

AIR COND & REFRIGERATION TECH (601)

601-110 Air Conditioning Fundamentals

Credits: 3

Air Conditioning Fundamentals is a course designed to teach the principles of operation of commercial and residential air conditioning systems as encountered in the HVAC/R servicing and installation business. This course is almost entirely theory with some laboratory covering the use of measuring instruments during operation of HVAC/R systems. All aspects of safety will be emphasized and reviewed throughout the course.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-111 Print Reading and Code

Credits: 2

HVAC print reading is analyzed in relation to each of the curriculum's systems: heating, ventilation, air conditioning, and refrigeration. The students will be able to understand, recognize and apply symbols and specifications pertaining to each system as they are explained so that they can be followed in the system's installation and repair. Overview of National Codes and Standards will be discussed and reviewed.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-112 ACR Piping Practices

Credits: 2

Students will examine and use the fundamental tools, equipment, and procedures used in pipefitting in this course. Matching system components and making proper connections are studied, planned, and practiced. Applications to domestic water distribution and hot water production will be reviewed. The student will also be introduced to duct work fabrication.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-121)

Complete Course Listing

601-113 Refrigerant Recovery, Evacuation and Charging Methods

Credits: 2

Students in this course will define, explain and analyze refrigerant recovery, recycle, and reclaim operations. Students will gain hands-on experience and practice in the installation, service, and repair of all HVAC and refrigeration systems as it pertains to EPA industry guidelines for recovery, recycle and reclaim operations.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-114 Industrial Comp Exam Review

Credits: 1

This course will be a comprehensive review of all applications and experiences from HVAC two year program at BTC. Students will engage in discussion and take practice exams that will enable them to hone their skills and knowledge in preparation for the Industrial HVAC Comprehensive Licensing Exam.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-115 Electrical Fundamentals

Credits: 3

A sound electrical background is essential in order to become a successful HVAC/R technician. Electrical Fundamentals provides experience with electrical theories, circuits, devices, and equipment. This is a combination lecture/lab course involving hands on experience with HVAC/R electrical components. There will also be an introduction to electrical diagram reading and drawing along with computer-aided tutorials. Electrical safety will be thoroughly discussed and reviewed during the course.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-116 Air Conditioning Fundamentals for HVAC/R

Credits: 1

Air Conditioning Fundamentals for HVAC/R 1 examines the theory and understanding needed for Air Conditioning safety, HVAC terminology and math principles encountered in the HVAC/R industry.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-117 Air Conditioning Fundamentals HVAC/R 2

Credits: 1

Air Conditioning Fundamentals for HVAC/R 2 examines the fundamentals of thermodynamics as to relates to the HVAC/R industry.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-118 Air Conditioning Fundamentals HVAC/R 3

Credits: 1

In this course, the student analyzes the air distribution of commercial and residential air conditioning systems as encountered in the HVAC/R servicing and installation business. Duct fabrication is also introduced and practiced.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-117)

Complete Course Listing

601-121 Electrical Fundamentals for HVAC/R 1

Credits: 1

Electrical Fundamentals for HVAC/R 1 examines electrical safety in HVAC/R, analyzes atomic structure and introduces electrical quantities. In addition, Ohm's Law formulas are introduced and utilized in lab activities that examine a simple series circuit. Electrical diagram reading and drawing will be integrated into the lab activities. This is a combination lecture/lab course involving hands on experience with basic electrical circuits.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-122 Electrical Fundamentals for HVAC/R 2

Credits: 1

Electrical Fundamentals for HVAC/R 2 examines Ohm's Law as it relates to series circuits, parallel circuits and combination circuits. Electrical diagram reading and drawing will be integrated into the lab activities. This is a combination lecture/lab course involving hands on experience with series, parallel and combination circuits.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-121)

Complete Course Listing

601-123 Electrical Fundamentals for HVAC/R 3

Credits: 1

Electrical Fundamentals for HVAC/R 3 examines electrical service, voltage systems and wire sizing. The effects of inductance and capacitance on an electric circuit will also be analyzed. In addition, electrical symbols and diagrams utilized in the HVAC/R industry will be analyzed through hands-on lab experiences.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-122)

