

**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. The classes marked with an asterisk are classes to be taken at CLC.

	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
	TOTAL			16
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
TOTAL			38	
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
	TOTAL			10
Electives	ELC	276	Electrical Industrial Safety	1
	*CAD	110	CAD/CAM Concepts	3
	TOTAL			4
PROGRAM TOTAL HOURS EARNED				68

*Please note these two classes have been either changed or added. Before your petition for graduation is completed you must have these classes signed off as course substitutions. Please contact our Project Coordinator at CLC. Allen White at 847-543-2000 ext 32450, before completing graduation paperwork.