

# 2017-2018 Course Catalog

*Basic Appliance Repair*

*Appliance Electrical Theory and Microwaves*

*Basic Refrigeration*

*Basic Laundry*



*Ohio Registration #13-03-2010T*

# Fred's Appliance Academy

Instructor - Fred Butcher  
Instructor - Benjamin Butcher  
Instructor - Timothy Gleba  
Director - Adam Butcher  
Director of Student Affairs and Services - Jamie Lovejoy

1949 Hubbard Road  
1955 Hubbard Road (Mailing)  
Madison, Ohio 44057

(888) 45-FREDS x 9  
school@fredsappliance.com  
academy.fredsappliance.com

Ohio State Board of Career Colleges and Schools Registration # 13-03-2010T

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## Certifications

### NASTeC Certification ([www.iscet.org](http://www.iscet.org))

NASTeC stands for National Appliance Service Technician Certification. Those who take the NASTeC exam (as everyone does at the end of our training course) will be measured on their overall ability to handle the job of servicing major home appliances. By passing the exam, you're proving that you have the knowledge, ability and the skills to do the job right.

### Appliance Service Fundamentals Certificate ([ioAST.org](http://ioAST.org))

ioAST stands for Institute of Appliance Service Technicians. The exam tests various skills required to be an appliance repair technician. When you pass the ASF certification you'll be able to show an employer that you have the knowledge, ability and the skills to do the job right.

### Fred's Appliance Academy Certificate

You receive a certificate of completion from the Academy upon finishing the course. A certificate is awarded to each student who satisfactorily completes required coursework with a total average of 75% or better and attends 90% of scheduled classes.

# Basic Appliance Repair

(3 Week Program)

## SEQUENCE OF COURSES AND CLOCK HOURS

Appliance Electrical Theory	15	Clock Hours
Microwave Ovens	7	Clock Hours
Gas and Electric Dryers	7	Clock Hours
Gas and Electric Ranges	7	Clock Hours
Front & Top Load Washers	7	Clock Hours
Dishwashers	6	Clock Hours
Garbage Disposals	1.5	Clock Hours
Trash Compactors	1.5	Clock Hours
Refrigerators	29	Clock Hours
Freezers	21	Clock Hours
Ice Makers	2	Clock Hours
Review	8	Clock Hours
National Certification Testing	8	Clock Hours
<b>Total Clock Hours</b>	<b>120</b>	<b>Clock Hours</b>

## Basic Appliance Repair Training Skills

(3 Week Program)

### BASIC ELECTRICITY

- What is electricity
- How is electricity made
- A/C and D/C
- Series and parallel circuits
- Ohm's Law

### MICROWAVES

- Requirements: installation, electrical, and venting
- Testing for microwave leakage
- Basic Theory and testing of components

### DRYERS

- Electrical components used including switches, timers, electronic controls and sensors
- Installation requirements: venting, electrical, and plumbing requirements
- Importance of proper airflow
- Gas burners and controls

### RANGES

- Installation requirements: proper electrical and plumbing requirements
- Discuss types of heating elements
- Infinite switches & electronic oven & surface unit controls
- Gas burners and converting from natural to LP
- Types of ignition systems

# Basic Appliance Repair Training Skills (cont.)

(3 Week Program)

## WASHERS

### -Top Load Washers

- Requirements for: installation, electrical, and plumbing
- Disassembly and reassembly of complete washer
- Proper use of detergent and additives
- Identifying chemical damage of clothing
- Electrical circuit including mechanical and electrical controls

### -Front Load Washers

- Requirements for: installation, electrical, and plumbing
- Disassembly and reassembly of complete washer
- Electrical circuit including mechanical and electrical controls
- Advantage over top load washers

## REFRIGERATION

- Top mount, side by side, and bottom mount refrigerators
- Defrost systems
- Proper electrical & plumbing requirements
- Ice makers
- Water and ice dispensers
- Electronic controls
- Proper sealed system repairs
- Use of torch and high temperature braze
- Diagnosing of sealed system
- Damper controls
- Fast, efficient, & safe way to defrost evaporator coils

