Instructional Program Review- Annual Update Template

Instructional Program

Indicate the type of program: ☐ AA; ☐AS; ☐AA-T; ☐AS-T; ☒Certificate

Program Name: Welding Technology, Shielded Metal Arc Welding (SMAW), COA

Academic Year: 2023-2024

Name of Faculty Submitter(s): Brian Packer

Annual Update #1 ☒ #2 ☐

Note: An Annual Update must be submitted each year that a Program Review is not submitted.

I. Progress on Program Level Outcomes (PLOs) and Student Learning Outcomes (SLOs) Data

A) Summarize the progress made on course level outcomes and assessments (SLOs):
SLO performance was 89.5% for SLO 1, 98.9% for SLO 2 and SLO 3 in fall 2022.

B) Please list specific courses or SLOs that were identified for student-centered growth and improvement.
Use the information from Part C of the "Program Learning Outcomes Assessment Data" section of the IPR.
The weld program is currently in need of a(n) industry experienced full-time instructor.
  1) List the actions identified to help grow or improve those areas.
      Click or tap here to enter text.
  2) Discuss the progress the program has made on those actions. Include any data used to support progress.
      The welding program now has a full-time welding instructor.

C) Please list any actions identified to support equitable outcomes.
Use the information from Part D of the "Program Learning Outcomes Assessment Data" section in the IPR.
The equity gap currently is the lack of a permanent classroom and lab structure for continued growth and expansion of the training portion of this program. New on campus facilities would improve the equity gap.
  1) List the specific student groups the program identified as students they would like to focus their efforts on.
      No equity gaps are specified: N/A, There are no equity gaps to mention, these courses are gender friendly and all inclusive. The perception that the skilled trades are male only is a falsehood, BCC encourages and welcomes female and all gender specific groups. BCC weld program has had many successful female welders come out of the program.

Instructional Program Review- Annual Update Template

    2)   Discuss any progress with equitable action within the program and any measures taken to ensure the identified student group(s) would receive appropriate support. Include any data used to support progress.
        N/A

  D) Describe any other program, course, and/or instructional changes made by your program as a result of the outcomes assessment process.
      It was indicated that a full-time welding instructor was needed. The program now has a full-time welding instructor.

  E) Reflecting on the responses for B) and C) above, what will you implement for the next assessment cycle?
      We will continue to keep the welding program gender friendly and all inclusive.

II. Progress Toward Achieving Program Goals, Objectives, and Outcomes

These should be carried forward from your full Program Review (Section III), or from your Annual Update #1, if revised since your full Program Review.

A) List the 2-3 goals from your Program Review or most recent update.

    1. **GOAL #1**
        To enhance enrollment counts

    2. **GOAL #2**
        Replace aging welding equipment with new Lincoln machines.

    3. **GOAL #3**
        Research how the classes could become transferable to attract more students, and to align with UC programs such as mechanical engineering, electrical engineering etc.

B) Have any goals been completed or discontinued?
If yes, please list the goal and whether it has been completed or discontinued; if discontinued, please explain why.
    Yes ☒   No ☐

    Although they are not Lincoln machines, we now have enough machines to support current enrollment for this COA.

C) Discuss the objectives and related outcomes for each goal.

    1. **GOAL #1 Objective(s) with related Outcome.**
        Use marketing, rebranding and outreach to stimulate student interest.

        Maintain and or increase funding for new technology.

Instructional Program Review- Annual Update Template

To hire more full time faculty for the CTE group. A multi-discplined trades journeymen who can teach multiple subjects (Maintenance. Electrical, Instrumentation, HVAC, Welding, Construction).

Improvement and additions to facilities.

- **Discuss any progress toward meeting the goal based on the goal objectives.**
  One full time welding instructor has been hired as of Fall 2023.

- **Briefly explain how you have been measuring the goal and any notable indicators of forward progress.**
  Recent courses have been full with frequently full waitlists.

2. **GOAL #2 Objectives with related Outcome.**
   1. Acquire funding from the district to expand and replace old equipment.
   2. Use funding resources to maximize classroom size and space for labs.
   3. Provide new equipment and technologies for the program as new technologies come forth.

- **Discuss any progress toward meeting the goal based on the goal objectives.**
  Some new machines have been purchased, but more machines are needed for non-ferrous GTAW that the new machines are not capable of. More size and space is still needed to accommodate the increased demand and interest in the welding program.