Complete Course Listing

601-125 Computerized (HVAC/R) Design

Credits: 3

In this course, instruction will be given in blueprint reading and drawing of mechanical systems. Outlays of various heating and cooling systems in relation to architectural buildings are used. Proper mechanical schematic, isometric piping and flow diagrams are discussed and drawn. In addition, computer software is utilized to calculate heat loss and heat gains on residential and commercial buildings.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-126

Credits: 2

This course will study the function and operation of the basic components in the refrigeration cycle along with learning the use of service tools the HVAC/R technician will utilize on the job. Refrigeration Fundamentals is a combination lecture/lab course in which the students will be able to apply theory to the lab using actual HVAC/R equipment. Computer simulators will be introduced as teaching aids. On the job and lab safety will be emphasized.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-127

Credits: 2

In this course, instruction will be given in blueprint reading and drawing of mechanical systems. Outlays of various heating and cooling systems in relation to architectural buildings are used. Proper mechanical schematic, isometric piping and flow diagrams are discussed and drawn. In addition, computer software is utilized to calculate heat loss and heat gains on residential and commercial buildings.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-128 Print Reading and Code 1

Credits: 1

This course will examines print reading in relation to building codes and standards relevant to the installation and service of residential and light commercial HVAC systems.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-129 Print Reading and Code 2

Credits: 1

This course continues to analyze the codes from prints, taking into consideration specific and unique building codes and standards relevant to the installation and service of residential and light commercial HVAC Systems.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-128)

Complete Course Listing

601-130 Heating Systems

Credits: 3

This course involves instruction and laboratory work on hydronic and steam systems. Students will be able to design, install, start-up and service gas and oil fired systems. This course is a combination of classroom presentation and lab.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-131 Refrigeration Fundamentals 1

Credits: 1

In this course, students will engage in accessing to the sealed system. Students will develop an understanding of the system compressors and condensers through observation and analysis of the sealed system.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-118)

Complete Course Listing

601-132 Refrigeration Fundamentals 2

Credits: 1

In this course, students will examine the tools of the trade along with how to gain access to the sealed system. Students analyze system metering devices and evaporators.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-131)

Complete Course Listing

601-133 Computerized HVAC/R Design 1**Credits:** 1

In this course the learner will examine the fundamentals of heat transfer through different types of construction materials. Students will perform residential load calculations using ACCA Manual J8ae and computerized ACCA load calculation spread sheets. In addition, students will use ACCA Manual D for duct sizing.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-134 Computerized HVAC/R Design 2**Credits:** 1

In this course the learner will be using Wrightsoft to perform residential and commercial load calculations and duct sizing. In addition, RESCheck will be analyzed and applied to check structures code conformity for heat loss. The student will develop an understanding of energy conservation through the appropriate analysis and application of size and selection of HVAC equipment.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-133)

Complete Course Listing

601-135 Motors and Motor Controls**Credits:** 3

This course is designed to give the student an understanding of the operation of various types of control devices and how combinations of these devices can be applied and varied to secure the desired conditions in heating and cooling systems. Students will interpret and draw in depth wiring diagrams using actual HVAC/R equipment. Computers will also be utilized in the studying of wiring diagrams. This course is mostly application oriented, with a review of electrical theory and safety.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-123)

Complete Course Listing

601-136 Motors and Motor Controls 1**Credits:** 1

This course is designed to examine motor identification, motor troubleshooting procedures and fan motor replacement. This course also reviews the basics of electrical theory and safety.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-123)

Complete Course Listing

601-137 Motors and Motor Controls 2**Credits:** 1

This course examines how to wire and troubleshoot single phase motor starting components. In addition, students test the operation of ECM motors.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-136)

Complete Course Listing

601-138 Motors and Motor Controls 3**Credits:** 1

This course will introduce students to transformers, contactors, relays and motor starters. Students will gain hands-on experience through the application and analysis of wired lab boards and testing on HVAC/R equipment.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-137)

Complete Course Listing

601-140 Control Circuit Applications**Credits:** 3

This course is designed to teach systems application of electrical controls in the HVAC/R field. Control Circuit Applications will continue to emphasize the understanding of wiring diagrams along with troubleshooting controls, mechanical and electro-mechanical controls, electronic control circuits, and HVAC/R control applications. This course is a combination of lab and theory.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-135)

Complete Course Listing

601-141 Heating Systems 1**Credits:** 1

Heating Systems 1 will examine the principles of natural gas heat as applied to residential heating systems. In addition, the student will apply proper gas piping techniques and will gas pipe a residential furnace. Testing/adjusting gas pressure on gas regulators and gas valves will also be analyzed and completed.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-142 Heating Systems 2**Credits:** 1

