

ELECTRIC MOTOR SYSTEMS TECHNICIAN

YOU WERE **MADE** FOR THIS!



APPRENTICESHIP: Yes
RED SEAL: Yes
LEVELS: 4
IN SCHOOL: 4 sessions
WAGE: \$22,880 - \$32,760

AT A GLANCE

- Diagnosing problems
- Stripping of equipment
- Repairing, rebuilding and testing electrical equipment including motors, generators, transformers, and control equipment
- Rewinding motors of varying sizes
- Using appropriate testing equipment
- Using hand and power tools
- Insulating operations
- Taking data

CAREER ADVANCEMENT / RELATED CAREERS

- **Experienced:** self-employed, work with larger and more complicated electric motors, transformers and switch gears

HOW DO I GET STARTED?

To enter the apprenticeship program full-time, you must be:

- 16 years or older (may need parental consent to work on construction site)
- High school grad or mature student with equivalent academic standing
- **Recommended high school courses:** English, Math, Science, and Construction courses

AVAILABLE TRAINING

- High School Vocational Programming
- High School Apprenticeship Program (HSAP)
- Post-Secondary Education
- Private Vocational Institutions

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CONSTRUCTION CAREERS IN MANITOBA

Careers with Apprenticeship Trades

CONSTRUCTION (27)

Boilermaker	Interior Systems Mechanic (Lather)
Boom Truck Hoist Operator	Ironworker (Generalist)
Bricklayer	Landscape Horticulturalist
Cabinetmaker	Mobile Crane Operator
Carpenter	Painter & Decorator
Concrete Finisher	Plumber
Construction Craft Worker	Pre-Engineered Building Erector
Construction Electrician	Refrigeration & AC Mechanic
Floor Covering Installer	Roofer
Gasfitter	Sheet Metal Worker
Gasfitter (Domestic)	Sprinkler System Installer
Glazier	Steamfitter / Pipefitter
Industrial Mechanic (Millwright)	Tower Crane Operator
Insulator (Heat & Frost)	

INDUSTRIAL (8)

Electric Motor System Technician	Power Electrician
Industrial Electrician	Tool & Die Maker
Industrial Instrument Mechanic	Waste & Water Technician
Machinist	Welder

SERVICE (1)

Partsperson

TRANSPORTATION (6)

Bodyframe Specialist	Motor Vehicle Body Repairer
Diesel Engine Mechanic	Transport Trailer Technician
Heavy Equipment Technician	Truck & Transport Mechanic

Beyond the Trades

CONSTRUCTION (9)

Architect	Land Surveyor
Civil Engineer, P. Eng.	Landscape Architect
Cribber	Plasterer
Drywall Taper	Tilesetter
Grounds Maintenance Worker	

INDUSTRIAL & TRANSPORTATION (13)

Blaster in Charge	Flagperson
Civil Engineering Technician/ Technologist (C.E.T)	Labourer, General & Skilled
CNC Operator	Metal Finisher
Driller	Maintenance Mechanic
Health & Safety Manager	Power Engineer
Heavy Equipment Operator	Project Manager
	Truck Driver

OTHER (12)

Building Inspector	Mortgage Broker
Buyer/Purchasing Agent	Property Manager/ Administrator
Draftsperson	Real Estate Agent
Elevator Constructor	Scheduler/Expediter
Estimator	Technical Salesperson/Supplier
Home Appraiser	Vocational Instructor

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