

CORRELATIONS CHART: AWS S.E.N.S.E. EG2.0 GUIDELINES AND NCCER WELDING LEVELS ONE AND TWO

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 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 I Entry Welder Completion (plus one welding process module)

† Completion of Units 1 and 3 minimum