

# Applied Building Construction

**6-Month** Certificate

Start with an introduction to basic tools and before you know it, you will be reading blueprints, building stairs and framing walls.

## PROGRAM LEARNING OUTCOMES

- ▶ Interpret project plans and produce technical sketches and documents to support building construction and renovation projects.
- ▶ Select and use technologies to obtain, organize and communicate building construction and renovation information.
- ▶ Solve problems related to the implementation of building construction and renovation projects by using basic mathematics, building design and building science.
- ▶ Select, maintain and safely use hand tools, and portable and stationary power tools, when performing layout, cutting, fitting and assembly operations, and standard woodworking machinery.
- ▶ Complete building and renovation stages, from site layout and footings to the application of interior and exterior finishes, in accordance with blueprint specifications and conservation principles.
- ▶ Assist in the preparation of material estimations and quotes and complete all work in compliance with the rights and conditions of contractual obligations, provincial and/or national Building Codes, applicable laws, bylaws, standards and ethical practices in the construction, renovation and building fields.
- ▶ Communicate and collaborate with diverse clients, supervisors, coworkers and tradespersons to complete projects on time and to maintain effective working relationships.

For a full list of program learning outcomes, visit [assiniboine.net/appliedbuilding](http://assiniboine.net/appliedbuilding)

## YOU MIGHT BE A GOOD FIT FOR THIS PROGRAM IF YOU WOULD ENJOY:

- ▶ A short, introductory program in carpentry and construction.
- ▶ A physically demanding occupation.
- ▶ Envisioning and building projects.
- ▶ Problem-solving and critical thinking in a construction environment.



## EXPECTATIONS

### Program and Industry

- ▶ Be reliable, punctual, and regularly attend work.
- ▶ Move around and work within the environment, negotiating different areas including stairs and ladders, confined spaces, heights, uneven terrain and scaffolds.
- ▶ Complete responsibilities requiring standing, bending, and climbing.
- ▶ Have the strength, dexterity, balance and stamina required to work in or on equipment.
- ▶ Work in noisy, dusty and/or fume-filled areas with appropriate personal protective equipment
- ▶ Interpret technical documents, drawings, specifications, building codes, regulations, bylaws and standards.
- ▶ Communicate effectively with others including suppliers, co-workers, other tradespeople, safety and building inspectors, manufacturer representatives, customers, and apprentices.
- ▶ Work in industry-specific shifts, schedules, and conditions.
- ▶ Listen to directions and act on them accordingly.
- ▶ Demonstrate safety-conscious attitudes and work practices.

## CAREER OPPORTUNITIES

- ▶ Residential or commercial construction
- ▶ Contracting companies
- ▶ Material merchandiser
- ▶ Prefabrication centres
- ▶ Maintenance companies

## ADMISSION REQUIREMENTS

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

# Next Steps

**Confidence in the career path you choose to embark on is key and selecting the right program for you is the first step. At Assiniboine, we offer an opportunity to explore and experience a program before applying. Choose to:**

### Spend a day with us

Our Spend a Day program runs from November to March for most programs. When you spend a day at Assiniboine, we partner you with a current student in the program of your choice so you have the opportunity to:

- ▶ Participate in classroom activities
- ▶ Experience college life
- ▶ Explore all of our helpful services for students
- ▶ Meet current college students and instructors
- ▶ Enjoy a free lunch on us!

### Attend an online info session

Our free, live online information sessions give you the inside scoop on the program you're interested in and life at Assiniboine. Register in advance and from the comfort of your own home, log in to learn about Assiniboine.

[assiniboine.net/experienceassiniboine](https://assiniboine.net/experienceassiniboine)

**Ready to start?  
Apply Now!**

