

# SHEET METAL

Sheet metal workers mainly work in installing ductwork for heating, ventilation, air conditioning, and refrigeration (HVACR), but there are many other opportunities. Sheet metal craftsmen might install metal roofing and gutters, decorative “Architectural Metals,” install hoods and vents for restaurants or build grain silos for farmers. Some sheet metal workers specialize in fabricating ducts, hoods and gutters – others specialize in installation or service work. CITC’s four-year program is designed to prepare the trainee for a large range of possibilities, covering topics such as Fabrication & Installation of Various Types of Ductwork, Reading Blue Prints and Specifications and Advanced Architectural Sheet Metal.

Students will be required to have access to a computer or tablet device with a working camera and microphone. Additionally, all students will need to have access to a reliable internet source when classes begin in the fall. For additional information on the technical requirements for this program please contact the CITC office at (425) 454-2482.

**Note: It is crucial that students have required books prior to the first class meeting. A student who does not have books by the end of the second week may be dismissed from class and charged with an absence.**

**CITC strives to offer a variety of class schedules and locations for students to select from. To ensure your place in a class of your choice CITC encourages your registration as soon as registration opens. Registration is on a first come, first serve basis. If the class you have selected is full, you will be transferred into the next available class at the CITC facility nearest your home zip code.**



## APPRENTICESHIP MONTHLY WORK LOGS

Apprenticeship monthly work logs can be submitted to the apprenticeship department via email: [worklogs@citcwa.org](mailto:worklogs@citcwa.org); fax: **(425) 289-0085** (this fax number does not receive texts); mail to the CITC main office: **1930 116th Ave NE Bellevue, WA 98004**.

## NCCERCONNECT 2.0 WITH PEARSON eTEXT ACCESS CARD

NCCERConnect 2.0 is an online training program that enhances student learning with a range of visual, auditory, and interactive elements. Your Pearson eText Access Card will give you access to an eBook version of the textbook included in the package.

<https://registration.mypearson.com>



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**SHEET METAL LEVEL 1**

Minimum: 200 hours per year

**SHEET METAL 101: FALL QUARTER**

Students will thoroughly review construction site safety and shop safety and are introduced to trade mathematics; safe use of basic hand and power tools; blueprint reading; rigging and an overview of sheet metal careers. Includes OSHA 10 training. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

**SHEET METAL 102: WINTER QUARTER**

Students will learn about sheet metal tools; are introduced to sheet metal layout and processes; sheet metal math; and fabrication - parallel line development. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

**SHEET METAL 103: SPRING QUARTER**

Students will learn about installation of ductwork; installation of air distribution accessories; insulation; and architectural sheet metal. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

**BOOKS - SHEET METAL LEVEL 1**

It is the student's responsibility to have the following book(s) on the first night of class:

REQUIRED TEXT	Soft Cover ISBN	Hard Cover ISBN
NCCER Core Curriculum Trainee Guide, 6th Edition	9780137483341	9780137483358
NCCER Sheet Metal Level 1 Trainee Guide, 4th Edition	9780136629511	

**SHEET METAL LEVEL 2**

Minimum: 200 hours per year

**SHEET METAL 201: FALL QUARTER**

Students will learn intermediate sheet metal trade mathematics, learn to read plans and specifications and learn layout and fabrication using radial line development. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

**SHEET METAL 202: WINTER QUARTER**

Students will continue with radial line development then learn about sheet metal duct fabrication, air properties and distribution; and proper bend allowances and will review green building practices. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

**SHEET METAL 203: SPRING QUARTER**

Students will learn a wide range of soldering tasks and techniques, basic piping practices and layout and fabrication of fiberglass duct. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

**BOOKS - SHEET METAL LEVEL 2**

It is the student's responsibility to have the following book(s) on the first night of class:

REQUIRED TEXT	Soft Cover ISBN	Hard Cover ISBN
NCCER Sheet Metal Level 2 Trainee Guide, 4th Edition	9780136630234	



All first year classes include  
**OSHA 10 for Construction**



## SHEET METAL LEVEL 3

Minimum: 200 hours per year

### SHEET METAL 301: FALL QUARTER

Students will learn advanced sheet metal trade mathematics for field measuring and fitting; air systems; and principles of airflow. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

### SHEET METAL 302: WINTER QUARTER

Students will learn about louvers, dampers, and access doors; will do a comprehensive review of blueprint reading and specifications. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

### SHEET METAL 303: SPRING QUARTER

Students will learn about fabrication techniques using triangulation; advanced architectural sheet metal. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

