

## Program Assessment Report

Program: Skilled Trades (Apprenticeship) - Electrician - Advanced Certificate

Year: 17/18

Division: Business and technology

Contact: Diane Lobsiger-Braden

## Delta College



### Actions Taken in Response to Last Year's Report

This is first report on this outcome

### Rationale for Current Assessments

#### Assessment 1 of 1

#### Goal / Project

#### Outcome(s)

Apply electrical theory to solve AC circuits

#### Standard / Objective

*80% of students will obtain a score of 75% or higher on lab exam.*

#### Method of assessment

Course Embedded Paper(s)/Projects

#### Comment/Details about the method of assessment

Lab exam is given at the end of the semester. Students must utilize skills learned throughout the course and apply these skills to individually design circuits per design criteria. The students will then work as a team to build the circuits and verify the proper operation of the system. Both individual students and teams will submit the lab exam and students will be scored by a rubric designed by program faculty.

#### Courses Affected

SKET120/ET120

#### Time Frame

Fall 2017 to Winter 2018

#### Submitted By

Diane Lobsiger-Braden

#### Result

#### Result

(2) Results met expectation/standard

#### Data Collection (general or specific stats regarding results)

Data was collected from 81 students over 4 semesters from Winter 2016 through Fall 2017. 86.4% of students scored a 75% or higher on the final lab exam.

#### What We Learned (areas for improvements, strengths, etc.)

The largest variation in data occurs between instructors that are teaching the course. There is also a collective downward trend over time in student scores for one instructor. This downward trend may only be for one semester where 9 students received a poor score. There was no additional data after this timeframe.

**Use of Data to Improve Student Success**

Modifications will be made in the reporting structure. Instructors were submitting all student samples, completed rubric, and student scores. In the future instructors will be provided with a summary results matrix to submit individual and team scores for each student. In addition, instructor feedback must be provided for any student scoring below 75%. This additional information should help to pinpoint problems the students are having as well as making the instructor more accountable for student learning.

Institutional Student Learning Outcome	Action plan items of what is planned based on the data and results	
<input checked="" type="checkbox"/> Apply Knowledge and Skills	<input type="checkbox"/> Change assignments/activities	<input type="checkbox"/> Update course content
<input checked="" type="checkbox"/> Think Critically	<input type="checkbox"/> Change materials provided	<input type="checkbox"/> Update course outcomes
<input checked="" type="checkbox"/> Communicate Effectively	<input type="checkbox"/> Adjust grading rubric	<input type="checkbox"/> Update prior courses
<input type="checkbox"/> Act Responsibly	<input type="checkbox"/> Continue to Monitor	<input checked="" type="checkbox"/> Other

**Comments and Action Plan**

**Discipline/Program Comments**

We were pleased that the results met the expectations for the initial assessment of this outcome. We would like to improve the process by getting more detailed information about student learning from the instructors that teach the course.

**Advisory Board Comments**

The Advisory Board commented that the data and the report is very thorough.

**Assessment Committee Comments**

**Curriculum Council Comments**

NA

**Action Plan**

Coordinator to submit summary results matrix to all instructors that will teach this course. Instructors will be advised to submit all individual and team scores for each student. Instructors will also be required to provide any feedback for students scoring below 75%. Coordinator will track this data every semester and get immediate feedback from any instructor where problems occur.

**Actions Taken in Response to Older Reports**