



**Northwest Technical College**

# **RESIDENTIAL PLUMBING/HVAC**

## **Two Trades in One Program**

**OVERALL  
PLACEMENT RATE:  
100%**

**STARTING PAY:  
\$35,000  
per year**

**Projected job growth  
through 2024:**

Northwest Minnesota: **+5.6%**

Sources: Graduate Follow-up Survey and Minnesota Department of Employment and Economic Development



Program Name: **Residential Plumbing/HVAC**

Credential: **Diploma**

Credits: **60**

Length of Program: **4 semesters**



## REQUIRED COURSES:

BLDG 1102	Construction Safety	1
BLDG 1108	Metal Fabrication	2
BEST 1100	Basic Education & Skills Training	2
PLHE 1000	Introduction to Plumbing/HVAC	1
PLHE 1015	Plumbing Technical Drawing	3
PLHE 1055	Plumbing Code Interpretation	3
PLHE 1085	Piping System Fabrication I	3
PLHE 1091	Plumbing Design & Installation I	3
PLHE 1105	Plumbing Repair & Service Technology	3
PLHE 1145	Piping Systems Fabrication II	3
PLHE 1147	Plumbing Design & Installation II	3
PLHE 1193	Residential Plumbing Advanced Design	2
PLHE 2031	Fundamentals of Air Conditioning, Heat Pump & Refrigeration	2
PLHE 2045	IAQ Indoor Air Quality	1
PLHE 2060	ACCA System Load Calculations	2
PLHE 2065	Refrigeration License Exam Preparation	1
PLHE 2075	Forced Air Systems Theory	3
PLHE 2095	HVAC Design & Installation	3
PLHE 2135	HVAC Code Interpretation	2
PLHE 2140	Optimizing HVAC Control Systems	4
PLHE 2145	HVAC Sheeting/Duct Fabrication	2
PLHE 2151	Hydronic Design and Controls	3
PLHE 2160	Air Conditioning, Refrigeration & Heat Pump Controls	3
PLHE 2165	Thermal Solar Design Technology	3
PLHE 2195	HVAC Advanced Design	2

### More information

#### Admissions Office

(218) 333-6600 or (800) 942-8324

TTY: (800) 627-3529

[ntc.admissions@ntcmn.edu](mailto:ntc.admissions@ntcmn.edu)



### Northwest Technical College

**Right Career. Right Now.**

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