



Name: \_\_\_\_\_

ID#: \_\_\_\_\_

#### Program Requirements

GPA.....2.0  
Credits.....64

The Welding program is designed to enable students to earn national certification for their welding skills from the National Center for Construction Education and Research (NCCER) and the AWS, the American Welding Society.

Core Courses 45 Credits		Areas	Courses
<b>Areas</b>		<b>Courses</b>	
NCCER Level I <b>Required: All</b> Complete <input type="checkbox"/>	(Each course is worth 2 credits unless noted) <input type="checkbox"/> WLD 100 Safety and Math <input type="checkbox"/> WLD 170 Metal Preparation, Quality and Alignment <input type="checkbox"/> WLD 171 Welding Cutting Process <input type="checkbox"/> WLD 172 SMAW ARC (3 credits) <input type="checkbox"/> WLD 173 SMAW Open Root Plate <input type="checkbox"/> WLD 174 SMAW V-Groove with Backing	Math <b>Required: 3-Credits</b> Complete <input type="checkbox"/>	(Each course is worth 3 credits unless noted) <input type="checkbox"/> BUS 133 Business Mathematics <input type="checkbox"/> MAT 101 Basic Technical Math <input type="checkbox"/> MAT 103 Business Mathematics <input type="checkbox"/> MAT 109 Algebra I: Introductory <input type="checkbox"/> MAT 112 Algebra II: Intermediate <input type="checkbox"/> MAT 125 Introduction to Statistics <input type="checkbox"/> MAT 142 College Math with Con App <input type="checkbox"/> MAT 152 Advanced Algebra <input type="checkbox"/> MAT 161 Algebra Based Math EE I <input type="checkbox"/> MAT 162 Algebra Based Math EE II <input type="checkbox"/> MAT 189 Pre-Calculus Algebra/Trig <input type="checkbox"/> MAT 211 Technical Calculus (4 credits) <input type="checkbox"/> MAT 221 Calculus I (4 credits) <input type="checkbox"/> MAT 231 Calculus II (4 credits) <input type="checkbox"/> MAT 241 Calculus III (4 credits)
NCCER Level II <b>Required: All</b> Complete <input type="checkbox"/>	(Each course is worth 3 credits unless noted) <input type="checkbox"/> WLD 175 GMAW Plate <input type="checkbox"/> WLD 176 FCAW Plate <input type="checkbox"/> WLD 177 GTAW (TIG) Plate <input type="checkbox"/> WLD 178 Metallurgy, Drawing, and Symbols (2 credits)	<b>Required: 3-Credits</b> Students <b>MUST choose one course from either</b> Arts & Humanities <b>OR</b> Social & Behavioral Sciences. (Each course is worth 3 credits)	
NCCER Level III <b>Required: All</b> Complete <input type="checkbox"/>	(Each course is worth 3 credits unless noted) <input type="checkbox"/> WLD 179 AWS Prep (2 credits) <input type="checkbox"/> WLD 200 AWS Certification (4 credits) <input type="checkbox"/> WLD 280 GMAW (MIG) Pipe <input type="checkbox"/> WLD 281 FCAW Plate <input type="checkbox"/> WLD 282 GTAW CS Pipe <input type="checkbox"/> WLD 283 GTAW LA and SS Pipe <input type="checkbox"/> WLD 284 SMAW CS Pipe	Arts & Humanities	<input type="checkbox"/> ART 101 Understanding Art <input type="checkbox"/> ART 115 Art History I <input type="checkbox"/> ART 116 Art History II <input type="checkbox"/> ART 215 Native American Art <input type="checkbox"/> ENL 220 World Literature I <input type="checkbox"/> ENL 221 World Literature II <input type="checkbox"/> ENL 224 English Literature I <input type="checkbox"/> ENL 225 English Literature II <input type="checkbox"/> ENL 230 American Literature I <input type="checkbox"/> ENL 231 American Literature II <input type="checkbox"/> ENL 238 Women's Literature <input type="checkbox"/> FDV 220 Film Aesthetics <input type="checkbox"/> HUM 150 Humanities in the Western World I <input type="checkbox"/> HUM 151 Humanities in the Western World II <input type="checkbox"/> MUS 150 Music Appreciation <input type="checkbox"/> MUS 250 World Music <input type="checkbox"/> PHL 101 Introduction to Philosophy <input type="checkbox"/> PHL 103 Introduction to Logic/critical Thinking <input type="checkbox"/> PHL 105 Introduction to Ethics <input type="checkbox"/> SPT 130 Introduction to Theatre <input type="checkbox"/> SPT 140 Principles of Drama <input type="checkbox"/> SPT 150 Introduction to Film <input type="checkbox"/> SPT 155 History of Television