## GARBAGE DISPOSALS

- Requirements for: installation, electrical, and plumbing
- Basic theory and testing of components

## TRASH COMPACTORS

- Requirements for: installation and electrical
- Basic theory and testing of components

## REVIEW

- Student will be given ample time to review notes with instructor

## NATIONAL CERTIFICATION TESTING

- NASTEC - Two (2) hour time limit
- ASF - Two (2) hour time limit

## Basic Refrigeration

(1 Week Program)

### SEQUENCE OF COURSES AND CLOCK HOURS

Refrigerators & Freezers	28 Clock Hours
Ice Makers	2 Clock Hours
Brazing & Soldering	5.5 Clock Hours
Review	2 Clock Hours
<b>Total Clock Hours</b>	<b>37.5 Clock Hours</b>

### Basic Refrigeration Training Skills

#### APPLIANCE ELECTRICAL THEORY

- How to check components with a meter

#### REFRIGERATION

- Top mount, side by side, and bottom mount refrigerators
- Defrost systems
- Proper electrical & plumbing requirements
- Ice makers
- Water and ice dispensers
- Electronic controls
- Proper sealed system repairs
- Use of torch and high temperature braze
- Diagnosing of sealed system
- Damper controls
- Fast, efficient, & safe way to defrost evaporator coils

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## Basic Laundry

(1 Week Program)

### SEQUENCE OF COURSES AND CLOCK HOURS

Basic Electrical Theory	6 Clock Hours
Gas and Electric Dryers	12 Clock Hours
Top and Front Load Washers	10 Clock Hours
Boot Camp	7 Clock Hours
Hot Water Heaters	1 Clock Hour
LP Conversion	1 Clock Hour
<b>Total Clock Hours</b>	<b>37 Clock Hours</b>

### Basic Laundry Training Skills

- Basic Electricity as it applies to laundry products
- Gas Dryers – Repair, and Diagnostics
- Electric Dryers – Repair, and Diagnostics
- Top Load Washers – Repair, and Diagnostics
- Front Load Washers – Repair, and Diagnostics
- Boot Camp – interactive, hands-on training on boot removal and replacement
- Hot Water Heaters – Common issues
- LP (liquid propane) conversion – proper conversion to and from LP gas and natural gas

# Appliance Electrical Theory and Microwaves

(1 Week Program)

## SEQUENCE OF COURSES AND CLOCK HOURS

Electrical Theory Lecture	8 Clock Hours
Correct Meter Usage	6 Clock Hours
Ohm's Law in Appliance Repair	3 Clock Hours
Circuit Building	2 Clock Hours
Reading Wiring Diagrams	4 Clock Hours
Correct Outlet Testing	6 Clock Hours
Microwave Diagnostics	6 Clock Hours
Microwave Repair	5 Clock Hours
<b>Total Clock Hours</b>	<b>40 Clock Hours</b>

## Appliance Electrical Theory and Microwaves Training Skills

### APPLIANCE ELECTRICAL THEORY

- Correct meter usage
- Ohm's Law in appliance repair
- Circuit building
- Reading wiring diagrams
- Correct outlet testing

### MICROWAVES

- Microwave diagnostics
- Microwave repair
- Fast, efficient, & safe way to defrost evaporator coils

## Class Dates

Class Name	Duration	Start Date	End Date
Basic Appliance Repair	3 week	08/07/17	08/25/17
Basic Appliance Repair	3 week	09/05/17	09/22/17
Basic Appliance Repair	3 week *	10/02/17	10/20/17
Basic Appliance Repair	3 week	10/01/17	11/17/17
Basic Laundry	1 week	11/27/17	12/01/17
Basic Refrigeration	1 week	12/11/17	12/15/17
Basic Appliance Repair	3 week *	01/02/18	01/19/18
Basic Appliance Repair	3 week	02/05/18	02/23/18
Basic Appliance Repair	3 week	03/05/18	03/23/18
Basic Appliance Repair	3 week	04/09/18	04/27/18
Basic Appliance Repair	3 week	05/07/18	05/25/18
Basic Refrigeration	1 week	06/04/18	06/08/18
Basic Laundry	1 week	06/18/18	06/22/18

