

**Industrial Electronics Technology (ILT)**  
**Associate in Applied Science**  
**M.A.P.**

Semester	Suggested Courses	Semester(s) Offered	Credit Hrs.
<b>Semester 1</b> 13 credit hours	ILT 100 <i>or</i> Applied Electronic Computations <i>or</i> ELT 100 Applied Electronic Computation	Fall*	3
	ILT 106 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
<b>Semester 2</b> 14 credit hours	ILT 107 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
	Area II Fine Art or Humanities	Fall, Spring, Summer	3
<b>Semester 3</b> 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
	Area III Math or Natural Science Elective	Fall, Spring, Summer	3-4
<b>Semester 4</b> 11-12 credit hours	ILT 112 Concepts of Digital Electronics	Fall*	5
	ILT 194 Intro to Programmable Logic Controllers	Fall*	3
	Area III Math or Natural Science Elective	Fall, Spring, Summer	3-4
<b>Semester 5</b> 13 credit hours	ILT 276 Elements of Industrial Control II	Spring*	3
	ILT 277 Elements of Industrial Control II Lab	Spring*	2
	ILT 216 Industrial Robotics	Spring*	3
	ILT 217 Industrial Robotics Lab	Spring*	2
	Area IV History or Social/Behavioral Science	Fall, Spring, Summer	3
<b>Semester 6</b> 8 credit hours <i>ILT AAS Degree Achieved</i>	ILT 115 Advanced Industrial Controls	Summer*	3
	ILT 116 Advanced Industrial Controls Lab	Summer*	2
	ILT 195 Troubleshooting Techniques	Summer*	3

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

Part-time 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.