



Title:	Maritime Aluminum Welding Level 1									
Pub Date:	2019									
Add. Instructor Require.:										
Prerequisite:	Maritime Industry Fundamentals									
Previous Edition Exp. Date:										

Book Module #	Old Mod ID #	New Mod ID #	New Version #	Equivalent Registry Module(s)	Performance Profile	Old Mod Hours	New Hours	Mod Name	Comments
							100	Maritime Industry Fundamentals	Maritime Industry Fundamentals (Core Curriculum plus module 84101-13 Introduction to the Maritime Industry) is required for any level credential in this craft.
1	-	29101	5.0	29101-15 29101-09	No	-	5	Welding Safety	
2	-	29103	5.0	29103-15 29103-09	Yes	-	7.5	Plasma Arc Cutting	
3	-	29105	5.0	29105-15 29105-09	Yes	-	12.5	Base Metal Preparation	
4	-	29106	5.0	29106-15 29106-09	Yes	-	10	Weld Quality	
5	-	29110	5.0	29110-15 29110-09	Yes	-	5	Joint Fit-up and Alignment	
6	-	29201	5.0	29201-15 29201-09	Yes	-	5	Welding Symbols	
7	-	29202	5.0	29202-15 29202-09	Yes	-	10	Reading Welding Detail Drawings	
8	-	29203	5.0	29203-15 29203-09	No	-	7.5	Physical Characteristics/Mechanical Properties of Metal	
9	-	29204	5.0	29204-15 29204-09	Yes	-	5	Preheating and Postheating of Metals	
10	-	29205	5.0	29205-15 29205-09	Yes	-	10	GMAW & FCAW - Equipment and Filler Metals	
11	-	29207	5.0	29207-15 29207-09	Yes	-	10	GTAW - Equipment and Filler Metals	
12	-	29401	5.0	29401-16 29401-10	Yes	-	30	GMAW - Aluminum Plate	
13	-	29402	5.0	29402-16 29402-10	Yes	-	30	GTAW - Aluminum Plate	
14	-	29403	5.0	29403-16 29403-10	Yes	-	50	GTAW - Aluminum Pipe	
15	-	29404	5.0	29404-16 29404-10	Yes	-	50	GMAW - Aluminum Pipe	

Total Hours without Prerequisite	247.5
Total Hours	347.5

Color Highlight Legend

	= Lock-Down Module		= No Performance Test
	= New Module		= Deleted
	= Equivalent Module		= Stackable Credential

Registry Module Numbers:

(-EN) = English-language module numbers will have a (-EN) suffix in the NCCER Registry System

(-ES) = Spanish-language module numbers will have a (-ES) suffix in the NCCER Registry System

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.