

APPLI-046	Principles and Repair of Microwave Ovens	.5
ACREF-045	Basic Heating & Cooling Technology	2
TOTAL UNITS FOR THIS CERTIFICATE		18.5

Program Student Learning Outcomes

1. Demonstrate problem solving techniques used in troubleshooting appliances and make an estimate of what will have to be done to complete the repair.
2. Use written or oral service directions used in the appliance field to locate service information, demonstrate mechanical knowledge by diagnosing the failure and replacing the proper component.

Certificate of Achievement in Appliance Technician II
(primarily a day program)

Job Opportunities

The program in Appliance Service Technology offers instruction for two career options. The Appliance Technician I option prepares students for entry-level positions as appliance installers or shop technician trainees.

REQUIRED COURSES:		UNITS
APPLI-015	Electrical Appliances I	4
APPLI-016	Electrical Appliances II	4
APPLI-020	Electrical Appliance Shop Practice	5
APPLI-025	Refrigeration I	4
APPLI-026	Refrigeration II	4
APPLI-030	Refrigeration Shop Practice	5
APPLI-035	Appliance Shop Practice-Intermediate	5
APPLI-036	Appliance Shop Practice-Advanced	5
TOTAL UNITS FOR THIS CERTIFICATE		36

With the approval of an Appliance Technology instructor, APPLI-170 can be used to satisfy the requirements of some appliance repair courses for the Appliance Technician II option.

Program Student Learning Outcomes

1. Use written or oral service directions used in the appliance field to locate service information, demonstrate mechanical knowledge by diagnosing the failure and replacing the proper component.
2. Demonstrate the skills and knowledge necessary to take and pass the federal EPA exam required for employment in the Appliance field.
3. Demonstrate skills needed for entry level employment in the appliance field by passing an industry employment test (Certified Appliance Professional) and obtaining a job in that field.

COLLEGE SKILLS CERTIFICATES

APPLIANCE SERVICE TECHNOLOGY

Heating, Ventilation & Air Conditioning Specialist

Job Opportunities

The program in Appliance Service Technology offers instruction for two career options. The Appliance Technician I option prepares students for entry-level positions as appliance installers or shop technician trainees.

ONE OF THE FOLLOWING:		UNITS
APPLI-023	Basic Refrigeration Tech 1	3
APPLI-024	Advanced Refrigeration Tech I	3
APPLI-025	Refrigeration I	4
APPLI-026	Advanced Refrigeration II	4

AND ALL OF THE FOLLOWING:		UNITS
ACREF-045	Basic Heating and Cooling Technology	2
ACREF-073	Commercial Refrigeration Technology	2
ACREF-075	HVAC Technician H1A Heating Technology	2
ACREF-076	HVAC Residential and Small Commercial Air Conditioning Tech	2
ACREF-077	Air Distribution (Duct) Testing and Repair	2
ACREF-078	HVAC Load Calculation and Duct Design	1.5

TOTAL UNITS REQUIRED FOR COLLEGE SKILLS CERTIFICATE 14.5-15.5

Program Student Learning Outcomes

1. Demonstrate the skills and knowledge necessary to take and pass the federal EPA exam required for employment in the Appliance field.
2. Demonstrate problem solving techniques used in troubleshooting appliances and make an estimate of what will have to be done to complete the repair.

Electrical Appliance Technician

ONE OF THE FOLLOWING:		UNITS
APPLI-013	Beginning Electrical Appliances Tech I	3
APPLI-015	Electrical Appliances I	4
APPLI-014	Advanced Electrical Appliances Tech I	3
APPLI-016	Advanced Electrical Appliances II	4

AND ONE OF THE FOLLOWING:		UNITS
APPLI-020	Electrical Appliance Shop Practice	5
APPLI-021	Electrical Appliance Lab: Tech I	1

TOTAL UNITS REQUIRED FOR COLLEGE SKILLS CERTIFICATE 14-19

Program Student Learning Outcomes

1. Use written or oral service directions used in the appliance field to locate service information, demonstrate mechanical knowledge by diagnosing the failure and replacing the proper component.