

CARPENTRY PROGRAM



2019

ANNUAL REPORT OF PROGRAM DATA



UNIVERSITY of HAWAII®
HAWAII
COMMUNITY COLLEGE

1. Program Description

Statement and brief description of the program including a listing of the program level Student Learning Outcomes (SLOs).

The Carpentry program allows students to participate in the “foundation-to-finish” experiences necessary to build a basic residential house while completing the required carpentry coursework. Students will graduate from the Carpentry program with the knowledge and experience necessary to begin employment at the entry level in the construction industry, or enter a four-year apprenticeship program. Credit may be given in the apprenticeship program for work completed at Hawai'i Community College.

Program Learning Outcomes

- Understand and utilize math computations, formulas, and measurements required in the carpentry field.
- Understand the properties of wood, its sustainability and how it dictates the fundamental principles and procedures involved in carpentry.
- Demonstrate safe practices concerning, personal safety, hand and power tool usage, and all aspects of fabrication/construction.
- Use appropriate tools, materials/fasteners and current building technology to complete projects.
- Practice good work ethics and quality workmanship with regard to industry standards.
 - Construct projects by interpreting drawings, applying building code requirements where applicable.
 - Synthesize principles, procedures and objectives using critical thinking, appropriate materials, tools/equipment and procedures to construct a residential dwelling.
 - Demonstrate awareness of environmental and cultural impacts at the community and global level during planning and construction phases.

2. Analysis of the Program

Strengths and weaknesses in terms of demand, efficiency, and effectiveness based on an analysis of the Quantitative Indicators. CTE programs must include an analysis of Perkins Core indicators for which the program did not meet the performance level. Include Significant Program Actions (new certificates, stop outs, gain/loss of positions, results of prior year's action plan).

- Demand indicators are “healthy” based on the availability of job positions in the construction industry.
- Number of Full-Time students have been consistent from Fall to Spring.
- Efficiency Indicators is also “healthy” due to the Fill Rate.
- There is a discrepancy between items 19 and 19a under Effective Indicators because the percentage should be higher due to the number of degrees and certificates that were issued under item 35.

- Perkins Indicators, the instructors will encourage the female students to remain engaged in the program and to help all students understand the substantial benefits of completing the two-year AAS program.

3. Program Student Learning Outcomes

- a) List of the Program Student Learning Outcomes
- b) Program Student Learning Outcomes that have been assessed in the year of the Annual Review of Program Data.
- c) Assessment Results
- d) Changes that have been made as a result of the assessments.

a) Program Learning Outcomes

- Understand and utilize math computations, formulas, and measurements required in the carpentry field.
 - Understand the properties of wood, its sustainability and how it dictates the fundamental principles and procedures involved in carpentry.
 - Demonstrate safe practices concerning, personal safety, hand and power tool usage, and all aspects of fabrication/construction.
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 - Demonstrate awareness of environmental and cultural impacts at the community and global level during planning and construction phases.
- b)** PLOs 1, 2, 3, 4, 5, 6, 7 and 8 were assessed through CLO assessments of CARP 55 (Initial) and CARP 57 (Closing the Loop), both in Fall 2018.
- c)** Assessment Results: PLO 1 through 8 as assessed through CARP 55 and CARP 57 aggregated results show that between 87.5% and 100% of students met or exceeded standard for each CLO and PLO. See graphic below on p 4.
- d)** Changes and action items for CARP 55 and CARP 57 include:
- The instructor has been getting familiar with the new "Campus Labs" website and foresees the upcoming assessments to be less time consuming, but still accurate and representative of the students' work allowing for the assessment to be turned in on time.
 - The instructor has recently revised the rubrics for the assessments and will continue to revise as necessary.
 - The instructor is confident that the students completely understood expectations in the past assessments, but has decided to give the scoring rubrics to the students for future assessments and allow students to self-assess in order to compare results to the instructor's results and also to allow the students to see

- the expectations written on paper so that they are more concrete.
- The instructor had previously invited assessors to score the students' performance and soft-skills, currently the instructor is scoring these assessments. In the future, the instructor will invite an assessor to assess student performance in order to compare the results of the instructor and to ensure that industry standards are being met.
 - The Carpentry Program will continue to communicate with the assessment coordinator to review our assessment strategies.
 - We will continue to analyze our results to ensure that they accurately reflect student learning outcomes.

CARP Program: AY18-19 Assessment Results

Dark Green = Exceeds // Light Green = Meets // Orange = Partly Meets // Red = Does not Meet

The screenshot displays the 'Outcomes' management system for the 'Carpentry' program in the 'Academic Year 2018-19'. The interface includes a sidebar with navigation options like 'ALL ORGANIZATION UNITS' and 'COURSES WITHOUT SECTIONS'. The main content area shows a list of eight Program Learning Outcomes (PLOs) with their descriptions and corresponding assessment progress bars. The progress bars are color-coded: Dark Green (Exceeds), Light Green (Meets), Orange (Partly Meets), and Red (Does not Meet). The 'Term' is set to 'Overview'.

PLO ID	Description	Assessment Status
CARP_PLO1	"CARP PLO1: Understand and utilize math computations, formulas, and measurements required in the carpentry field."	Meets (Light Green)
CARP_PLO2	"CARP PLO2: Understand the properties of wood, its sustainability and how it dictates the fundamental principles and procedures involved in carpentry...."	Meets (Light Green)
CARP_PLO3	"CARP PLO3: Demonstrate safe practices concerning, personal safety, hand and power tool usage, and all aspects of fabrication/construction."	Meets (Light Green)
CARP_PLO4	"CARP PLO4: Use appropriate tools, materials/fasteners and current building technology to complete projects."	Meets (Light Green)
CARP_PLO5	"CARP PLO5: Practice good work ethics and quality workmanship with regard to industry standards."	Meets (Light Green)
CARP_PLO6	"CARP PLO6: Construct projects by interpreting drawings, applying building code requirements where applicable."	Meets (Light Green)
CARP_PLO7	"CARP PLO7: Synthesize principles, procedures and objectives using critical thinking, appropriate materials, tools/equipment and procedures to constru..."	Partly Meets (Orange)
CARP_PLO8	"CARP PLO8: Demonstrate awareness of environmental and cultural impacts at the community and global level during planning and construction phases."	Meets (Light Green)

4. Action Plan

Include how the actions within the plan support the College's mission. In addition to the overall action plan for the program, include specific action plans for any Perkins Core Indicator for which the program did not meet the performance level.

- The timetable for Mr. Harada's retirement is still undecided.

Perkins Indicators

- We will aggressively recruit students from the high schools by attending their Career Fairs that are put on by local high schools.
- We will continue to promote our program to encourage enrollment of non-traditional participants.
- We will continue to create an environment that will encourage our non-traditional participants to want to complete the program.

5. Resource Implications

(physical, human, financial)

None at this time.