

# HEAVY EQUIPMENT TECHNICIAN

**9-MONTH  
CERTIFICATE**

Develop your skills in servicing, diagnosing and repairing agricultural, heavy duty and transport equipment. Gain practical skills with all types of engines, systems and safety regulations.

## Why should you choose career as a Heavy Equipment Technician?

- 1 Dig deep**  
This nine-month certificate program gives you the training you need to service agricultural, heavy equipment and transport trucks. Learn the theory of diagnosing and repairing, then get in the shop and put that theory to work operating and fixing the machines.
- 2 Master many skills**  
You will be trained on diesel engines, power trains, and electrical systems, along with learning related shop skills, not to mention important shop and workplace safety. You will also explore the different types of systems that are responsible for electronic and computerized control, monitoring, diesel and gasoline fuel, air-conditioning, hydraulics, steering, suspension and advanced braking, plus equipment service and operation.
- 3 Loads of opportunity**  
You can earn credit as an apprentice or put your skills to work immediately in an agricultural or heavy duty business. You will be ready to take on entry-level roles in industries like construction, agriculture, transport, mining, oil field and logging, with jobs available as technicians in the farm machinery, transport truck and construction equipment sectors.
- 4 Invest in your future**  
If you register as an apprentice within two years of finishing the program you may receive credit for Level 1 of Agricultural Equipment Technician apprenticeship, Heavy Duty Equipment Technician apprenticeship, or Truck and Transport Mechanic apprenticeship.

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

**SEPTEMBER**  
Fall term begins

**JANUARY**  
Winter term begins

**MAY**  
Work placement

**JUNE**  
Graduation

Program delivery options:



North Hill Campus

## CAREER OPPORTUNITIES

Graduates find employment as technicians in the farm machinery, transport truck and construction equipment sectors.

## 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.

## PROGRAM CONSIDERATIONS

To be successful in this program and industry, it is important for you to be able to:

- Wear Personal Protective Equipment (PPE) including safety glasses and steel toe boots
- Work outdoors in extreme warm and cold weather conditions (+30°C to -40°C)
- Use ladders and work at varying heights
- Be able to lift a minimum of 50 pounds
- Work as part of a team
- Be punctual and attend class on a regular basis

## UNIQUE LEARNING EXPERIENCES

- Modern, well-equipped laboratories and shops
- Hands-on emphasis in all courses

## GRADUATION REQUIREMENTS

To graduate with a Heavy Equipment Technician certificate, students must successfully complete 75 academic credits and 3 practical credits.

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

## NEXT STEPS

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

## CONNECTIONS

Students who successfully complete the accredited certificate 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 Heavy Duty Equipment Technician, Agricultural Equipment Technician or Truck and Transport Mechanic 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 **\$5,650**.

Estimated costs for books and supplies are **\$3,790** for year one.

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

## COURSES 2021-22

NUMBER	COURSE TITLE	CREDITS
COMM-0045	Communications	3
ELEC-0001	Electrical Science	3
ELEC-0036	Electrical Systems	15
MECH-0146	Engines	9
MECH-0127	HVAC Systems	3
MECH-0147	Hydraulics	9
BUSN-0154	Industry Encounter	3
MATH-0113	Math - HETCH	3
WRKP-0036	Orientation/Shop Skills-HDET	12
MECH-0148	Power Trains	12
PRAC-0290	Practicum - HET	3
WELD-0001	Welding 1	3

*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.*