<b>Elective Courses 3 credits</b>		Social & Behavioral Sciences	<input type="checkbox"/> PSY 101 Introduction to Psychology <input type="checkbox"/> *ANT 102 Cultural Anthropology <input type="checkbox"/> ANT 120 Buried Cities and Lost Tribes <input type="checkbox"/> ECN 211 Principles of Macroeconomics <input type="checkbox"/> ECN 212 Principles of Microeconomics <input type="checkbox"/> *GEO 110 World Regional Geography <input type="checkbox"/> GEO 120 Human Geography <input type="checkbox"/> *HIS 101 World History: Prehistoric to 1450 CE <input type="checkbox"/> *HIS 102 World History: 1450 CE to Present <input type="checkbox"/> *HIS 105 U.S. History to 1877 <input type="checkbox"/> *HIS 106 U.S. History Since 1877 <input type="checkbox"/> *HIS 155 Western Civilization to 1700 <input type="checkbox"/> *HIS 156 Western Civilization since 1700 <input type="checkbox"/> HIS 201 History of Women <input type="checkbox"/> POS 110 American Government <input type="checkbox"/> PSY 240 Developmental Psychology <input type="checkbox"/> PSY 250 Social Psychology <input type="checkbox"/> SOC 101 Introduction to Sociology <input type="checkbox"/> SOC 121 Social Problems in America <input type="checkbox"/> SOC 212 Sex & Gender in Society <input type="checkbox"/> SOC 215 Ethnicity & Race <input type="checkbox"/> SOC 225 Sociology of the Family
<b>General Education Courses 16 Credits</b>			
Required Electives <b>Required: 3-Credits</b> Complete <input type="checkbox"/>	Students must complete a minimum of 3 credits from the following <input type="checkbox"/> WLD 134 Fundamentals of Plastic Welding (3 credits) <input type="checkbox"/> WLD 288 Advanced Topics in Welding: Aluminum (6 credits) <input type="checkbox"/> WLD 290 Welding Fabrication (3 credits) <input type="checkbox"/> WLD 291 Internship for Welding (2 credits) <input type="checkbox"/> Or any unduplicated 100-level course or higher (3 credits)		
English/Com. <b>Required: 6-Credits</b> Complete <input type="checkbox"/>	(Each course is worth 3 credits) <input type="checkbox"/> ENL 101 College Composition I <b>Plus one of the following:</b> <input type="checkbox"/> ENL 102 College Comp II (required for AGEC) <input type="checkbox"/> ENL 109 Technical Writing <input type="checkbox"/> SPT 110 Fundamentals of Oral Communication <input type="checkbox"/> SPT 120 Public Speaking		
Physical & Biological Sciences <b>Required: 4-Credits</b> Complete <input type="checkbox"/>	(Each course is worth 4 credits) <input type="checkbox"/> ANT 104 Biological Anthropology & Human Origins <input type="checkbox"/> BIO 100 Biology Concepts <input type="checkbox"/> BIO 105 Environmental Biology <input type="checkbox"/> BIO 160 Introduction to Human Anatomy & Physiology <input type="checkbox"/> BIO 181 General Biology I <input type="checkbox"/> BIO 182 General Biology II <input type="checkbox"/> **CHM 130 Foundational Chemistry <input type="checkbox"/> **CHM 151 General Chemistry I <input type="checkbox"/> CHM 152 General Chemistry II <input type="checkbox"/> GEO 111 Physical Geography <input type="checkbox"/> GLG 101 Introduction to Geology I – Physical Geology <input type="checkbox"/> GLG 102 Introduction to Geology II –Historical Geology <input type="checkbox"/> PHY 113 General Physics I <input type="checkbox"/> PHY 114 General Physics II		

If you are a student with a disability and need accommodations, please contact the **Disability Resource and Access** office located at the White Mountain Campus. The coordinator, Sandy Manor, travels to all NPC campuses and centers. An appointment can be scheduled to meet with her by calling (800) 266-7845, ext. 6178.

**Courses over 8 years old may be reevaluated for this program**

