

## Electrician's Apprenticeship Program

Electricity is essential for light, power, air conditioning and refrigeration. Electricians install, connect, test, and maintain electrical systems for a variety of purposes, including climate control, security and communications. Electricians generally specialize in construction or maintenance work, although a growing number do both. Most electricians learn their trade through apprenticeship programs. The College of Lake County program combines classroom instruction with on-the-job training in partnership with the International Brotherhood of Electrical Workers (IBEW) Local 150. *Students must be accepted into the IBEW apprenticeship program prior to enrollment in the program.*

For more information:  
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### COLLEGE OF LAKE COUNTY

#### First Year—First Semester

EMF 111 Electronics Mathematics I	2
EMF 112 Electronics Mathematics II	2
ELT 170 DC Circuit Fundamentals	2
ISE 114 National Electrical Code	2
EAP 111 Electrician Apprenticeship Work Experience I	2

#### First Year—Second Semester

ELT 111 Electronic Drafting	2
ELC 113 Basic Instrumentation & Shop Practice	3
EAP 111 Electrician Apprenticeship Work Experience I	

#### Second Year—First Semester

CMT 112 Construction Blueprint Reading	3
ELC 172 Applied AC Circuit Theory	2
EAP 112 Electrician Apprenticeship Work Experience II	2

#### Second Year—Second Semester

ENG 121 English Composition	3
ISE 118 Power Distribution	3
EAP 112 Electrician Apprenticeship Work Experience II	

#### Third Year—First Semester

ELT 173 Applied Analog Circuits	3
CMM 111 or 121 Communication Skills or Speech	3
EAP 113 Electrician Apprenticeship Work Experience III	2

#### Third Year—Second Semester

ELC 114 Motor and Machine Controls	3
ELC 276 Electrical Industrial Safety	1
CMT 118 Mechanical and Electrical Equipment	3
EAP 113 Electrician Apprenticeship Work Experience III	

#### Fourth Year—First Semester

ELC 211 Electrical Machines	3
ELC 171 Programmable Logic Controllers	3
EAP 114 Electrician Apprenticeship Work Experience IV	2

#### Fourth Year—Second Semester

HST 225 American Labor History or HST 222 US History, 1876 to Present	3
ELT 117 Industrial Digital Electronics I	3
EAP 114 Electrician Apprenticeship Work Experience IV	

#### Fifth Year—First Semester

CAD 117 Introduction to AutoCAD or CAD 110 CAD/CAM Concepts	3
ARC 228 History of Architecture	3
EAP 115 Electrician Apprenticeship Work Experience V	2

#### Fifth Year—Second Semester

ELT 172 Industrial Control Systems	3
EAP 115 Electrician Apprenticeship Work Experience V	

Total Hours 68

### DeVry University - Technical Management

For students seeking the most comprehensive, hands-on and career-oriented technical management degree completion program, DeVry will give you the best advantage. Here's why:

**Recognized leader.** A leader in technology-based business education for over 75 years, DeVry prepares you for high-demand, high-paying careers in technical management.

**Employer approved.** DeVry works with industry leaders to design programs that produce graduates who meet their needs. Our Technical Management bachelor's degree holders have more of the communications and teamwork skills that today's employers seek.

**Career-focused education.** DeVry offers an accelerated bachelor's completion degree program, application-based learning in up-to-date computer labs, accessible faculty with technical expertise and professional experience in the field, and the ultimate flexibility of a Technical Management degree.

**Competitive advantage.** With qualifying prior credit to apply, you'll complete your technical management degree in less time and less expensively than you would in a traditional bachelor's degree program, allowing you to launch or advance your career ahead of the competition.

### Bachelor of Science in Technical Management

A total of 63 credits of **junior and senior level** courses are required for the degree, coupled with 68 credits from the community college level (totaling 131 credit hours). The student may transfer in courses in addition to those in the College of Lake County AAS Degree to bring the total credits transferred to 75% of the degree. 42 credit hours of upper division courses must be taken in residency at DeVry University.

Business, Management & Technology		26 Credit Hours
BIS 155	Advanced PC Applications	Required
BUSN 115	Intro to Business & Technology	Required
BUSN 460	Senior Project	Required
COMP 100	Computer Apps for Business	Required
MGMT 303	Principles of Management	Required
MGMT 404	Project Management	Required
ACCT 301	Essentials of Accounting	Recommended
Upper Division Business Electives totaling 4 credit hours		

Electives	10 Credit Hours
Upper Division Electives totaling 10 Credit Hours	

General Education		27 Credit Hours
CARD 405	Career Development	Required
ECON 312	Principles of Economics	Required
HUMN 432	Technology, Society & Culture	Required
ENGL 135	Advanced Composition	Required
MATH 114	Algebra for College Students	Required
MATH 221	Statistics	Required
	Any Science w/ Lab	Required
Upper Division General Education Electives totaling 3 credit hours		