

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 Year 1 fall term begins	JANUARY Winter term begins	MAY Work placement	SEPTEMBER Year 2 fall term begins	JANUARY Winter term begins	JUNE Graduation
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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 for more information.

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.

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 or the program page.

PROGRAM FEES (DOMESTIC ONLY)

Tuition, fees and Students' Association fees total approximately **\$5,250**.

Estimated costs for books and supplies are **\$3,360** for year one.

All fees are estimated and subject to change without notice.

COURSES 2020-21

NUMBER	COURSE TITLE	CREDITS
YEAR ONE		
COMM-0045	Communications	3
ELEC-0001	Electrical Science	3
ELEC-XXXX	Electrical Systems	15
MECH-XXXX	Engines	9
MECH-XXXX	Hydraulics	9
MECH-XXXX	HVAC Systems	3
BUSN-0154	Industry Encounter	3
MATH-XXXX	Math - Heavy Equipment	3
WRKP-0036	Orientation/Shop Skills-HDET	12
MECH-XXXX	Power Trains	12
PRAC-XXXX	Practicum - HDET	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 for the most up-to-date information.

NEXT STEPS

Apply now! Visit assiniboine.net/applynow.
For more information on this program,
visit assiniboine.net/heavyequip.