#### BOOKS - SHEET METAL LEVEL 3

It is the student's responsibility to have the following book(s) on the first night of class:

REQUIRED TEXT	Soft Cover ISBN	Hard Cover ISBN
NCCER Sheet Metal Level 3 Trainee Guide, 4th Edition	9780136630609	

## SHEET METAL LEVEL 4

Minimum: 200 hours per year (not offered)

### SHEET METAL 401: FALL QUARTER

Students will learn about shop production and organization; air testing and air balancing. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

### SHEET METAL 402: WINTER QUARTER

Students will learn about welding, brazing and cutting, fume and exhaust system design. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

### SHEET METAL 403: SPRING QUARTER

Students will complete a comprehensive review of fabrication and will participate in crew leader training. Schedule for lab dates will be handed out the first night of class each quarter. Scheduled dates may be adjusted at instructor's discretion.

#### BOOKS - SHEET METAL LEVEL 4

It is the student's responsibility to have the following book(s) on the first night of class:

REQUIRED TEXT	Soft Cover ISBN	Hard Cover ISBN
NCCER Sheet Metal Level 4 Trainee Guide, 4th Edition	9780136632221	



## Sheet Metal Instructors

As a part of our dedication and commitment to training, we take pride in delivering top quality instructors. CITC's instructors are highly skilled journey-level workers who bring their knowledge and years of trade experience into the classroom. All CITC instructors have been certified by the National Center for Construction Education and Research.

**Ben Hanson** started in the trade in 1996. CITC graduate in 2004. CITC faculty member since 2015.

**David Price** started in the trade 1977 and became a CITC faculty member in 1989. Received CITC Instructor of the Year in 2008. NCCER Subject Matter Expert.

**Derrick Yancey** started in the trade in 1996 and joined the CITC faculty in 2006

## Sheet Metal Schedule & Tuition

### Eastern Washington Region

SHEET METAL LEVEL 1										
Pasco	101	Fall	13 weeks	81 hours	Fri/Sat	8a-5p	September 16 – December 17 + Assignments			Tuition: \$1,325
Pasco	102	Wtr	8 weeks	63 hours	Fri/Sat	8a-5p	January 20 – March 18 + Assignments			Tuition: \$1,325
Pasco	103	Spr	9 weeks	57 hours	Fri/Sat	8a-5p	April 21 – June 17 + Assignments			Tuition: \$1,325
SHEET METAL LEVEL 2										
Pasco	201	Fall	13 weeks	81 hours	Fri/Sat	8a-5p	September 9 – December 10 + Assignments			Tuition: \$1,325
Pasco	202	Wtr	8 weeks	63 hours	Fri/Sat	8a-5p	January 13 – March 11 + Assignments			Tuition: \$1,325
Pasco	203	Spr	8 weeks	57 hours	Fri/Sat	8a-5p	April 14 – June 10 + Assignments			Tuition: \$1,325
SHEET METAL LEVEL 3										
Pasco	301	Fall	13 weeks	81 hours	Fri/Sat	8a-5p	September 16 – December 17 + Assignments			Tuition: \$1,325
Pasco	302	Wtr	8 weeks	63 hours	Fri/Sat	8a-5p	January 20 – March 18 + Assignments			Tuition: \$1,325
Pasco	303	Spr	9 weeks	57 hours	Fri/Sat	8a-5p	April 21 – June 17 + Assignments			Tuition: \$1,325
SHEET METAL LEVEL 4										
Pasco	401	Fall	13 weeks	81 hours	Fri/Sat	8a-5p	September 9 – December 10 + Assignments			Tuition: \$1,325
Pasco	402	Wtr	8 weeks	63 hours	Fri/Sat	8a-5p	January 13 – March 11 + Assignments			Tuition: \$1,325
Pasco	403	Spr	9 weeks	57 hours	Fri/Sat	8a-5p	April 14 – June 10 + Assignments			Tuition: \$1,325

### Western Washington Region

SHEET METAL LEVEL 1										
Marysville	101	Fall	13 weeks	81 hours	Fri/Sat	8a-5p	September 16 – December 17 + Assignments			Tuition: \$1,750
Marysville	102	Wtr	8 weeks	63 hours	Fri/Sat	8a-5p	January 20 – March 18 + Assignments			Tuition: \$1,750
Marysville	103	Spr	9 weeks	57 hours	Fri/Sat	8a-5p	April 21 – June 17 + Assignments			Tuition: \$1,750



All first year classes include  
**OSHA 10 for Construction**

