

# TMM Academics – Program & Learning Path Summary



## Purpose of This Document

This summary outlines the recommended learning paths within TMM Academics. Training is designed to be flexible and modular, allowing technicians to focus on specific systems while building strong foundational knowledge that supports accurate diagnostics and confident repairs.

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## Recommended Learning Approach

Rather than following a rigid sequence, TMM Academics training is organized into learning paths that build upon one another. Technicians may begin at any point based on experience level, but long-term success is achieved by strengthening fundamentals before advancing to complex systems.

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## Core Learning Foundations

These foundational areas support all appliance repair training and are recommended for all technicians:

- Electrical Fundamentals and Safety
- Understanding Wiring Diagrams
- Component Identification and Function
- Proper Testing Methods and Tools
- Diagnostic Logic and Troubleshooting Process

A strong grasp of these topics improves accuracy, efficiency, and confidence across all appliance platforms.

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## System-Specific Learning Paths

Once foundational concepts are understood, technicians can focus on specific appliance systems and technologies.

### Automatic Washers

- System operation and wash cycle logic
- Motor types, drives, and control systems
- Water fill, drain, and sensing systems
- Common failure patterns and diagnostic strategies

## Refrigeration Systems

- Sealed system fundamentals
- Refrigeration components and operation
- Temperature control and defrost systems
- Diagnostic approaches for cooling complaints

## Induction Cooking Technology

- Principles of induction heating
  - Power electronics and control boards
  - Safety systems and cookware detection
  - Common faults and testing considerations
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## Advanced Skill Development

As technicians progress, training emphasizes deeper diagnostic skills, including:

- Interpreting service data and technical documentation
  - Diagnosing electronic control systems
  - Understanding variable-speed and inverter-driven components
  - Applying systematic troubleshooting under real service conditions
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## Learning Formats and Resources

Each learning path is supported by multiple training formats:

- Instructor-led online training sessions
- Online self-study programs
- Ad-free instructional videos
- Digital training books and reference materials

These resources allow technicians to reinforce concepts, revisit material, and continue learning at their own pace.

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## Training Philosophy Reminder

TMM Academics training is built on the belief that correct diagnosis begins with understanding. By developing strong fundamentals and following a logical diagnostic process, technicians are better equipped to solve problems efficiently and professionally.

*Understanding the system is the foundation of every repair.*