

Correlations Chart

AWS S.E.N.S.E. EG2.0 Guidelines & NCCER Welding Levels 1 & 2

SENSE Guidelines				NCCER
Modules	Passing Score	Visual	Destructive	NCCER Standardized Curricula
1. Occupational Orientation *	No Test	No Test	No Test	Core Curriculum Module 00107-15: Basic Communication Skills Module 00108-15: Basic Employability Skills
2. Safety and Health of Welders *	100%	No Test	No Test	Welding Level 1: Module 29101-15: Welding Safety
3. Drawing and Welding Symbol Interpretation *	75%	No Test	No Test	Welding Level 2 Module 29201-15: Welding Symbols Module 29202-15: Reading Welding Detail Drawings
4. Shielded Metal Arc Welding	75%	Pass/Fail	Pass/Fail	Welding Level 1 Module 29107-15: SMAW—Equipment and Setup Module 29109-15: SMAW—Beads and Fillet Welds Module 29111-15: SMAW—Groove Welds with Backing
5. Gas Metal Arc Welding	75%	Pass/Fail	No Test	Welding Level 2 Module 29205-15: GMAW and FCAW—Equipment and Setup Equipment and Filler Materials Module 29209-15: GMAW – Plate
6. Flux Cored Arc Welding	75%	Pass/Fail	No Test	Welding Level 2 Module 29205-15: GMAW and FCAW—Equipment and Filler Materials Module 29210-15: FCAW – Plate
7. Gas Tungsten Arc Welding	75%	Pass/Fail	No Test	Welding Level 2 Module 29207-15: GTAW – Equipment and Filler Materials Module 29208-15: GTAW – Plate
8. Thermal Cutting Process * †	75%	No Test	No Test	
Unit 1: Manual Oxyfuel Gas Cutting (OFC) †		Pass/Fail	No Test	Welding Level 1 Module 29102-15: Oxyfuel Cutting
Unit 2: Mechanized Oxyfuel Gas Cutting (OFC) †		Optional	No Test	Welding Level 1 Module 29105-15: Base Metal Preparation
Unit 3: Manual Plasma Arc Cutting—PAC †		Pass/Fail	No Test	Welding Level 1 Module 29103-15: Plasma Arc Cutting
Unit 4: Manual Air Carbon Arc Cutting †		Optional	No Test	Welding Level 1 Module 29104-15: Air-Carbon Arc Cutting and Gouging
9. Welding Inspection and Testing *	75%	Pass/Fail	No Test	Welding Level 1 Module 29106-15: Weld Quality

* Required module for Level 1 Entry Welder Completion (plus one welding process module)

† Completion of Units 1 and 3 minimum