

Pipefitting DIPLOMA

Program Overview

Pipefitters install, maintain, and repair high and low pressure steam systems, high and low pressure hot water systems, snow melting systems, refrigeration systems, heating, gas and oil piping, pneumatic, electronic controls, air conditioning and also provide instrumentation and valve repair. These skills are used working in residential, commercial, and industrial installations. These systems are installed in all types of weather conditions.

Applicants must be high school graduates or the equivalent and should enjoy working in a demanding trade that requires both mental alertness and physical stamina. Pipefitters do heavy lifting and are required to work both indoors and outside, often times in confined spaces.

Career Opportunities

Pipefitters, Steamfitters, and HVACR Technicians work in all aspects of the heating, air conditioning, refrigeration, and temperature control fields. They are also employed at oil refineries, chemical plants, food processing facilities, manufacturing plants, retail and wholesale food stores, and ice rinks.

Maintenance pipefitters work in a variety of environments such as universities, schools, government agencies and utility companies.

Program Outcomes

1. Graduates will have the science and math skills needed in the piping systems.
2. Graduates will have the basic knowledge and skills necessary to install piping systems in commercial and industrial buildings.
3. Graduates will have basic knowledge to properly install and operate low and high pressure steam systems.

Program Faculty

Wyatt Carlson wyatt.carlson@saintpaul.edu
Greg French greg.french@saintpaul.edu

Restricted Enrollment

The Pipefitting Diploma is a restricted enrollment joint program offered through the St. Paul Pipefitters Local 455 and Saint Paul College. Admission to the Pipefitters Apprenticeship program is required for enrollment in this program. Contact Greg French at greg.french@saintpaul.edu for application information.

Student supplies and tools costs

Text rental \$100.00
PPE-Tools estimated at \$150.00

All classes must be completed with a grade of "C" or better.

Program Requirements

Check off when completed

Course	Cr
<input type="checkbox"/> PIPE 1410 Pipe Science/Math	5
<input type="checkbox"/> PIPE 1420 Pipe Blueprint Reading	3
<input type="checkbox"/> PIPE 1430 Pipe Welding 1	5
<input type="checkbox"/> PIPE 1441 Basic Heating 1	3
<input type="checkbox"/> PIPE 1442 Basic Heating 2	3
<input type="checkbox"/> PIPE 1451 Pipe Shop 1	4
<input type="checkbox"/> PIPE 1452 Pipe Shop 2	4
<input type="checkbox"/> PIPE 1522 Basic Air Conditioning and Refrigeration	2
<input type="checkbox"/> PIPE 1530 Pipe Welding 2	5
<input type="checkbox"/> PIPE 1540 Electric Controls	3
<input type="checkbox"/> PIPE 1550 Basic Gas	3

Total Program Credits40

Transfer Opportunities

Saint Paul College has a transfer articulation agreement between the following program and post-secondary institution for the baccalaureate degree program listed below.

For more information please go to www.saintpaul.edu/Transfer.

Pipefitting Diploma

BS Operations Management
Minnesota State University-Moorhead

Program Start Dates

Fall

Course Sequence

The following sequence is required. This program begins fall semester.

Fall Semester

PIPE 1410 Pipe Science/Math	5
PIPE 1420 Pipe Blueprint Reading	3
PIPE 1430 Pipe Welding 1	5
PIPE 1441 Basic Heating 1	3
PIPE 1451 Pipe Shop 1	4
Total Semester Credits	20

Spring Semester

PIPE 1442 Basic Heating 2	3
PIPE 1452 Pipe Shop 2	4
PIPE 1522 Basic Air Conditioning and Refrigeration	2
PIPE 1530 Pipe Welding 2	5
PIPE 1540 Electric Controls	3
PIPE 1550 Basic Gas	3
Total Semester Credits	20

Total Program Credits40

Minimum Program Entry Requirements

Students entering this program must meet the following minimum program entry requirements:

Reading Comprehension: Score of 85+

Arithmetic: Score of 72 or better

Spatial: 70% or better

Students must maintain a GPA of 2.5 to continue in the program.

Students are accepted through St. Paul Pipefitters Local 455 JAC; 651.846.1699 or www.local455jatc.com.

096D (7073)

*Information is subject to change.
This Program Requirements Guide is not a contract.*