

Welding 2009 Revision Map

| Old Mod # | New Mod # | Mod. Name | Current Hours | New Hours | Equivalent Registry Module | Comments |
|------------------|------------------|--------------------------------------------------------------------------------------------------|----------------------|------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------|
| | | Core Curricula: Introductory Craft Skills | 72.5 | 72.5 | | |
| | | Welding Level 1: AWS Entry-Level Phase I | | | | |
| 29101-03 | 29101-09 | Welding Safety | 2.5 | 2.5 | 29101-03 | Cover fume extraction equipment and its importance according to OSHA |
| 29102-03 | 29102-09 | Oxyfuel Cutting | 17.5 | 17.5 | 29102-03 | |
| 29205-03 | 29103-09 | Plasma Arc Cutting | 7.5 | 7.5 | No | |
| 29204-03 | 29104-09 | Air Carbon Arc Cutting and Gouging | 12.5 | 12.5 | 29204-03 | |
| 29103-03 | 29105-09 | Base Metal Preparation | 12.5 | 12.5 | No | |
| 29104-03 | 29106-09 | Weld Quality | 10 | 10 | No | Expand coverage of codes to include marine; Identify acceptance criteria for visual inspection of a weld |
| 29105-03 | 29107-09 | SMAW-Equipment and Setup | 5 | 5 | No | Add inverter technology |
| 29106-03 | 29108-09 | Shielded Metal Arc Electrodes | 2.5 | 2.5 | 29106-03 | Add explanations on electrode designations; Lincoln equipment; reference |
| 29107-03 | 29109-09 | SMAW-Beads and Fillet Welds | 120 | 120 | 29107-03 | Add welding of angle iron to plate in the flat position - emphasizing inside corners |
| 29109-03 | 29110-09 | Joint Fit-Up and Alignment | 5 | 60 | 29109-03 | |
| 29108-03 | 29111-09 | SMAW-Groove Welds with Backing | 30 | 30 | 29108-03 | |
| 29110-03 | 29112-09 | SMAW-Open V-Groove Welds | 80 | 80 | 29110-03 | |
| | | Total Hours (including Core) | 377.5 | 360 | | |
| Old Mod # | New Mod # | Welding Level 2: AWS Entry-Level Phase II | Current Hours | New Hours | Equivalent Registry Module | Comments |
| 29201-03 | 29201-09 | Welding Symbols | 5 | 5 | No | |
| 29202-03 | 29202-09 | Reading Welding Detail Drawings | 12.5 | 12.5 | 29202-03 | |
| 29302-03 | 29203-09 | Physical Characteristics and Mechanical Properties of Metals | 7.5 | 7.5 | No | |
| 29301-03 | 29204-09 | Preheating and Postheating of Metals | 5 | 5 | No | look at post-weld heat treating process |
| 29206-03 | 29205-09 | GMAW & FCAW - Equipment and Filler Metals | 10 | 7.5 | 29205-03 | |
| 29207-03 | 29206-09 | GMAW & FCAW - Plate | 80 | 80 | No | |
| 29208-03 | 29207-09 | GTAW - Equipment and Filler Metal | 10 | 10 | No | |
| 29209-03 | 29208-09 | GTAW - Plate | 40 | 40 | No | |
| | | Total Hours | 170 | 167.5 | | |
| Old Mod # | New Mod # | Welding Level 3 (with learning objectives from AWS Advanced and Expert Level Welders) | Current Hours | New Hours | Equivalent Registry Module | Comments |
| 29111-03 | 29301-10 | SMAW-Open Root Pipe Welds | 100 | | | |
| 29303-03 | 29302-10 | GMAW - Pipe | 60 | | | |
| 29304-03 | 29303-10 | FCAW-Pipe | 60 | | | |
| 29305-03 | 29304-10 | GTAW - Carbon Steel Pipe | 60 | | | |
| | | Total Hours | 280 | | | |
| Old Mod # | New Mod # | Welding Advanced Topics | Current Hours | New Hours | Equivalent Registry Module | Comments |
| 29308-03 | 29401-10 | GMAW-Aluminum Plate | 50 | 30 | | |
| 29210-03 | 29402-10 | GTAW-Aluminum Plate | 50 | 30 | | |
| 29203-03 | 29403-10 | SMAW-Stainless Steel Groove and Pipe Welds | 80 | | | |
| 29306-03 | 29404-10 | GTAW - Stainless & Low-Alloy Steel Pipe | 70 | | | |
| 29307-03 | 29405-10 | GTAW-Aluminum Pipe | 50 | | | |
| 29308-03 | 29406-10 | GMAW-Aluminum Pipe | 50 | | | |
| | | Total Hours | 250 | | | |