

PA Bureau of Career and Technical Education Program Of Study

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If the following Program of Study is taken

Heating, Air Conditioning, Ventilation And Refrigeration Maintenance

Technology/Technician 47.0201

High School Graduation Year: 2024

A program that prepares individuals to apply technical knowledge and skills to repair, install, service and maintain the operating condition of heating, air conditioning, and refrigeration systems. Includes instruction in diagnostic techniques, the use of testing equipment and the principles of mechanics, electricity, and electronics as they relate to the repair of heating, air conditioning and refrigeration systems.

POS Paperwork: [POS student documentation coversheet.pdf](#)

You may receive credit for

Community College of Allegheny County

[HAC 201 - Heating Systems](#)

5.00

[HAC 101 - Basic Electrical Wiring](#)

5.00

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Total Credits Awarded: 10.00

Notes: This articulation agreement links POS 19E Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician 47.0201 (HS Graduation Years 2022, 2023, 2024) to CCAC programs 312 Heating & Air Conditioning, Certificate (CIP 47.0201) and...

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Delaware County Community College

[HVA 106 - Basic Piping for Contractors](#)

2.00

[HVA 203 - Heat Pumps](#)

3.00

[HVA 100 - Introduction to Heating, Ventilating, Air Conditioning and Refrigeration Electrical Fabrication](#)

2.00

[HVA 101 - Introduction to Refrigeration and Air Conditioning](#)

2.00

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Total Credits Awarded: 9.00

Notes: Nine (9) credits are aligned to the following Delaware County Community College POS: CIP 47.0201 Heating, Ventilation, Air Conditioning, Refrigeration Certificate of Competence and CIP 47.9999, Skilled Trades, Associates in Applied Science (A.A.S.) Degree.

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Greater Altoona Career and Technology Center

[HC 6 - Print Reading](#)

2.00

[HC 1-1 - Electricity Theory & HVAC Concepts](#)

7.00

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Total Credits Awarded: 9.00

Notes: Nine (9) credits are aligned to the following POS: CIP 47.0201 HVAC WITH RELATED PLUMBING & ELECTRICAL DIPLOMA PROGRAM

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Johnson College

[BTT 104 - Introduction to Pipefitting Lab](#)

2.00

[BTT 103 - Introduction to Pipefitting](#)

1.00

[BTT 149 - Construction Safety](#)

1.00

[ART 110 - Contract Drawings](#)

3.00

[BTT 151 - Fundamental of Electricity](#)

2.00

[BTT 152 - Fundamental of Electricity Lab](#)

1.00

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Total Credits Awarded: 10.00

Notes: Ten (10) credits align to Johnson College's CIP 47.0201 - Heating, Ventilation & Air Conditioning Technology, AAS degree program.

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Luzerne County Community College

[PLH 108 - Blueprint Reading and Estimating](#)

3.00

[HAC 101 - Basic Heating & Cooling Technology](#)

4.00

[PLH 112 - Basic Plumbing Systems](#)

4.00

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Total Credits Awarded: 11.00

Notes: Eleven (11) credits are aligned to the following Luzerne County Community College POS: CIP 47.0201 Plumbing, Heating, & Air Conditioning Technology, Associate in Applied Science (A.A.S.) Degree

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Northampton County Area Community College

HVAC 101 - Fundamentals of HVAC/Refrigeration I

4.00

ELTC 101 - Electrical Fundamentals

3.00

EMEC 114 - Mechanical Skills for the Trades

2.00

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Total Credits Awarded: 9.00

Notes: Nine (9) credits align to CIP 47.0201 HVAC/R, A.A.S. Associate Applied Science Degree.

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Rosedale Technical College

HD 101 - Refrigeration Principles

4.50

HD 104 - Electricity

2.50

HD 205 - Thermodynamics & Design

2.50

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Total Credits Awarded: 9.50

Notes: Nine and a half (9.5) credits are aligned to the following Rosedale Technical College POS: CIP 47.0201 HVAC Technology. Associate in Applied Specialized Technology (A.S.T.) Degree.

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Thaddeus Stevens College of Technology

HVAC 142 - Installation Procedures

1.50

HVAC 146 - Lab Practice II: Installation Procedures

2.00

HVAC 150 - Principles of Refrigeration

3.00

HVAC 122 - OSHA Electrical and Construction

1.50

HVAC 130 - Electrical Components for HVAC/R

1.00

HVAC 126 - Electrical Fundamentals for HVAC/R

1.00

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Total Credits Awarded: 10.00

Notes: Ten (10) credits are aligned to the following Thaddeus Stevens College of Technology POS: CIP 47.0201 Heating, Ventilation, & Air Conditioning/Refrigeration, Associate in Applied Science Degree (A.A.S.).

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Westmoreland County Community College

HAC 101 - INTRODUCTION TO REFREIGERATION/AIR CONDITIONING

4.00

HAC 250 - GAS AND OIL HEATING TECHNOLOG

4.00

HAC 170 - HEATING, AIR CONDITIONING, AND REFRIGERATION CONTROL SYSTEMS

2.00

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Total Credits Awarded: 10.00

Notes: Ten (10) credits are aligned to Westmoreland County Community College Programs of Study CIP 47.0201 Heating, Ventilation, Air Conditioning and Refrigeration, Associate of Applied Science (AAS) Degree Program and CIP 47.0201 Heating, Ventilation, Air Conditioning and Refrigeration, Diploma Program.

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