0	0	2
ELC 125	Diagrams and Schematics			1	2	0	0	2
ISC 112	Industrial Safety			2	0	0	0	2
Semester Totals:				9	18	0	0	16

Spring I

Course	Course Title	Prerequisites	Corequisites	Class	Lab	Clinic	Work	Credit
ELC 114	Commercial Wiring			2	6	0	0	4
ELC 117	Motors and Controls			2	6	0	0	4
ELC 119	NEC Calculations			1	2	0	0	2
ELC 128	Introduction to PLC			2	3	0	0	3
HYD 110	Hydraulics/Pneumatics I			2	3	0	0	3
Semester Totals:				9	20	0	0	16

Summer I

Course	Course Title	Prerequisites	Corequisites	Class	Lab	Clinic	Work	Credit
ENG 110 OR ENG 111	Freshman Composition OR Writing & Inquiry	See Catalog		3	0	0	0	3
	Humanities/Fine Arts Elective			3	0	0	0	3
Semester Totals:				6	0	0	0	6

Fall II

Course	Course Title	Prerequisites	Corequisites	Class	Lab	Clinic	Work	Credit
AHR 110	Intro to Refrigeration			2	6	0	0	5
AHR 111	HVACR Electricity			2	2	0	0	3
BPR 111	Print Reading			1	2	0	0	2
BUS 110	Introduction to Business			3	0	0	0	3
ELC 123	Instrumentation			3	2	0	0	4
Semester Totals:				11	12	0	0	17

Spring II

Course	Course Title	Prerequisites	Corequisites	Class	Lab	Clinic	Work	Credit
CIS 110	Introduction to Computers			2	2	0	0	3
COM 231 OR ENG 115	Public Speaking OR Oral Communication			3	0	0	0	3
MAT 110	Math Measurement & Literacy	See Catalog		2	2	0	0	3
	Social/Behavioral Sciences Elective			3	0	0	0	3
Semester Totals:				10	4	0	0	12

Other Course Information (if applicable)