HEATING, VENTILATION AND AIR CONDITIONING (HVAC)

lvyTech.edu/hvac



NVFRVIFW

The HVAC program prepares students to gain knowledge and skills that will lead to gainful employment, advancement or to continue their education in the HVAC field. To accomplish the programs primary purpose, students are provided with practical experience and general theory of both commercial and residential heating, ventilation, air conditioning and refrigeration applications. The program is structured to develop the technical skills, general knowledge, and troubleshooting skills of graduates. Broad-based technical skills and critical thinking processes assist the student in adapting to changes in the ever growing and broadening field of Heating, Ventilation, Air Conditioning and Refrigeration. Additionally the program prepares graduates to transfer into baccalaureate degree granting institutions.

TWO-YEAR PROGRAM OPTIONS

ASSOCIATE OF APPLIED SCIENCE

(60 credit hours)

The HVAC Program prepares students for employment in a variety of commercial and residential areas. Professional/technical courses equip students with the skills to obtain employment and to advance in the workforce. The United Association of Plumbers, Pipefitters and Steam Fitters Local 157 now promote an AAS degree in HVAC for any new HVAC Technicians entering their apprenticeship. Many employers promote employees to achieve an AAS degree by offering incentive pay raises ... "Pay for Knowledge." The general education courses equip students with the problem solving, communications, scientific and mathematical skills to compete successfully in the job market. Professional/technical courses equip students with the skills to obtain employment and to advance in the workforce.

Average Hourly Wages: (\$15 to \$37)

ONE-YEAR PROGRAM OPTIONS

CERTIFICATES OFFERED

HVAC TECHNICAL CERTIFICATE (TC)

(31 Credit Hours)

Students obtaining a Technical Certificate are prepared to become HVAC Residential Technicians, Commercial Refrigeration Technician, Nursing Home Maintenance, Housing Complex Maintenance, schools, Hospitals and HVAC Supply Companies.

Average Hourly Wage (\$15 to \$23)

FOR MORE INFORMATION:

Coy A. Riley

Program Chair Office: 765-269-5233 criley56@ivytech.edu

EMPLOYMENT:

- Plumbing and Heating contractors
- Commercial Refrigeration Contractors
- Manufacturers
- Housing Complexes
- Building Facility Maintenance-Hospitals and Schools
- PipeFitter & Plumbers Local Union 157
- Anderson Plumbing & Heating
- Lafayette Heating & Cooling
- ARS
- Caterpillar
- IU Health & St. Elizabeth

\$15-37

/hour median salary in Indiana

EARN MORE AND IMRPOVE YOUR SKILLS

If you want a good-paying job, you need to invest in your education. With an associate degree from Ivy Tech Community College, you'll earn an average \$8,000 more each year than you would with just a high school diploma. Over the course of your career, this has a tremendous impact on your earning power-a difference of up to \$400,000. As a result, you'll have the chance to explore opportunities that are well worth the time you'll spend in class. Get started today. Call 888-IVY-LINE (888-489-5463 or visit IvyTech.edu/new-students.





IF YOU'VE GOT QUESTIONS, WE'VE GOT ANSWERS. FOR MORE INFORMATION:



Ivy Tech Community College-Lafayette

HVAC

2018-2019

THE FOLLOWING SUGGESTED SEQUENCE INCLUDES ALL COURSE REQUIREMENTS FOR THIS DEGREE. YOU MUST CONSULT WITH AN ACADEMIC ADVISOR TO DETERMINE WHICH ELECTIVES BEST MEET YOUR CAREER GOALS.

CERTIFICATE PROFESSIONAL/TECHNICAL

Course #	Title	Credit Hours
HVAC 100	Introduction to HVAC	3
HVAC 101	Heating Fundamentals	3
HVAC 103	Refrigeration I	3
HVAC 202	Electrical Circuits and Co	ntrols 3
HVAC 208	Heating Service	3
HVAC 211	Refrigeration II	3
Choose ONE of the following:		
BCTI 130	Introduction to Electrical	3-4
INDT 113	Basic Electricity	3-4

Total Credit Hours: 21

TECHNICAL CERTIFICATE

Semester 1

Jennester i			
Course #	Title	Credit Hou	rs
HVAC 100	Introduction to HVAC		3
HVAC 101	Heating Fundamentals	3	3
HVAC 103	Refrigeration I		3
IVYT 113	Student Success in Tec	chnology	1
Choose ONE of the foll	owing:		
BCTI 130	Introduction to Electric	cal 3	-4
INDT 113	Basic Electricity	3.	-4
Semester 2			
HVAC 202	Electrical Circuits and	Controls	3
HVAC 208	Heating Service		3 3 3
HVAC 211	Refrigeration II		3
MATH 122	Applied Technical Mat	hematics	3
Semester 3			
COMM 104	Workplace Communic	ation	3
Choose ONE of the foll	owing:		
HVAC 107	Duct Fabrication and I	nstallation	3
HVAC 205	Heat Pump Systems		3

Total Credit Hours: 31

ASSOCIATE OF APPLIED SCIENCE

AFTER COMPLETING TECHNICAL CERTIFICATE

Semester 3 or 4

Course #	Title Credit Ho	Credit Hours	
ENGL 111	English Composition	3	
XXXX XXXX	Heating, Ventilation & Air Condit. Elective	3	
XXXX XXX	Heating, Ventilation & Air Condit. Elective	3	
XXXX XXX	Heating, Ventilation & Air Condit. Elective	3	
XXXX XXX	Heating, Ventilation & Air Condit. Elective	3	

Semester 4 or 5

Selliestel 4 Ol	3	
^HVAC 279	Green Awareness (Capstone)	1
XXXX XXXX	HUM/Social & Behavorial Sciences Elect.	3
XXXX XXX	Heating, Ventilation & Air Condit. Elective	3
XXXX XXX	Heating, Ventilation & Air Condit. Elective	3
Choose ONE o	f the following:	
SCIN 101	Science of Traditional & Alt. Energy	4
PHYS 100	Introduction to Physics	4

Total Credit Hours: 60

Ready to get started?

APPLY NOW FOR FREE

at IvyTech.edu/applynow

