

# Welding (WLD)

# Associate of Applied Science (AAS) Degree

Direct to
\$
Mark
Work

Name: _	
ID#:	
ID#:	

Program Re	equirements .
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
Areas	Courses	Math	(Each course is worth 3 credits unless noted)
NCCER Level I Required: All Complete □	(Each course is worth 2 credits unless noted)  □ WLD 100 Safety and Math □ WLD 170 Metal Preparation, Quality and Alignment □ WLD 171 Welding Cutting Process □ WLD 172 SMAW ARC (3 credits) □ WLD 173 SMAW Open Root Plate □ WLD 174 SMAW V-Groove with Backing	Required: 3-Credits Complete	□ BUS 133 Business Mathematics □ MAT 101 Basic Technical Math □ MAT 103 Business Mathematics □ MAT 109 Algebra I: Introductory □ MAT 112 Algebra II: Intermediate □ MAT 125 Introduction to Statistics □ MAT 142 College Math with Con App □ MAT 152 Advanced Algebra
NCCER Level II  Required: All  Complete	(Each course is worth 3 credits unless noted)  WLD 175 GMAW Plate WLD 176 FCAW Plate WLD 177 GTAW (TIG) Plate WLD 178 Metallurgy, Drawing, and Symbols (2 credits)		□ MAT 161 Algebra Based Math EE I     □ MAT 162 Algebra Based Math EE II     □ MAT 189 Pre-Calculus Algebra/Trig     □ MAT 211 Technical Calculus (4 credits)     □ MAT 221 Calculus I (4 credits)     □ MAT 231 Calculus II (4 credits)     □ MAT 241 Calculus III (4 credits)
NCCER Level III Required: All	(Each course is worth 3 credits unless noted)  □ WLD 179 AWS Prep (2 credits) □ WLD 200 AWS Certification (4 credits) □ WLD 280 GMAW (MIG) Pipe □ WLD 281 FCAW Plate	Required: 3-Credits Complete  Arts &	Students MUST choose one course from either Arts & Humanities OR Social & Behavioral Sciences. (Each course is worth 3 credits)  ART 101 Understanding Art
Complete 🗆	□ WLD 282 GTAW CS Pipe □ WLD 283 GTAW LA and SS Pipe □ WLD 284 SMAW CS Pipe	Humanities	□ ART 115 Art History I □ ART 116 Art History II □ ART 215 Native American Art □ ENL 220 World Literature I
	Elective Courses 3 credits		☐ ENL 221 World Literature II
Required Electives  Required: 3-Credits  Complete	Students must complete a minimum of 3 credits from the following  WLD 134 Fundamentals of Plastic Welding (3 credits)  WLD 288 Advanced Topics in Welding: Aluminum (6 credits)  WLD 290 Welding Fabrication (3 credits)  WLD 291 Internship for Welding (2 credits)  Or any unduplicated 100-level course or higher (3 credits)		□ ENL 224 English Literature I □ ENL 225 English Literature II □ ENL 230 American Literature I □ ENL 231 American Literature II □ HUM 150 Humanities in the Western World I □ HUM 151 Humanities in the Western World II □ MUS 150 Music Appreciation □ MUS 250 World Music
	General Education Courses 16 Credits		☐ PHL 101 Introduction to Philosophy ☐ PHL 103 Introduction to Logic/critical Thinking
English/Com.  Required: 6-Credits	(Each course is worth 3 credits)  □ ENL 101 College Composition I  Plus one of the following:  □ ENL 102 College Comp II (required for AGEC)		□ PHL 105 Introduction to Ethics □ SPT 130 Introduction to Theatre □ SPT 150 Introduction to Film □ SPT 155 History of Television
Complete	☐ ENL 102 Cesting Writing ☐ SPT 110 Fundamentals of Oral Communication ☐ SPT 120 Public Speaking	Social & Behavioral Sciences	□ PSY 101 Introduction to Psychology □ *ANT 102 Cultural Anthropology □ ANT 120 Buried Cities and Lost Tribes □ ECN 211 Principles of Macroeconomics □ ECN 213 Principles of Microeconomics
Physical & Biological Sciences  Required: 4-Credits  Complete	(Each course is worth 4 credits)  □ ANT 104 Biological Anthropology & Human Origins □ BIO 100 Biology Concepts □ BIO 105 Environmental Biology □ BIO 160 Introduction to Human Anatomy& Physiology □ BIO 181 General Biology I □ BIO 182 General Biology II □ **CHM 130 Foundational Chemistry □ **CHM 151 General Chemistry I □ CHM 152 General Chemistry II □ GEO 111 Physical Geography □ GLG 102 Introduction to Geology I − Physical Geology □ PHY 113 General Physics I □ PHY 114 General Physics II	Total Credits	□ ECN 212 Principles of Microeconomics □ *GEO 110 World Regional Geography □ GEO 120 Human Geography □ *HIS 105 U.S. History to 1877 □ *HIS 106 U.S. History Since 1877 □ *HIS 155 Western Civilization to 1700 □ *HIS 156 Western Civilization since 1700 □ POS 110 American Government □ PSY 240 Developmental Psychology □ PSY 250 Social Psychology □ SOC 120 General Sociology □ SOC 121 Social Problems in America □ SOC 130 Racial, Ethnic and Gender Relations in Society □ SOC 225 Sociology of the Family

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.

