

SEC – Welding Blueprints

This document contains the blueprints for the concentration areas
in secondary Welding.

Course Code(s)	Test Code	Program Name	Supplemental Materials/Notes
993300, 993302, 993303	11352N1-2019	Welding	
993301, 993304, 993306	11352N2-2019	Welding	

Technical Skills Attainment 2019-2020		
Curriculum	Y1 Post-Test	Y2 Post-Test
Welding	NCCER*	NCCER*

* These assessments are subject to change based on funding and policy changes/updates.
Information for test coordinators will be disseminated on the ordering process for the national certification by
the Research and Curriculum Unit at Mississippi State University.

MS-NCCER Blueprint Summary

Assessment: Welding
Test Code: 11352N1-2019
CIP Code: 480508
Course Codes: 993300, 993302, 993303
Type: CP

For more information regarding this Blueprint Summary, please contact the Research and Curriculum Unit by phone at 1.866.901.7433 or by e-mail at helpdesk@rcu.msstate.edu.

Assessment: Welding Test Code: 11352N1-2019 CIP Code: 480508 Total Hours: 227.50			Instructional Hours	Total Items
Unit 3: 00108-15 Basic Employability Skills			7.5	4
Unit 4: 00107-15 Basic Communication Skills			7.5	4
Unit 5: 00101-15 Basic Safety			15	5
Unit 6: 00102-15 Intro to Construction Math			15	5
Unit 7: 00103-15 Intro to Hand Tools			11.25	4
Unit 7: 00104-15 Intro to Power Tools			11.25	4
Unit 8: 00105-15 Intro to Construction Drawings			15	5
Unit 9: 00109-15 Intro to Material Handling			7.5	4
Unit 10: 29102-15 Oxyfuel Cutting			22.5	13
Unit 11: 29107-15 SMAW – Equipment and Setup			7.5	6
Unit 12: 29108-15 SMAW – Electrodes			7.5	6
Unit 13: 29109-15 SMAW – Beads and Fillet Welds			100	20
			Total Assessed Items	80

MS-NCCER Blueprint Summary

Assessment: Welding
Test Code: 11352N2-2019
CIP Code: 480508
Course Codes: 993301, 993304, 993306
Type: CP

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Assessment: Welding		
Test Code: 11352N2-2019		
CIP Code: 480508		
Total Hours: 187.50		Total Items
Unit 18: 29103-15 Plasma Arc Cutting	7.5	6
Unit 19: 29104-15 Air-Carbon Arc Cutting and Gouging	15	11
Unit 14: 29101-15 Welding Safety	7.5	6
Unit 15: 29105-15 Base Metal Preparation	15	11
Unit 16: 29110-15 Joint Fit-Up and Alignment	7.5	7
Unit 17: 29106-15 Weld Quality	15	11
Unit 20: 29111-15 SMAW – Groove Welds with Backing	60	13
Unit 21: 29112-15 SMAW – Open-Root Groove Welds – Plate	60	15
Total Assessed Items		80