*Classes marked with an \* start on a Tuesday - time will taken during those classes to make up for the lost day.*

***Enrollment closes at midnight on the Friday before class starts, or when all available seats have been taken.***



## How to Register

Register at [academy.fredsappliance.com](http://academy.fredsappliance.com)

### Tuition & Fees for Basic Appliance Repair- 120 Clock Hours:

Registration Fee .....	\$99.50
Tuition.....	<u>\$3999.99</u>
Total Cost .....	\$4099.49

*Total projected cost of program at current rates for, Tuition and Registration fee alone: \$4099.49*

### Tuition & Fees for Basic Refrigeration - 37.5 Clock Hours:

Registration Fee .....	\$99.50
Tuition.....	<u>\$1999.99</u>
Total Cost .....	\$2099.49

*Total projected cost of program at current rates for, Tuition and Registration fee alone: \$2099.49*

### Tuition & Fees for Appliance Electrical Theory & Microwaves - 40 Clock Hours:

Registration Fee .....	\$99.50
Tuition.....	<u>\$1999.99</u>
Total Cost .....	\$2099.49

*Total projected cost of program at current rates for, Tuition and Registration fee alone: \$2099.49*

### Tuition & Fees for Basic Laundry - 37 Clock Hours:

Registration Fee .....	\$99.50
Tuition.....	<u>\$1999.99</u>
Total Cost .....	\$2099.49

*Total projected cost of program at current rates for, Tuition and Registration fee alone: \$2099.49*

Tuition must be paid in full before the first day of class.

Tuition and fee charges are subject to change at the schools discretion. Any tuition or fee increases will become effective for the school term following student notification of the increase.

#### Textbook and Computer Fees

Unless specified, textbook and computer fees are not included in the cost of this program.

#### Payment Options

Payment can be made on-line by credit card.

## Prerequisites and Eligibility

Registration is open to any adult over the age of 18; students are required to be able to lift fifty (50) pounds. Students taking Basic Appliance Repair or Basic Refrigeration must have Type 1 608 EPA license (this is an open book test, taken on-line). Students must have a laptop with a Windows operating system and Internet Explorer or Edge browser. Students must have the textbook *Troubleshooting and Repairing Major Appliances*, 3rd Ed, by Eric Kleinert.

## Grading System

Due to the nature of the program a traditional grading system is not used. Students are issued a certificate of completion when the criteria have been met. Students must have an average of 75% or better to pass the course. Graded assignments may be turned in late with a 10 point penalty for each day late. They will not be accepted after the fourth day they are due. You may not use class time to work on a late assignment. Attempts to do so will result in a zero for the late work. In the case of excused absences, you have two extra days for each excused absence not counting the day of your return.

Grade	Minimum	Maximum
A	93.72	100
B	87.48	93.71
C	81.24	87.47
D	74.45	81.23
F	0.0	74.44

## **Leave/Absence/Tardiness/Makeup Work**

Because of the nature of the course it is not possible to take a leave of absence; the course must be completed in one 3-week setting or 1-week setting, depending on the course. Students missing more than 1.5 days will not be issued a certificate from the Academy. Tardiness will not be tolerated; class will not be held up or time spent reviewing what has been missed. Makeup work will be issued at the instructor's discretion.

## **Conduct Policy**

Fred's Appliance Academy shall not be held liable for any injury to individuals while on Fred's Appliance Academy, LLC, Fred's Appliance, LLC, or Gene Sr., LLC properties or any loss and/or damage to an individual's property that may occur while on Fred's Appliance Academy, LLC, Fred's Appliance, LLC, or Gene Sr., LLC properties.

