

1. Outcome	2. Criteria or Target	3. Measurement Tool (course and assignment)	4. When/how and by who analysis of assessment will be accomplished	5. Program Assessment and Recommendations
Students who complete the AAS degree should be able to:				
1. Interpret technical drawings to determine product manufacturing specifications.	Read and understand blueprints as they pertain to manufacturing.	MFG 155, 156, 157; written and hands on assessments per course	2027-28 Advanced Manufacturing and Fabrication Department.	MET: 90% of students passed with a 70% or higher.
2. Apply safe practices in an industrial environment around machinery, power tools and chemicals.	Use correct PPE and safe working practices in the shop equipment.	All courses; primarily MFG195 through SP2 industrial safety (industry standard). Tool by tool in all other courses.	2027-28 Advanced Manufacturing and Fabrication Department.	MET: All students passed all modules.
3. Operate welding equipment and tools to produce products to required specifications.	Create production appropriate welds and prepare for AWS certification testing.	MFG195, MFG150, MFG151, MFG152, MFG155, MFG156, MFG157, MFG280, MFG281, MFG282, MFG285, MFG286, MFG287.  Hands on industry recognized certification procedure testing (Primarily AWS) and written assessments.	2027-28 Advanced Manufacturing and Fabrication Department.	MET: Across all assessments, 90% of tests were passed at a 70% or higher; but not for all students. In the future this assessment will be broken down further. See analysis.
4. Utilize computer software to produce blueprints and welding annotations	Design and create products from blueprints created on software used in industry.	MFG 155, MFG156, MFG157	2027-28 Advanced Manufacturing and Fabrication Department.	MET: Across all assessments, 90% of tests were passed at a 70% or higher; but not for all

		Both computer and written exams as well as hands on blueprint fabrication.		students. In the future this assessment will be broken down further. See analysis.
--	--	--	--	--

Submitted by: Robert Wells-Clark

Date: 7/15/2023

Plans to be submitted to Title III Academic Assessment Coordinator ([kbooth@cgcc.edu](mailto:kbooth@cgcc.edu)) by Nov. 15<sup>th</sup> of academic year being assessed

Results to be submitted to Title III Academic Assessment Coordinator ([kbooth@cgcc.edu](mailto:kbooth@cgcc.edu)) by July 1 of the following academic year being assessed