- **Briefly explain how you have been measuring the goal and any notable indicators of forward progress.**
  Classes have been close to or at capacity and are in need of more space and equipment to increase capacity.

3. **GOAL #3 Objectives with related Outcome.**
   Contact CSU institutions to determine what direction the weld program needs to follow to provide a pathway to high educational goals such as engineering. (Mechanical, Civil, etc.).

   Coordinate with councelors and get more engagement from administration, BOT, and other committes to recognize the viability of the CTE programs, especially for students who do not plan on attending a four year university or just need an uplift on current job skills.

   Student degrees in the field of Welding/IMMT/IMEI would be recognized by industry and professional societies like the IBEW, Ironworkers, Millwrights and other labor unions and institutions. We currently provide third party credentials from the NCCER.

Instructional Program Review- Annual Update Template

- **Discuss any progress toward meeting the goal based on the goal objectives.**
  Discussions with councelors are still needed.

- **Briefly explain how you have been measuring the goal and any notable indicators of forward progress.**
  Students can earn AWS qualifiactions for different welding processes including SMAW.

D) **List any resource you are requesting for each goal.**

1. Goal 1 ☐   Goal 2 ☐   Goal 3 ☐

   Please list the resource and how it relates to the goal.
   Click or tap here to enter text.

2. Goal 1 ☐   Goal 2 ☒   Goal 3 ☐

   Please list the resource and how it relates to the goal.
   Additional space/welding stations to accommodate more students.

3. Goal 1 ☐   Goal 2 ☐   Goal 3 ☐

   Please list the resource and how it relates to the goal.
   Click or tap here to enter text.

III.   New Goals (optional)
This section is optional and should be used to replace a completed or discontinued goal OR if a new goal has become necessary for the program.

A. **NEW GOAL #1**
   Increased budget for students' consumables

   1. Alignment to BCC Strategic Priority *(Select at least one but choose all that apply)*
   Strategic Priority 1: Innovate to Achieve Equitable Student Success

   Choose an item.

   Choose an item.

   Choose an item.

   2. Relationship to Guided Pathways

   ☐   Clarify the Path

Instructional Program Review- Annual Update Template

☐   Entering the Path

☐   Staying on the Path

☒   Support Learning

3. Please list at least one objective for achieving this goal.
   Keeping a constant supply of the necessary consumables needed for the students to get the required welding practice in the lab.

4. Please list outcome statements for each objective.
   The students will be able to weld on new material more often and use less of the BNSF scrap to practice their welds. Students will always have the electrodes and spare parts for the machines that are needed.

5. Briefly explain how you will measure the outcome.
   Keep a stock of the machine parts on hand and a stock of enough electrodes, metal and other consumables so we do not run out during a course.

6. Please list resources (if any) that will be needed to achieve the goal/outcome.
   Increased budget for consumables. Inflation has caused the cost of consumables to increase and we need a budget to keep up with those increased costs.

....

B. NEW GOAL #1
Click or tap here to enter text.

1. Alignment to BCC Strategic Priority *(Select at least one but choose all that apply)*
Choose an item.

Choose an item.

Choose an item.

Choose an item.

2. Relationship to Guided Pathways

☐   Clarify the Path

☐   Entering the Path

☐   Staying on the Path

☐   Support Learning

3. Please list at least one objective for achieving this goal.
    Click or tap here to enter text.

4. Please list outcome statements for each objective.
    Click or tap here to enter text.

5. Briefly explain how you will measure the outcome.
    Click or tap here to enter text.

6. Please list resources (if any) that will be needed to achieve the goal/outcome.
    Click or tap here to enter text.

IV. Resource Requests: What does the program need to meet its goals and objectives?

What does the program need to meet its goals and objectives?
List all resources from Sections II.D and III.6 below.
If there was no room on the template to list all resources being requested for a single goal/objective, you may list additional resource requests here. Also list any resources required to implement planned improvements.

IMPORTANT: A BUDGET ALLOCATION PROPOSAL must be completed and submitted for **EACH** new resource requested.

Goal #	Objective #	Resource Required	Estimated Cost	BAP Required? Yes or No	In No, indicate funding source
1	1	Funding for increased costs of welding consumables.	$10,000	Yes	Click or tap here to enter text.
2	2	Welding lab space/stations	Variable	No	Possibly rearranging or expansion.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

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