All students are responsible for following safety codes and procedures related to the course. Students are expected to respect and adhere to school policies and course regulations. All students enrolled in any program at Fred's Appliance Academy are expected to display good conduct and self-discipline. Suspension or Termination and Probationary Period Policy.

## **Suspension or Termination and Probationary Period Policy**

Students may be suspended or terminated from the Academy for reasons including unsatisfactory work, attendance or disciplinary issues. If during the first week the instructor recognizes that the student has not completed coursework, as outlined in the Satisfactory Academic Progress section, the instructor may send the student home at his or her own expense (or his or her employer's expense). In order to be allowed re-entry into the program, students will need to reregister and seek permission of instructor. No refunds will be given for students who have been suspended or terminated.

## Cancellation and Refund Policy

### **Cancellation and Settlement Policy**

This enrollment agreement may be canceled within five days after the date of signing provided that the school is notified. If such cancellation is made, the school will promptly refund in full all tuition and fees paid pursuant to the enrollment agreement and the refund shall be made no later than thirty days after cancellation. This provision shall not apply if the student has already started academic classes, or if the classes are scheduled to begin in four days or less.

If the student is not accepted into the training program, all monies paid by the student shall be refunded.

Refunds for books, supplies, and consumable fees shall be made in accordance with Ohio Administrative Code section 332-1-10.1. There is one (1) academic term for this program which is: 120 clock hours in length (Basic Appliance Repair), or 37.5 clock hours in length (Basic Refrigeration), or 40 clock hours in length (Appliance Electrical Theory and Microwaves).

Refunds for tuition and refundable fees shall be made in accordance with the following provisions as established by Ohio Administrative Code 332-1-10.0:

- (i.) A student who withdraws before the first day of class and after the 5-day cancellation period shall be obligated for the registration fee.
- (ii.) A students who starts class and withdraws before the academic term is 15% completed will be obligated for 25% of the tuition and refundable fees plus the registration fee.
- (iii.) A student who starts class and withdraws before the academic term is 15% but before the academic term is 25% completed will be obligated for 50% of the tuition and refundable fees plus the registration fee.
- (iv.) A student who starts class and withdraws after the academic term is 25% complete but before the academic term is 40% completed will be obligated for 75% of the tuition and refundable fees plus registration fee.
- (v.) A student who starts class and withdraws after the academic term is 40% completed will not be entitled to a refund of the tuition and fees.

The school shall make the appropriate refund within thirty days of the date the student is able to determine that the student has withdrawn or has been terminated from a program. Refunds shall be based upon the last date of a student's attendance or participation in an academic school activity.

Students will be notified of a canceled session on or before the 30th day prior to the session start date.

## Complaint or Grievance Procedure

All student complaints should be first directed to the school personnel involved. If no resolution is forthcoming, a written complaint shall be submitted to the director of the school. Whether or not the problem or complaint has been resolved to his/her satisfaction by the school, the student may direct any problem or complaint to the Executive Director, State Career Colleges and Schools, 30 East Broad Street, Suite 2481, Columbus, Ohio, 43215, Phone 614-466-2752; toll-free 877-275-4219.

## Satisfactory Academic Progress (SAP)

The Fred's Appliance Academy Basic Appliance Repair Program is 120 clock hours. Satisfactory progress is evaluated every week throughout the program. The student is required to make quantitative progress toward program completion. To be making satisfactory academic progress, a student must attend at least 90% of the scheduled class hours on a cumulative basis during each evaluation period.

The student's hands-on participation in the classroom and in the lab, along with completion of required reading will be used to determine the student's qualitative progress. The minimum required is 75% at the conclusion of each evaluation period. Incomplete grades are not given. Course work repeated may adversely affect a student's academic progress in terms of the maximum time frame.

Students who withdraw from the program will not receive a certificate of completion. Students who withdraw from the program will not be eligible to complete the ASF and NASTEC certification tests.

## Transfer and Readmitted Students

Transfer students from outside Fred's Appliance Academy will be evaluated qualitatively only on work completed while at the Academy. The maximum time frame is not reduced for transfer students. The maximum time frame may be reduced for readmitted students with Instructor and School Director approval.

