

Title:	Welding, Level 1
Edition:	5
Publication Date:	2015
Additional Instructor Requirement(s):	None
Prerequisite(s):	Core
Previous Edition Expiration Date:	www.nccer.org/expirations



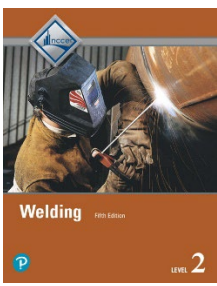
Book Module Number	Module Name	4 th Edition Mod ID #	5 th Edition Mod ID #	5 th Edition Hours	4 th Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments
---	---	---	---	77.5	72.5	---	---	• Core, 6 th edition
1	Welding Safety	29101-09	29101-15 29101	5	2.5	29101-09	No	• Moved oxyfuel sections to module 29102 / removed basic safety sections covered in core
2	Oxyfuel Cutting	29102-09	29102-15 29102	17.5	17.5	29102-09	Yes	• Added task for SENSE Added section on cylinder storage & safety • Added section on cylinder storage & safety
3	Plasma Arc Cutting	29103-09	29103-15 29102	7.5	7.5	29103-09	Yes	• Added task for SENSE
4	Air Carbon Arc Cutting and Gouging	29104-09	29104-15 29104	10	12.5	29104-09	Yes	
5	Base Metal Preparation	29105-09	29105-15 29105	12.5	12.5	29105-09	Yes	• Updated Performance Task • Added section on steel & stainless steel
6	Weld Quality	29106-09	29106-15 29106	10	10	29106-09	Yes	• Added info on additional welding organizations & API butt or fillet weld codes
7	SMAW - Equipment and Setup	29107-09	29107-15 29107	5	5	29107-09	Yes	
8	SMAW Electrodes	29108-09	29108-15 29108	2.5	2.5	29108-09	No	• Formerly titled <i>Shielded Metal Arc Welding – Electrodes</i>
9	SMAW - Beads and Fillet Welds	29109-09	29109-15 29109	100	120	29109-09	Yes	• Added a performance task
10	Joint Fit-up and Alignment	29110-09	29110-15 29110	5	5	29110-09	Yes	
11	SMAW - Groove Welds with Backing	29111-09	29111-15 29111	50	30	29111-09	Yes	
12	SMAW - Open Root Groove Welds - Plate	29112-09	29112-15 29112	60	80	29112-09	Yes	• Formerly called <i>SMAW - Open V-Groove Welds</i>
				Total Hours	362.5	365		

Definitions:

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Color Highlight Legend:

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- = Equivalent Module
- = Deleted

	Title:	Welding, Level 2
	Edition:	5
	Publication Date:	2015
	Additional Instructor Requirement(s):	None
	Prerequisite(s):	None
	Previous Edition Expiration Date:	www.nccer.org/expirations



Book Module Number	Module Name	4 th Edition Mod ID #	5 th Edition Mod ID #	5 th Edition Hours	4 th Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments
1	Welding Symbols	29201-09	29201-15 29201	5	5	29201-09	Yes	
2	Reading Welding Detail Drawings	29202-09	29202-15 29202	10	10	29202-09	Yes	• Drawings will add metric measurements
3	Physical Characteristics and Mechanical Properties of Metal	29203-09	29203-15 29203	7.5	7.5	29203-09	No	• Added several trade terms
4	Preheating and Postheating of Metals	29204-09	29204-15 29204	5	5	29204-09	Yes	• Updated images
5	GMAW and FCAW - Equipment and Filler Metals	29205-09	29205-15 29205	10	10	29205-09	Yes	• Removed hand tools for cleaning • Added information about contact tips and nozzles
6	GMAW - Plate	29206-09	29209-15 29209	60	80	---	Yes	• Split 29206-09 GMAW and FCAW - Plate
7	FCAW - Plate	29206-09	29210-15 29210	60	80	---	Yes	• Split 29206-09 GMAW and FCAW - Plate
8	GTAW - Equipment and Filler Metals	29207-09	29207-15 29207	10	10	29207-09	Yes	
9	GTAW – Plate	29208-09	29208-15 29208	60	60	---	Yes	• Added section on GTAW-specific safety (vapors, ozone/nitrogen dioxide, UV ray exposure) • Updated performance task requirements
				Total Hours	227.5	267.5		

Definitions:

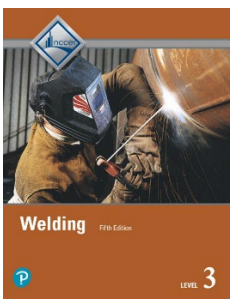
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	Title:	Welding, Level 3
	Edition:	5
	Publication Date:	2016
	Additional Instructor Requirement(s):	None
	Prerequisite(s):	None
	Previous Edition Expiration Date:	www.nccer.org/expirations



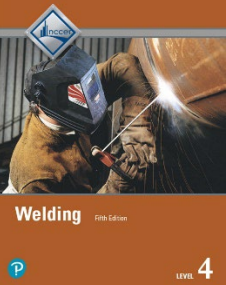
Book Module Number	Module Name	4 th Edition Mod ID #	5 th Edition Mod ID #	5 th Edition Hours	4 th Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments	
1	SMAW - Open-Root Pipe Welds	29301-10	29301-16 29301	100	100	29301-10	Yes		
2	GMAW - Pipe	29302-10	29302-16 29302	60	60	29302-10	Yes		
3	FCAW - Pipe	29303-10	29303-16 29303	60	60	29303-10	Yes		
4	GTAW - Carbon Steel Pipe	29304-10	29304-16 29304	80	80	29304-10	Yes		
5	GTAW - Low Alloy and Stainless Steel Pipe	29305-10	29305-16 29305	70	70	29305-10	Yes		
6	SMAW - Stainless Steel Plate and Pipe Groove Welds	29306-10	29306-16 29306	100	100	29306-10	Yes	• Formerly called: <i>SMAW - Stainless Steel Groove Welds</i>	
				Total Hours	470	470			

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 <p>Welding 5th Edition LEVEL 4</p>	Title:	Welding, Level 4
	Edition:	5
	Publication Date:	2016
	Additional Instructor Requirement(s):	None
	Prerequisite(s):	None
	Previous Edition Expiration Date:	www.nccer.org/expirations



Book Module Number	Module Name	4 th Edition Mod ID #	5 th Edition Mod ID #	5 th Edition Hours	4 th Edition Hours	Equivalent Registry Module(s)	Performance Profile	Comments
1	GMAW - Aluminum Plate	29401-10	29401-16 29401	30	30	29401-10	Yes	
2	GMAW - Aluminum Pipe	29404-10	29404-16 29404	50	50	29404-10	Yes	
3	GTAW - Aluminum Plate	29402-10	29402-16 29402	30	30	29402-10	Yes	
4	GTAW - Aluminum Pipe	29403-10	29403-16 26403	50	50	29403-10	Yes	
5	Soldering and Brazing	---	29405-16 29405	12.5	---	---	Yes	• NEW MODULE
				Total Hours	172.5	160		

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