## Suggested Semester Plan of Study

(complete your degree in two years)

# Your Semester Plan of Study

(complete your degree in the years)				
Semester 1	Credits	Semester 2	Credits	
ENL 101	3	Physical & Biological Sciences	4	
WLD 100	2	WLD 175	3	
WLD 170	2	WLD 176	3	
WLD 171	2	WLD 177	3	
WLD 172	2	WLD 178	3	
WLD 173	3			
WLD 174	2			
Semester 3	Credits	Semester 4	Credits	
WLD 280	3	WLD 284	3	
WLD 281	3	WLD 179	2	
WLD 282	3	WLLD 200	4	
WLD 283	3	WLD Elective	3+	
Arts & Humanities OR Social Behavioral Science	3			

Summer Term	Communications course	3
	Math course	3

#### Important Dates to Remember:

#### Fall 2016 Semester:

April 11	Schedule available online.
April 15	FAFSA priority deadline.

April 22 Veterans Priority Registration Day. April 25 Registration begins at 7:30 a.m. July 29 Last day for schedule changes for FAFSA. Financial Aid award available to students. August 5

August 22 Fall semester begins.

Last day to withdraw without a "W" on transcript. September 2

October 4 Fall Graduation Application deadline.

#### Spring 2017 Semester:

October 15	FAFSA Priority Deadline.
November 14	Schedule available online.
November 21	Veterans Priority Registration Day.
November 28	Registration begins at 7:30 a.m.
December 16	Last day for schedule changes for FAFSA.
December 23	Financial Aid award available to students.
January 17	Spring semester begins.

Last day to withdraw without a "W" on transcript. January 30

February 21 Spring Graduation Application deadline.

## Summer 2017 Semester:

March 13	Schedule available online.
March 15	FAFSA Priority Deadline.
March 24	Veteran Priority Registration Day.
March 27	Registration begins at 7:30 a.m.

June 5 Summer semester begins

June 6 Last day to withdraw without a "W" on transcript.

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Semester 1	Credits	Semester 2	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits
Semester 3	Credits	Semester 4	Credits

# **Additional Semesters as Needed**

Semester 5	Credits	Semester 6	Credits
Semester 7	Credits	Semester 8	Credits
Semester 7	Credits	Semester 8	Credits
Semester 7	Credits	Semester 8	Credits
Semester 7	Credits	Semester 8	Credits
Semester 7	Credits	Semester 8	Credits

Total Estimated Program Cost	Cost
Tuition	\$4,480.00
Fees	\$1,000-\$1,300
Books	\$ 800-\$1200
TOTAL:	\$6,280.00 - \$6,980.00

<sup>\*</sup>Tuition, fees and books subject to change without notice. Estimate for 2015-16 and 2016-17 academic years.

## **Helpful Definitions and Websites**

- See the cost savings in just tuition by completing the first two years of your bachelor's degree at NPC at www.npc.edu/transferU
- Find out more about NPC transfer agreements with other colleges and universities at www.npc.edu/transfer-agreements
- Learn all about Arizona's guaranteed transfer degrees to ASU, NAU and UofA at www.aztransfer.com
- NPC's college catalog is available online at www.npc.edu/college-catalog or from any campus or center adviser.
- Articulation: the process of determining the transfer and applicability of courses from one institution of higher education to another.
- Course Equivalency Guide: shows how community college courses transfer to the three state universities. It also has many equivalencies among the three state universities. It does NOT indicate how a course transfers to a specific degree program. Course equivalencies are "year specific" meaning that in order to see if course work will transfer, you must review the Course Equivalency Guide for the year in which you took the course.
- Course Prefix: generally three or four characters identifying a department or division in which a course is taught (example: SOC is commonly used for Sociology courses)
- Prerequisites: a course that must be completed prior to taking a subsequent course.
- SUN#: the Shared Unique Number (SUN) System identifies some of the transferable lower-division courses commonly offered at the three Arizona public universities and at least two Arizona community colleges. The system ensures that a SUN course at a participating institution will be accepted as a direct equivalent to the comparable SUN course at the other participating institution.