Heating Systems 2 will study gas heating operating and safety controls. Testing of these controls on residential and light commercial heating systems will be practiced and applied.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-141)

Complete Course Listing

601-143 Heating Systems 3**Credits:** 1

Heating Systems 3 will examine residential clean/tunes and split system residential heat pumps with electric heat. Testing of these clean/tunes and pumps on residential electric heating systems will be practiced and applied.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-142)

Complete Course Listing

601-145 Heating Systems Applications

Credits: 3

Heating System Applications covers the operation, maintenance and service of gas, propane and oil fired heating equipment. In addition, this class will also cover the operation and service procedure for heat pumps. This course is a balance of theory and application.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-130)

Complete Course Listing

601-146 ACR Piping Practices 1

Credits: 1

Students are introduced to tools that measure, cut and ream soft and hard drawn copper to specifications used in the field of copper piping. In addition, The student will swage and flare soft and hard drawn copper. Students will understand and demonstrate safe copper piping skills utilized in the industry.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-147 ACR Piping Practices 2

Credits: 1

Students demonstrate how to braze and solder copper pipe in multiple applications. An emphasis on safety regulations and practices will be introduced and practiced throughout the demonstrations.

Aid Code: 10 - Associate Degree.

Complete Course Listing

601-148 Refrigeration Recovery, Evacuation and Charging Methods 1

Credits: 1

This course has student recover refrigerant from various types of air conditioning and refrigeration equipment. The student will apply evacuation methods on the system and charge the system with the correct amount of refrigerant. Refrigerant handling safety will be introduced and practiced.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-118)

Complete Course Listing

601-149 Refrigeration Recovery, Evacuation and Charging Methods 2

Credits: 1

This course has student continues to have the student practice and apply proper techniques to recover and evacuate refrigerant from various types of air conditioning and refrigeration equipment. After the student has mastered the skills of recovery, evacuation and charging, the student will gain experience in administering the EPA Section 608 test.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-148)

Complete Course Listing

601-150 Air Conditioning Applications

Credits: 3

This course includes the installation and service of air conditioning systems, including types of fan systems, duct service techniques, load calculating and estimating and air and fluid measurements. This course is a combination of classroom presentation and lab.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-110)

Complete Course Listing

601-151 Air Conditioning Applications 1

Credits: 1

This course provides the student with hands-on servicing experience of window air conditioners, residential split systems, packaged light commercial air conditioners.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-132) and (601-138)

Complete Course Listing

601-152 Air Conditioning Applications 2

Credits: 1

This course provides students with hands-on servicing experience of air-to-air heat pumps, geothermal heat pumps and water cooled unitary cooling systems.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-132) and (601-138) and (601-151)

Complete Course Listing

601-153 Air Conditioning Applications 3

Credits: 1

This course provides students with hands-on servicing experience on high efficiency packaged commercial air conditioners, commercial split systems and water to air commercial chiller systems.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-132) and (601-138) and (601-152)

Complete Course Listing

601-155 Refrigeration Applications

Credits: 3

This course involves servicing of commercial refrigeration systems using meters and service tools. Studies and calculations are made of commercial refrigeration systems, along with the design and selection of equipment. Refrigeration Applications is primarily hands on with some theory.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-120 or 601-126)

Complete Course Listing

601-156 Control Circuit Applications 1

Credits: 1

In this course, students examine systems application of electrical controls in the HVAC/R field. Control Circuit Students understand wiring diagrams by creating and wiring systems utilizing ladder diagrams. Students will test Electromechanical and electronic circuits on equipment used in the field.

Aid Code: 10 - Associate Degree.

