

Outcomes Data:

Assessment 1: NOCTI Test Results

USUE NOCTI Results				
Year	2017		2022	
	USUE	Nation	USUE	Nation
Safety	86.4	76.5		
Welding symbols and print reading	92.6	77.8		
OFC	79	61.2		
CAC-A and PAC	78.6	61.5		
Metallurgy	83.9	72.7		
Weld fit-up and quality	86	73.3		
SMAW	82.7	65.7		
GMAW and FCAW	80.9	63.3		
GTAW	82.2	68.7		
Total	83.2	68.6		

Assessment 2: SkillsUSA Competitive Results

SkillsUSA – Welding (Individual) Results		
Year	Utah	National
2008	1st	1 st
2009	1st	13 th
2010	1st	2 nd
2011	1st	5 th
2012	1st	5 th
2013	1st	5 th
2014	1st	N/A
2015	1st	29 th
2016	2nd	N/A
2017	1st	11 th
2018	1st	4 th
2019	1st	3 rd

2020	No contest held	
2021	1st	11 th
2022		

SkillsUSA – Welding Fabrication (3-member team) Results		
Year	Utah	National
2008	1st	1 st
2009	1st	3 rd
2010*	1st	1st
2010	1st	2 nd
2011	1st	1 st
2012	1 st	1 st
2013	2nd	N/A
2014	2nd	N/A
2015	1st	2 nd
2016	2nd	N/A
2017	2nd	N/A
2018	1st	1 st
2019	1st	1 st
2020	No contest held	
2021	1st	1st
2022	1st	

**Secondary (high school) division*

Assessment 3: WPQR Results

WPQR (Welder's Certifications) Results			
Year	GTAW	FCAW	SMAW
2021	2	5	3
2022		5	3

Assessment 4: Theory-only courses direct measures

WELD 2400 – Print Reading for Welders			
Semester	Assessment Used	Class Average	Comments
Spring 2020	Exam 1 – Print Reading	74%	See Appendix 1 – WELD 2400 Exam 1
Fall 2021	Exam 1 – Print Reading	78%	

WELD 2500 – Weld Inspection			
Semester	Assessment Used	Class Average	Comments
Spring 2022	Exam 1 – Weld Inspection	82%	-

WELD 2600 – Metallurgy			
Semester	Assessment Used	Class Average	Comments
Fall 2022		TBD	

Data-Based Decisions:

Assessment 1:

As this assessment is past due, the current action will be to **schedule the assessment** for completion during the Spring 2022 semester, and assess the outcomes of the exam afterward.

Assessment 2:

Our current action will simply be to **continue to excel** in the SkillsUSA contests mentioned. Additionally, we will explore participation in **additional** SkillsUSA competitions, such as Welding Sculpture.

Assessment 3:

This assessment is in the initial phases of implementation. Currently our action will be to **collect additional assessment data**. Specifically, the WPQR test results for GTAW need to be collected before this year's annual assessment data can be completed.

Assessment 4:

Like assessment 3, this assessment is also being newly implemented. So, our current action will also be to **collect additional assessment data** before we move forward. Specifically, direct-

measure assessments will be collected in WELD 2400 (Fall 2021), WELD 2500 (Spring 2022), and WELD 2600 (Fall 2022).

Summary:

Half of the assessments in this assessment plan are being newly implemented as of this writing (October 2021), as such an additional action will be to **notify the program advisory committee (PAC)** of the updates made to the program assessment plan as well to ensure alignment with local and national industry standards and expectations.