**Program Level Outcome (PLO) Assessment Report Summary**

**Program Level Outcomes for Welding Technology:**

Upon successful completion of the Welding Technology Program, a student should be able to:

1. demonstrate the use of welding and metal cutting processes safely and correctly.
2. perform welding procedures in two or more methods on steel test plates in two or more welding positions.
3. interpret and analyze fabrication prints, develop parts and cutting lists, and select and calibrate welding and cutting methods to fabricate assigned projects.

**What we looked at:**

Program Level Outcomes #1, #2 and #3.

**What we found:**

PLO #1 is a good program outcome for WLD-54 and WLD-57 however there are no student learning outcomes that map metal cutting processes to this outcome for WLD-150 and WLD-151.

PLO #2 & #3 are good program outcomes for WLD-54 and WLD-57 although the students are only welding and performing at an intermediate level and not at an exit level which are needed for gainful employment. The student learning outcomes for WLD-150 and WLD-151 do not accurately map to PLO #2 & #3. These are beginning welding courses and students do not have the necessary time and experience to achieve these outcomes.

**What our next steps are:**

In order to more accurately meet the Program Level Outcomes for Welding Technology, additional welding courses should be added to address the immense gap between the entry level welding courses to the advanced level. When a student leaves the Hartnell College Welding Programs, PLOs #1, #2, and #3 should be a realistic expectation when given the necessary courses to achieve this.