Pre-requisites: (601-137)

Complete Course Listing

601-157 Control Circuit Applications 2**Credits:** 1

This course is designed to examine systems application of electrical controls in the HVAC/R field. Students analyze wiring diagrams as well as create and wire systems utilizing ladder diagrams. Students will also test pump down controls on Lab boards and equipment.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-156)

Complete Course Listing

601-158 Control Circuit Applications 3**Credits:** 1

This course extends the examination of systems application of electrical controls in the HVAC/R field. Students continue to analyze more complex wiring diagrams as well as create and wire systems utilizing ladder diagrams. Students test pump down controls on Lab boards and equipment.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-157)

Complete Course Listing

601-160 Hydronic Systems**Credits:** 3

This course involves instruction and laboratory work on hydronic and steam systems. Students will be able to design, install, start-up and service gas and oil fired systems. This course is a combination of classroom presentation and lab.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-130)

Complete Course Listing

601-161**Credits:** 1

Students in this course will examine and apply the four basic refrigeration components. Through hands-on activities in a simulated lab setting, students will be able to determine the four basic refrigeration components and troubleshoot appropriately.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-132) and (601-138)

Complete Course Listing

601-162 Refrigeration Applications 2**Credits:** 1

Students in this course will test the operation of reach-in freezers and walk-in freezers. Through hands-on lab activities, students will review the refrigeration fundamentals and apply these to fix and troubleshoot operation of varying units.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-132) and (601-138) and (601-161)

Complete Course Listing

601-163 Refrigeration Applications 3**Credits:** 1

Students in this course will test the operation of cube and flake ice machines. Through hands-on lab activities, students will review the refrigeration fundamentals and apply these to fix and troubleshoot operation of varying units.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-132) and (601-138) and (601-162)

Complete Course Listing

601-165 Electronic Energy Management Systems**Credits:** 3

Major types of automatic electrical control systems are described and compared. Programs, sensing and control points, signal transmission and processing, and other peripheral equipment which make up a complete building monitoring and control automation system are also explored. Students will be able to utilize computer controls either on the HVAC/R equipment or at a computer station to evaluate equipment operation. This course is a mixture of lecture along with some lab work.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-140) and (804-308 or 804-114)

Complete Course Listing

601-166 Electronic Energy Management Systems 1**Credits:** 1

Students in this course analyze the advance control circuit applications applied to residential split systems, package gas/electric systems and refrigerated fixtures with remote condensing units. In addition, students will test and analyze results of a wireless energy management system which controls the operation of the geothermal heat pumps.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-158)

Complete Course Listing

601-167 Electronic Energy Management Systems 2**Credits:** 1

Students in this course will test the operation of Trane Precedent and Voyager Constant Volume RTUs through the Trane SC energy management system. In addition, the Lennox Prodigy system will be tested and results analyzed on a RTU.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-158) and (601-166)

Complete Course Listing

601-168 Electronic Energy Management Systems 3**Credits:** 1

Students in this course will test Trane SC control of a commercial air handler with a DX split system and an in-line duct furnace supplying air to zoned re-heat boxes. In addition, a commercial air handler with a chiller and chilled water coil, a hydronic boiler and hot water coil hot with zoned water re-heat coils will be tested with results analyzed. An E2 system controlling a reach-in frozen food case will be programmed and tested for adequate results. Students will also install a Com-trol energy management system and program the controls for walk-in freezer.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-158) and (601-167)

Complete Course Listing

601-170 Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) Service Internship
Credits: 3

Students will have the opportunity to apply their classroom experience on the job. Local HVAC/R contractors have shown great interest in the program and are willing to accept students for internship. Internship time can be accrued throughout the two-year program to achieve a total of 108 hours.

Aid Code: 10 - Associate Degree.
 Complete Course Listing

601-171 HVAC Installation 1
Credits: 1

This course involves the student by having them install black gas pipe and ACR piping on a split residential system. The student perform basic residential load calculation and duct sizing using industry standard software. The student will use information gathered to select the correct HVAC system for the application. The student will install a gas fired furnace along with a condensing unit, evaporator, gas piping and refrigeration piping.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-141) and (601-147) and (601-156)
 Complete Course Listing

601-172 HVAC Installation 2
Credits: 1

Students in this course will be involved in the fabrication and installation of duct work on a residential furnace. In addition, a zoning control system will be installed by students and start up tests will be performed per manufacturers' instruction.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-141) and (601-147) and (601-156) and (601-171)
 Complete Course Listing

601-173 HVAC Installation 3
Credits: 1

Students in this course will be involved in piping, wiring and starting-up of a refrigeration pump down system. The system tests will be performed and checked by students using industry standards.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-172) and (601-157) and (601-147) and (601-141)
 Complete Course Listing

601-175 Servicing, Troubleshooting Heating, Ventilation, Air Conditioning and Refrigeration Equipment
Credits: 3

