



**Electrical Technology (ELT)  
Certificate  
M.A.P.**

Semester	Suggested Courses	Semester(s) Offered	Credit Hrs.
<b>Semester 1</b> 13 credit hours	ELT 100 <i>or</i> Applied Electronic Computation <i>or</i> ILT 100 Applied Electronic Computations	Fall, Spring*	3
	ELT 111 <i>or</i> Concepts of Direct Current <i>or</i> ILT 106 Concepts of Direct Current	Fall, Spring*	5
	MTH 100 <i>or</i> Intermediate College Algebra <i>or</i> MTH 116 Mathematical Applications	Fall, Spring, Summer	3
	ORI 101 Orientation to College	Fall, Spring, Summer	2
<b>Semester 2</b> 14 credit hours	ELT 112 <i>or</i> Concepts of Alternating Current <i>or</i> ILT 107 Concepts of Alternating Current	Spring*	5
	ELT 110 Wiring Methods	Spring*	3
	ELT 114 Residential Wiring Methods	Spring,*	3
	ENG 101 English Composition I	Fall, Spring, Summer	3
<b>Semester 3</b> 12 credit hours <i>ELT Level 1 STC Achieved</i>	ELT 241 National Electric Code	Summer*	3
	ELT 118 Commercial/Industrial Wiring I	Summer*	3
	ELT/ILT Elective Select any ELT/ILT elective not in degree plan	Summer*	3
	SPH 106 <i>or</i> Fundamentals of Oral Communication <i>or</i> SPH 107 Fundamentals of Public Speaking	Fall, Spring, Summer	3
<b>Semester 4</b> 9 credit hours	ELT 117 <i>or</i> AC/DC Machines <i>or</i> ILT 167 AC/DC Machinery and Controls I	Fall, Spring*	3
	ELT 246 Advanced Electrical Raceways	Fall*	3
	ELT 209 <i>or</i> Motor Controls I <i>or</i> ILT 197 Motor Controls I	Summer* Fall	3
	ELT 217 Transformers	Spring*	3
<b>Semester 5</b> 9 credit hours <i>ELT Certificate Achieved</i>	ELT 230 Programmable Controls	Spring*	6
	<b>Total Hours</b>		

\*Course(s) may be offered in additional semester but are only assured to run in the semester(s) indicated. It is **highly** recommended that course(s) be completed in the semester(s) indicated.

Part-time students and full-time students desiring to begin the ELT program of study during a spring or summer semester should consult with an academic advisor to establish an alternate degree completion pathway.