

**Industrial Electronics Technology (ILT)
 Certificate
 M.A.P.**

Semester	Suggested Courses	Semester(s) Offered	Credit Hrs.
Semester 1 13 credit hours	ILT 100 <i>or</i> Applied Electronic Computations <i>or</i> ELT 100 Applied Electronic Computation	Fall*	3
	ILT 106 <i>or</i> Concepts of Direct Current <i>or</i> ELT 111 Concepts of Direct Current	Fall*	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
Semester 2 11 credit hours	ILT 107 <i>or</i> Concepts of Alternating Current <i>or</i> ELT 112 Concepts of Alternating Current	Spring*	5
	ILT 167 <i>or</i> AC/DC Machinery and Controls I <i>or</i> ELT 117 AC/DC Machines	Spring*	3
	ENG 101 English Composition I	Fall, Spring, Summer	3
Semester 3 14 credit hours	ILT 169 Hydraulics/Pneumatics	Summer*	3
	ILT 197 <i>or</i> Motor Controls I <i>or</i> ELT 209 Motor Controls I	Summer*	3
	ILT 111 Concepts of Solid State Electronics	Summer*	5
	SPH 106 <i>or</i> Fundamentals of Oral Communication <i>or</i> SPH 107 Fundamentals of Public Speaking	Fall, Spring, Summer	3
Semester 4 8 credit hours	ILT 112 Concepts of Digital Electronics	Fall*	5
	ILT 194 Intro to Programmable Logic Controllers	Fall*	3
Semester 5 5 credit hours	ILT 216 Industrial Robotics	Spring*	3
	ILT 217 Industrial Robotics Lab	Spring*	2
Semester 6 3 credit hours	ILT 195 Troubleshooting Techniques	Summer*	3
Total Hours			54

*Course(s) may be offered in additional semesters 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 ILT program of study during a spring or summer semester should consult with an academic advisor to establish an alternate degree completion pathway.

Substituting ELT equivalent may necessitate additional coursework to obtain Industrial Electronics Certificate due to ELT and ILT credit hour differences. Approval for any additional coursework taken, to complete the ILT AAS degree, must be provided by the ILT Division Chair prior to registration.