	Title:	Sheet Metal, Level 1
	Edition:	4
	Publication Date:	2019
	Additional Instructor Requirement(s):	None
	Prerequisite(s):	Core
	Previous Edition Expiration Date:	www.nccer.org/expirations



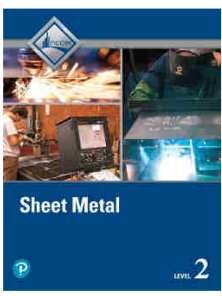
Book Module Number	Module Name	3 rd Edition Mod ID #	4 th Edition Mod ID #	4 th Edition Hours	3 rd Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments
---	---	---	---	72.5	72.5	---	---	• Core, 5 th edition
1	Occupational Overview: The Sheet Metal Industry	04101-08	04101	7.5	5	04101-08	Yes	• New Title; Formerly called <i>Introduction to the Sheet Metal Trade</i>
2	Sheet Metal Tools and Equipment	04102-08	04102	10	5	04102-08	Yes	• New Title; Formerly called <i>Tools of the Trade</i>
3	Plasma Arc Cutting	---	29103	7.5	---	29103-15 29103-09	Yes	• Lockdown module from Welding, new to Sheet Metal
4	Sheet Metal Math and Measurements	04104-08	04104	20	20	04104-08	Yes	• New Title; Formerly called <i>Trade Math One</i>
5	Sheet Metal Layout and Processes	04103-08	04103	17.5	7.5	04103-08	Yes	• New Title; Formerly called <i>Introduction to Sheet Metal Layout and Processes</i>
6	Parallel Line Development	04105-08	04105	27.5	22.5	04105-08	Yes	• New Title; Formerly called <i>Fabrication One – Parallel Line Development</i>
7	Installation of Ductwork	04106-08	04106	15	15	04106-08	Yes	
8	Installation of Air Distribution Accessories	04107-08	04107	12.5	5	04107-08	Yes	
Deleted	Insulation	04108-08	---	---	7.5	---	---	
Deleted	Architectural Sheet Metal	04109-08	---	---	15	---	---	
				Total Hours	190	182.5		

Definitions:

- Lock-Down Module:** A module adopted “as-is” from another craft or an earlier edition of the same curriculum.
- Equivalent Module:** A module whose learning and performance outcomes match those of the newer editions and is therefore considered ‘equivalent’ in NCCER’s Registry.
- Interim Credential:** A module, or group of modules, whose learning and performance outcomes demonstrates competence of specific components in an occupational area and results in a unique credential in the Registry.

Color Highlight Legend:

- = No Performance Test
- = Lock-Down Module
- = Equivalent Module
- = Deleted

	Title:	Sheet Metal, Level 2
	Edition:	4
	Publication Date:	2019
	Additional Instructor Requirement(s):	None
	Prerequisite(s):	None
	Previous Edition Expiration Date:	www.nccer.org/expirations



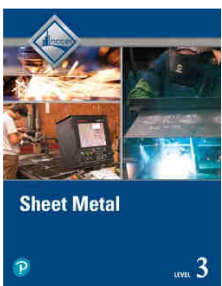
Book Module Number	Module Name	3 rd Edition Mod ID #	4 th Edition Mod ID #	4 th Edition Hours	3 rd Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments	
1	Field Measurements, Calculations, and Fittings	04301-09	04301	25	15	04301-09	Yes	• New Title	
2	Construction and Sheet Metal Drawings	04202-08	04202	17.5	20	04202-08	Yes	• New Title (former title was Plans and Specifications).	
3	Radial Line Development	04203-08	04203	20	55	04203-08	Yes		
4	Triangulation	04306-08	04306	40	47.5	04306-08	Yes		
5	Sheet Metal Duct Fabrication Standards	04204-08	04204	7.5	7.5	04204-08	Yes		
6	Bend Allowances	04206-08	04206	7.5	5	04206-08	Yes		
7	Soldering	04207-08	04207	15	15	04207-08	Yes		
8	Air Distribution Systems	---	03109	15	15	03109-13	Yes	• New Lockdown module from HVAC Level 1	
Deleted	Sheet Metal Trade Math Two	04201-08	---	---	20			• Combined with 04104 and 04301	
Deleted	Air Properties and Distribution	04205-08	---	---	15			• Replaced with 03109 from HVAC	
Deleted	Basic Piping Practices	04208-08	---	---	7.5			• Deleted from program; if customer seeks a replacement, suggest piping modules from HVAC.	
Deleted	Fiberglass Duct	04209-08	---	---	20			• Replaced with module 19203 from Mechanical Insulating	
				Total Hours	147.5	242.5			

Definitions:

- Lock-Down Module:** A module adopted “as-is” from another craft or an earlier edition of the same curriculum.
- Equivalent Module:** A module whose learning and performance outcomes match those of the newer editions and is therefore considered ‘equivalent’ in NCCER’s Registry.
- Interim Credential:** A module, or group of modules, whose learning and performance outcomes demonstrates competence of specific components in an occupational area and results in a unique credential in the Registry.

