

# Renewable Energy Solar Photovoltaic Systems

**16-Week Certificate of Achievement**

Gain foundational knowledge and hands-on training in solar PV systems, focusing on installing solar panels. Completing this microcredential can help you expand your career by offering solar installation services and transitioning into roles such as Solar Energy Technician.

## 1 GROW YOUR KNOWLEDGE

This microcredential is designed for individuals currently in or entering the clean technology sector. It is suitable for skilled trades professionals such as home builders, carpenters, or general contractors with at least three years' work experience.

## 2 EMPLOYMENT AND PROFESSIONAL DEVELOPMENT OPPORTUNITIES

With this program students are up-skilling their knowledge into becoming solar panel installers.

## 3 SKILLS FOR SUCCESS

strong electrical and mechanical aptitude, problem-solving abilities, attention to detail, physical stamina for demanding work at heights and with heavy equipment.

## 4 GRADUATES WILL BE ABLE TO:

- ▶ Describe the key technologies in solar, wind, hydro, and geothermal energy, along with their benefits and challenges.
- ▶ Explain how solar PV systems generate power, identify different equipment types, and understand factors affecting performance.
- ▶ Use system documentation to install racking systems, attach PV modules, and apply essential safety practices, including PPE, fall protection, and wiring management.



### Campus/Delivery Options

Distance Education



### Available Intakes

Monthly  
(Oct, Nov & Dec 2025)



### Course Load

Part-time

## ADMISSION REQUIREMENTS

- ▶ Minimum 3 years' of skilled labourer experience (supported by a Letter of Intent)
- ▶ Mathematics 20S or equivalent
- ▶ English Language Arts 20F or equivalent

## PROGRAM FEES

\$200 application fee

Tuition is funded by Upskill Canada.

## COURSES

- ▶ Introduction to Clean Energy Technologies
- ▶ Introduction to Solar Photovoltaic Systems
- ▶ Solar Photovoltaic Installation

## WORKED INTEGRATED LEARNING

This program is set up for working individuals to get hands-on experience and specific knowledge for solar panel installation. Students can work with their current employers or with our partners for a practicum with current professionals working in solar panel installation.

## NEXT STEPS

Complete your online application!  
[assiniboine.net/apply](https://assiniboine.net/apply)

# Continuing Studies Program & Course Guide

From career upgrades to personal growth, our flexible and accessible courses are designed to fit your life. Whether you're exploring a new field or sharpening your skills, there's something for everyone.



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