Various methods of troubleshooting and servicing of HVAC/R systems are studied. Utilizing manufacturer's guidelines and service tools, the student will demonstrate customer relations, mechanical aptitude and bookkeeping skills that are essential to becoming a well rounded service technician. The students will also perform computer simulated service calls to reinforce knowledge. This class is almost entirely hands on.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-140) and (601-150) and (601-155)
 Complete Course Listing

601-176 Heating Systems Applications 1
Credits: 1

In this course, students work on residential oil furnaces, residential heat pumps, light commercial packaged roof top units, commercial in-line duct furnaces, and hanging unit heaters. Students will be introduced to the various components that make up these systems and will be able to troubleshoot, maintain and service this equipment per manufacturers instructions.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-143)
 Complete Course Listing

601-177 Heating Systems Applications 2
Credits: 1

Students engage in work on light commercial packaged roof top units. Students will be introduced to the various components that make up these systems and will engage in troubleshooting, maintaining and servicing this equipment per manufacturers instructions.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-143) and (601-176)
 Complete Course Listing

601-178 Heating Systems Applications 3
Credits: 1

In this course, students work on in-line duct furnaces, commercial hydronic systems and hanging unit heaters. Students will be introduced to the various components that make up these systems and will engage in troubleshooting, maintaining and servicing this equipment per manufacturers instructions.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-143) and (601-175)
 Complete Course Listing

601-180 Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) Installation
Credits: 3

This course involves installing, starting up and maintaining a gas fired furnace with a central air conditioning system. The learner will begin by performing a residential load calculation and duct sizing using industry standard software. The information gathered from the load sizing software will then be used to select the correct HVAC system for the application. The student will then install the gas fired furnace along with the condensing unit, evaporator, ductwork, gas piping, refrigeration piping and control system. This course is almost entirely hands-on.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-120 or 601-126) and (601-130)
 Complete Course Listing

601-181 Hydronic Systems 1
Credits: 1

This course involves students in the theory and application of hydronic and steam systems. Students will be design, install, start-up and service gas systems.

Aid Code: 10 - Associate Degree.
Pre-requisites: (601-143) and (601-146)
 Complete Course Listing

601-182**Credits:** 1

In this course, students engage in system installation on hydronic and steam systems. Students prepare and install the systems they designed in the previous Hydronic Systems course.

Aid Code: 32 - Two-year Technical Diploma.

Complete Course Listing

601-183 Hydronic Systems 3**Credits:** 1

In this course, students engage in system control design on hydronic and steam systems. Students wire control circuits and performing system start-up.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-182) and (601-143) and (601-146)

Complete Course Listing

601-184 Service and Troubleshooting HVAC/R 1**Credits:** 1

Students will apply various methods of troubleshooting and servicing of HVAC/R systems. Utilizing manufacturer's guidelines and service tools, the student will demonstrate customer relations, mechanical aptitude and bookkeeping skills that are essential to becoming a well rounded service technician.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-143) and (601-153) and (601-158) and (601-163)

Complete Course Listing

601-185 Service and Troubleshooting HVAC/R 2**Credits:** 1

This course is a continuation of Service and Troubleshooting HVAC/R 1. Students will continue to apply various methods of troubleshooting and servicing of HVAC/R systems. Utilizing manufacturer's guidelines and service tools, the student navigate customer relations, display mechanical aptitude and demonstrate bookkeeping skills that are essential to becoming a well rounded service technician.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-143) and (601-153) and (601-158) and (601-163) and (601-184)

Complete Course Listing

601-186 Service and Troubleshooting HVAC/R 3**Credits:** 1

This course is a continuation of Service and Troubleshooting HVAC/R 2. Students will continue to analyze and troubleshoot issues while servicing HVAC/R systems. Utilizing manufacturer's guidelines and service tools, the student navigate customer relations, display mechanical aptitude and demonstrate bookkeeping skills that are essential to becoming a well rounded service technician.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-143) and (601-153) and (601-158) and (601-163) and (601-185)

Complete Course Listing

601-187 Industrial Competency Exam Preparation**Credits:** 1

Students engage in a comprehensive review of all applications and experiences from program courses. Students will engage in discussion and take practice exams that will enable them to hone their skills and knowledge in preparation for the Industrial HVAC Comprehensive Licensing Exam.

Aid Code: 10 - Associate Degree.**Pre-requisites:** (601-143) and (601-153) and (601-158) and (601-163)

Complete Course Listing