

# APPLIED ELECTRICAL INSTALLATION

**6-MONTH  
CERTIFICATE**

Are you ready for a highly technical and in-demand career as an electrician? Learn a wide range of skills from electrical safety and codes to more advanced skills in wiring and blueprint reading.

## Why should you choose career in Applied Electrical Installation?

### **1 Stay current**

Connect yourself to a lucrative career with this six-month Applied Electrical Installation certificate. Combining theory and practical components, this program will focus on residential wiring and safe work procedures and practices.

### **3 Plug into industry**

Gain the entry-level skills industry is seeking. This program will provide a base to build a career in the electrical trade. Upon successful completion, you will be ready to start an apprenticeship in the electrical industry and begin working toward journeyman certification.

### **2 Be a conduit for learning**

This entry-level program will take you from electrical safety and general code to electrical skills in wiring and blueprint reading. Work with mock-ups that simulate industry scenarios and put your skills to work wiring a simulation condo. A three-week industry-based practicum will emphasize practical applied learning, preparing you for real-world electrical problems you can solve.

### **4 Spark your career**

Graduates will have the opportunity to build careers and further their apprenticeship training with electrical contractors and construction companies, in maintenance departments or with public utilities. Register as an apprentice within two years of finishing the program and you may get in-school training credit for Level 1 Construction Electrician, Industrial Electrician or Power Electrician apprenticeships.

#### **FULL-TIME, ON-CAMPUS TIMELINE:**

**FEBRUARY 2021**  
Term 1 begins

**AUGUST 2021**  
Practicum

**NOVEMBER 2021**  
Graduation

Program delivery options:



Parkland Campus

## CAREER OPPORTUNITIES

Graduates find employment opportunities with electrical contractors, construction companies, maintenance departments of industrial companies, public utilities and wholesale suppliers.

## ADMISSION REQUIREMENTS

- A complete Manitoba Grade 12 or equivalent
- Consumer/Essential Mathematics 40S or equivalent

English is the language of instruction at Assiniboine. All applicants educated outside of Canada or in a country not on the test exempt list are expected to meet the English language proficiency requirement. See [assiniboine.net/elp](http://assiniboine.net/elp) for more information.

## TECHNOLOGY REQUIREMENTS

Programs at Assiniboine have certain technology requirements. Students require access to computer devices at home and may be required to bring these on campus when instructed. Refer to [assiniboine.net/tech](http://assiniboine.net/tech) for more detailed information about the requirements for this program.

## UNIQUE LEARNING EXPERIENCES

- Modern, well-equipped electrical shop
- Emphasis on practical, applied learning
- Industry-based practicum

## GRADUATION REQUIREMENTS

To graduate with an Applied Electrical Installation certificate, students must successfully complete 46.5 academic credits and 1 practical credit.

The minimum passing grade for each course is indicated on the course outline.

## CONNECTIONS

Students who successfully complete the accredited program with an accumulative average of 70% or better in the trade subjects and level for which the program was accredited, gain employment and register as an apprentice within two years of graduating, will receive credit for Level 1 in-school technical training and 900 hours in the Construction, Industrial or Power Electrician apprenticeship program.

Assiniboine has a number of agreements with other colleges, universities and professional organizations, making it possible for students to apply credit taken at Assiniboine to programs at other institutions. For up-to-date information on agreements, visit [assiniboine.net/registrar](http://assiniboine.net/registrar) or the program page.

## PROGRAM FEES (DOMESTIC ONLY)

Tuition, fees and Students' Association fees total approximately **\$3,450**.

Estimated cost for books and supplies is **\$1,730**.

*All fees are estimated and subject to change without notice.*

## COURSES 2021-22

NUMBER	COURSE TITLE	CREDITS
ELEC-0020	AC Theory Devices & Circuits	6
WRKP-0038	Applied Electrical Safety	3
MATH-0089	Applied Math and Science	6
DRFT-0009	Blueprint Reading (ELECT)	3
PEDV-0251	Careers in Electrical Trade	1.5
COMM-0045	Communications	3
ELEC-0021	DC Theory Devices & Circuits	6
ELEC-0019	Electrical Code 1	6
PRAC-XXXX	Practicum - Applied Electrical	1
ELEC-0018	Residential Premise Wiring	12

*Note: Timelines, applicable industry experience, and teaching methodology will depend on program delivery choice; program information sheets subject to change without notice. Visit [assiniboine.net](http://assiniboine.net) for the most up-to-date information.*

## NEXT STEPS

Apply now! Visit [assiniboine.net/applynow](http://assiniboine.net/applynow). For more information on this program, visit [assiniboine.net/appliedelectrical](http://assiniboine.net/appliedelectrical).