Color Highlight Legend:

- = No Performance Test
- = Lock-Down Module
- = Equivalent Module
- = Deleted

	Title:	Sheet Metal, Level 3
	Edition:	4
	Publication Date:	2019
	Additional Instructor Requirement(s):	None
	Prerequisite(s):	None
	Previous Edition Expiration Date:	www.nccer.org/expirations



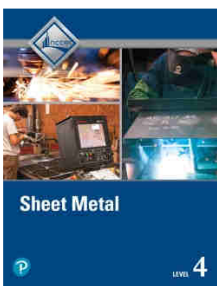
Book Module Number	Module Name	3 rd Edition Mod ID #	4 th Edition Mod ID #	4 th Edition Hours	3 rd Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments
1	Commercial Airside Systems	---	03201	12.5	12.5	03201-13	No	<ul style="list-style-type: none"> Replaces 04302-09, Air Systems Lockdown from HVAC
2	Principles of Airflow	04303-09	04303	22.5	22.5	04303-09	No	<ul style="list-style-type: none"> Contains new section from NCCER HVAC program
3	Using Construction Drawings in Sheet Metal	---	04308	30	0	---	Yes	<ul style="list-style-type: none"> NEW MODULE. Includes: Equipment schedules, RFIs, Cut Sheets, Material/Equip Takeoffs, Detail drawings, Submittals, and how to use drawings in the field.
4	Sheet Metal Job Specifications	04305-09	04305	20	30	04305-09	Yes	<ul style="list-style-type: none"> New title former title was "Comprehensive Plans and Specifications" - all specs material in this module.
5	Air Testing and Balancing	04402-09	04402	30	25	04402-09	Yes	
6	Blanket Insulation for Ducts	---	19202	7.5	7.5	---	Yes	<ul style="list-style-type: none"> New to Sheet Metal replacing 04108-08; from Mechanical Insulating
7	Board Insulation for Ducts	---	19203	20	20	---	Yes	<ul style="list-style-type: none"> Lockdown from Mechanical Insulating
Deleted	Air Systems	04302-09	---	---	10	---	---	<ul style="list-style-type: none"> Replaced by 03201 from HVAC
Deleted	Louvers, Dampers, and Access Doors	04304-09	---	---	20	---	---	<ul style="list-style-type: none"> Information relocated to module 04107
				Total Hours	142.5	147.5		

Definitions:

- Lock-Down Module:** A module adopted "as-is" from another craft or an earlier edition of the same curriculum.
- Equivalent Module:** A module whose learning and performance outcomes match those of the newer editions and is therefore considered 'equivalent' in NCCER's Registry.
- Interim Credential:** A module, or group of modules, whose learning and performance outcomes demonstrates competence of specific components in an occupational area and results in a unique credential in the Registry.

Color Highlight Legend:

- = No Performance Test
- = Lock-Down Module
- = Equivalent Module
- = Deleted

	Title:	Sheet Metal, Level 4
	Edition:	4
	Publication Date:	2019
	Additional Instructor Requirement(s):	None
	Prerequisite(s):	None
	Previous Edition Expiration Date:	www.nccer.org/expirations



Book Module Number	Module Name	3 rd Edition Mod ID #	4 th Edition Mod ID #	4 th Edition Hours	3 rd Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments	
1	Fume and Exhaust System Design	04404-09	04404	25	25	04404-09	No		
2	Welding and Brazing	04403-09	04403	25	20	04403-09	Yes	• New title; Cutting content now in Oxyfuel Cutting module	
3	Oxyfuel Cutting	---	29102	17.5	17.5	29102-15 29102-09	Yes	• Lockdown from NCCER Welding	
4	Architectural Sheet Metal	04307-09	04307	25	12.5	---	Yes	• ELECTIVE (not required for credential) • Combination of 04109 and 04307 - both architectural modules were combined.	
5	Shop Production and Organization	04401-09	04401	25	25	04401-09	No		
6	Sheet Metal Business and Technology	---	04407	7.5	0	---	No	• CAD/Plasma cutter computers/ Estimating software/3D Scanning/ Construction Documentation software	
7	Fundamentals of Crew Leadership	---	46101	22.5	22.5	46101-17 46101-11	Yes	• Replaces Introductory Supervisory Skills	
Deleted	Fabrication Four – Comprehensive Review	04405-09	---	---	40				
Deleted	Introductory Supervisory Skills	04406-09			20			• Replaced by Fundamentals of Crew Leadership	
				Total Hours	147.5	107.5			

Definitions:

- Lock-Down Module:** A module adopted “as-is” from another craft or an earlier edition of the same curriculum.
- Equivalent Module:** A module whose learning and performance outcomes match those of the newer editions and is therefore considered ‘equivalent’ in NCCER’s Registry.
- Interim Credential:** A module, or group of modules, whose learning and performance outcomes demonstrates competence of specific components in an occupational area and results in a unique credential in the Registry.

Color Highlight Legend:

- = No Performance Test
- = Lock-Down Module
- = Equivalent Module
- = Deleted