## Non-Discrimination

Fred's Appliance Academy affirms that no person shall, on the basis of sex, race, religion, color, national origin be excluded from participation in, be denied the benefits or, or be subjected to discrimination under any educational program or activities conducted under its auspices. This shall extend to employees therein and admissions thereto.

## Safety

Some areas of the program require protective clothing and/ or safety equipment. It is mandatory that students wear or use this equipment in every hands-on class; this includes safety glasses. No sandals, open-toe shoes, or shorts will be permitted.

## Academic Probation

If a student fails to meet the cumulative 90% attendance or the 75% evaluation average for any evaluation period, or both, he or she will be placed on probation for the next evaluation period. Failure to achieve 90% attendance or the 75% evaluation, or both, at the end of the probation period will result in the administrative withdrawal of the student. Students (and their employer, if applicable) will be notified in writing when they are placed on academic probation and the steps necessary to be removed from academic probation status. Students will also receive attendance or academic counseling from the School Director, as appropriate, when they are placed on academic probation. Fred's Appliance Academy will notify a student in person, in writing, if he or she is being administratively withdrawn for unsatisfactory academic progress. If applicable, the student's employer will be notified by phone or email, and by certified letter.

## Appeal

The student may submit a written appeal of his or her dismissal within 2 calendar days of their receipt of the dismissal notice. The appeal must be accompanied by documentation of the mitigating circumstances that have prevented the student from attaining satisfactory academic progress and evidence that changes have occurred to allow the student to now meet standards of satisfactory academic progress. Only extraordinary circumstances will be considered, such as death or illness in the immediate family. Before an appeal may be granted, a written academic plan must be provided to the student which clearly identifies a viable plan for the student to complete the program within the maximum time frame allowed.

The School Director will assess all appeals, and determines whether the student may be permitted to continue in school or a probation status, despite not meeting the satisfactory progress requirements. The student will be sent the written decision within ten days of Fred's Appliance Academy's receipt of the appeal. The decision of the School Director is final.

Students reinstated upon appeal are on a probationary status for the next evaluation period, during which time they must meet the terms and conditions set out in the School Director's letter granting the appeal. At the end of the evaluation period, and at every evaluation period thereafter, the student's academic status will be reviewed. The student may continue on probation as long as he or she meets the terms of the academic plan approved at the time the student's appeal was granted, until such time as satisfactory academic progress is regained. The student regains satisfactory progress status by meeting the minimum SAP standards.

## Alumni

Fred's Appliance Academy is proud of our graduates, and we would like to hear from our alumni.

Let us know where you are now and what you are doing by joining Fred's Appliance Academy's Alumni.

This is a great way to keep in touch with former classmates and stay updated on the Academy's current and future activities. It's also a great way to get technical advice from prior students and the instructors

Please join us at Facebook - Fred's Appliance Academy Alumni

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#### **Instructor – Fred Butcher**

President /Owner of Fred's Appliance Academy.  
President/Owner of Fred's Appliance – service department.  
Previously taught an appliance repair course at Lakeland Community College. Fred has been teaching at the Academy since 2008.

#### **Instructor – Benjamin Butcher**

Ben has been working in the field of appliance repair for almost ten years, and has received the Universal Certification from NASTeC - he has been with the Academy for three years. Ben splits his time between being an instructor and helping the technicians out on the road.

#### **Instructor – Timothy Gleba**

Tim has worked in our service department for several years now. When not teaching, Tim still completes calls on the road and helps out our other technicians on problem calls.

#### **Director – Adam Butcher**

Vice President of Fred's Appliance – service department. Adam has overseen Fred's Appliance Academy operations since 2008. Adam's passion for the business keeps us on our toes as he encourages thinking outside the box and welcomes change.

#### **Director of Student Services and Affairs – Jamie Lovejoy**

AA Early Childhood Development – minored in Human Resources Management. Jamie oversees the day-to-day operations at the Academy and has been with us for six years.

