

Appliance Service Technician PROGRAM OUTLINE

PROGRAM DETAILS

The Appliance Service Technician Certificate Program at the Institute of Machine Tool Technology (IMTT) provides students with the technical knowledge and practical skills required to install, diagnose, maintain, and repair major household appliances. This career-focused program covers electrical fundamentals, appliance electrical systems, refrigeration principles, water and air systems, and advanced troubleshooting techniques. Through a combination of classroom instruction and practical hands-on training, students develop the skills needed to safely service residential appliances. Whether entering the workforce or upgrading existing skills, this program equips graduates with the practical expertise employers value in today's appliance service industry.

ADMISSION REQUIREMENTS

- Grade 12 Diploma or equivalent GED
- Minimum 18 years or older
- English Language Proficiency

Note: For the most accurate and up-to-date admission requirements, we recommend contacting our institute directly or visiting our website.

EMPLOYMENT PROFILE

Appliance Service Technicians play an essential role in installing, maintaining, diagnosing, and repairing residential appliances. Their responsibilities include interpreting wiring diagrams and service manuals, performing electrical and mechanical testing using diagnostic equipment, identifying faulty components, repairing refrigeration and electrical systems, replacing defective parts, and carrying out preventive maintenance. They ensure appliances operate safely, efficiently, and in accordance with manufacturer specifications while delivering quality customer service.

CAREER OPPORTUNITIES

- Appliance Service Technician
- Appliance Repair Technician
- Warranty Service Technician
- Residential Appliance Installer
- Maintenance Technician
- Appliance Service Contractor

Annual Salary	\$41,000 – \$64,000
Hourly Rate	\$20.00/hr – \$30.54/hr

**According to jobbank.gc.ca (NOC code 72421)*

PROGRAM DURATION

Total Program Hours	480 Hours
Total Program Length	24 Weeks

PROGRAM FOCUS

- Electrical Safety Practices
- Electrical Theory & Electronics
- Appliance Diagnostics
- Water and Air Systems
- Installation, Maintenance & Repair
- Hands-on Practical Training

Gain valuable hands-on experience and industry-ready skills through the Appliance Service Technician Certificate Program at IMTT. This program prepares students to confidently install, diagnose, maintain, and repair a wide variety of residential appliances using industry-standard tools, testing equipment, and safe servicing practices.

PROGRAM SUMMARY

This table will display a summary of total Instructional hours and percentage weight for every type of learning entered in the List of Subjects. The Ministry, Career College, and any subject or education assessors may refer to this section for a general understanding of the program's components.

Type of Learning	Total Instruction Hours	% Weight
Theory	198	41.25%
Practical	282	58.75%
Total Program Hours	480	100 %

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PROGRAM OUTLINE

List of subjects with the time allocation for each

#	Subject	Instruction Hours
Delivery Format – Hybrid		
1	Introduction to Appliance Service	20.00
2	Safety Practices and Procedures	40.00
3	Fundamentals of Electricity and Electronics	80.00
4	Appliance Electrical Systems	80.00
5	Water and Air Systems in Appliances	60.00
6	Refrigeration Systems	80.00
7	Specific Appliance Training	120.00
	Total Hours	480

**The course content may be changed as per industry standards*

Please Note:

- a)** Course order may differ from the sequence shown in this outline.
- b)** Program fees include all textbooks, supplies, and required certifications.
- c)** Some program components may be delivered online, through computer-assisted learning, or a blended format with instructor support.
- d)** The College may update program content, schedules, materials, instructors, or technology as needed to support ongoing improvement. Changes take effect upon implementation.

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