

AAS ELECTRICIAN APPRENTICESHIP  
COURSE REQUIREMENTS

Classes listed in blue are credits earned through the 5 year apprenticeship program.  
These are not taken at the College of Lake County

	Course Prefix	Course Number	Course Title	Credits
General Education Courses (Required)	ENG	121	English Composition I	3
	CMM	121	Fundamental of Speech	3
	EMF	111	Electronics Math I	2
	EMF	112	Electronics Math II	2
	ARC	228	History of Architecture	3
	HST	222	U.S. History 1876-present	3
	<b>TOTAL</b>			<b>16</b>
Technical/ Professional Specialty Courses (Required)	BCT	112	Construction Blue Print Read	3
	BCT	118	Mechanical & Electrical Equip.	3
	ELC	113	Basic Instrumentation & Shop Practices	3
	ELC	114	Motor and Machine Controls	3
	ELC	171	Programmable Logic Controllers	3
	ELC	211	Electrical Machinery	3
	ELT	117	Industrial Digital Electronics I	3
	ELT	170	DC Circuit Fundamentals	2
	ELC	172	Applied AC Circuit Theory	2
	ELT	173	Applied Analog Circuits	3
	ISE	114	National Electrical Codes	2
	ISE	118	Power Distribution	3
	ELT	111	Electronic Drafting	2
	ELT	171	Industrial Control Systems	3
	<b>TOTAL</b>			<b>38</b>
Work Based Learning Required internship, practicum, apprenticeship	EAP	111	Electricians Apprenticeship Work Experience I	2
	EAP	112	Electricians Apprenticeship Work Experience II	2
	EAP	113	Electricians Apprenticeship Work Experience III	2
	EAP	114	Electricians Apprenticeship Work Experience IV	2
	EAP	115	Electricians Apprenticeship Work Experience V	2
	<b>TOTAL</b>			<b>10</b>
Electives	ELC	276	Electrical Industrial Safety	1
	CAD	110	CAD/CAM Concepts	3
	<b>TOTAL</b>			<b>4</b>
<b>PROGRAM TOTAL HOURS EARNED</b>				<b>68</b>

Please contact Dee at the JATC office prior to starting classes at CLC.  
Our Project Coordinator at CLC is Michelle Leonard at 847-543-2760 or  
email at [mleonard@clcillinois.edu/eng529](mailto:mleonard@clcillinois.edu/eng529)