

PCCUA ASSESSMENT FORM

Division: Applied Technology

Program: Construction

Date: 2022-23 Academic Year

PCCUA ASSESSMENT GUIDING QUESTIONS

Please respond based on the departmental discussion of the program assessment and how those outcomes reflect what students are learning and what needs to happen to improve student learning. You may provide this in a narrative or bulleted format. However, you must respond to each question and these responses should be based on your program assessment discussions. **Please respond in red font.**

Program Student Learning Outcomes

A. Are the intended educational (learning) outcomes for the program appropriate and assessed appropriately?

Yes, the Assessment Results/Action Plans following this section provides the information.

B. How are the faculty and students accomplishing the program's student learning outcomes?

Lectures, test scores, instructor's evaluations, and the students hands on projects.

C. How is the program meeting market/industry demands and/or preparing students for advanced study?

In regards to industry meetings individually and as a group our programing is designed to meet the needs of our business and industrial partners.

D. Do course enrollments and program graduation/completion rates justify the required resources?

Course enrollments and program completion are relative to the needs of our industry partners. As the demand for short term training increases by our industrial partners students complete with the required training requested by those hiring our students. In many cases associate degrees are not relevant to our business and industrial partners however formalized training in the form of certificate of proficiencies and technical certificates prove to our partners that our students are "work ready".

E. Based on the Program SLO's how well are students learning at the course and program level? **Good.** Based on your assessment outcomes, how do you know this? *Test scores and instructor evaluations.*

F. What are the changes you need to make to improved student learning?

No changes at this time, will continue to monitor.

G. What are the weak areas demonstrating a need for improvement?

Retention, better screening and student commitment to the program.

H. What are the strengths identified through assessment?

See the Assessment Results/Action Plans following this section.

Program Curriculum

A. Is the program curriculum appropriate to meet current and future market/industry needs and/or to prepare students for advanced study? *Yes, to some extent.* Is that reflected in the assessment outcomes? *See the Assessment Results/Action Plans following this section.*

B. Are program exit requirements appropriate?

I do not know.

C. Are students introduced to experiences within the workplace and introduced to professionals in the field?

Yes. Instructors have non-academic experience and share real life 'war stories'.

D. Does the program promote and support interdisciplinary initiatives?

I do not know.

E. Does the program support the college STACC skill development expected of all PCCUA graduates? *Yes.* Explain how you know this through assessment. *See the Assessment Results/Action Plans following this section.*

F. Does the program provide respect and understanding for cultural diversity as evidenced in the curriculum, in program activities, in assignment of program responsibly and duties; in honors, awards and scholarship recognition; in recruitment?

Yes.

Budget Requests Forms

Are more resources needed? *Yes*. If so, has there been an effort to acquire these resources through the college budgeting process?
I do not know.

What program requests did you make for the next year which are tied to needs related to assessment outcomes?

Consumable item like, lumber – 2x4's, plywood, etc.; screws, nuts and bolts, hand tools – for the students to use for the hands-on projects; saw blades – table, miter, & band; sanding paper – sheets & belts; dust collection accessories – hoses, equipment connections, collection waste bags, clamps; drill bits; screw driving bits for power drivers; and other items not mentioned – to be identified as needed.

Assessment Results/Action Plans Section to follow.

Division of Applied Technology – Core Competencies Assessment Results/Action Plan	Instructor:	Johnny McKenzie
	Course Name and #:	CC 103-H1 Construction I
	Semester:	2022 Fall
	Retention Rate:	80% [8 of 10 (11)] (2-Drop + 1-NO SHOW)

PCCUA Core Competency	Course-Program -Level Student Learning Outcome(s)	Course-Student Learning Outcome(s)	Assessment Tool(s) Used to Calculate	Assessment Criteria	Assessment Results	Faculty Action Plan
Technology Utilization	Demonstrate use of basic safety, basic math, hand tools, power tools, blue print reading, basic rigging, basic communication skills	12 Students will demonstrate the ability to solve problems related to Construction Systems	Pre/Post Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 7 of 8 Students w/'A' (90%>)	No changes at this time, continue to monitor.
Technology Utilization	Demonstrate functional knowledge of trades, building materials, fasteners, adhesives, and site layout.	13 Students will demonstrate the ability to calculate materials	Pre/Post Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 7 of 8 Students w/'A' (90%>)	No changes at this time, continue to monitor.
Analytical and Critical Thinking	Demonstrate use of basic safety, basic math, hand tools, power tools, blue print reading, basic rigging, basic communication skills	5.Students will have a basic understand of blueprints	Pre/Post Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 7 of 8 Students w/'A' (90%>)	No changes at this time, continue to monitor.

Division of Applied Technology – Core Competencies Assessment Results/Action Plan	Instructor:	Johnny McKenzie
	Course Name and #:	CC 103-H1 Construction I
	Semester:	2023 Spring
	Retention Rate:	71% [5 of 7 (9)] (4-Drop including 2-NO SHOW)

PCCUA Core Competency	Course-Program -Level Student Learning Outcome(s)	Course-Student Learning Outcome(s)	Assessment Tool(s) Used to Calculate	Assessment Criteria	Assessment Results	Faculty Action Plan
Technology Utilization	Demonstrate use of basic safety, basic math, hand tools, power tools, blue print reading, basic rigging, basic communication skills	12 Students will demonstrate the ability to solve problems related to Construction Systems	Quizzes & Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 3 of 5 Students w/'A' (60%)	No changes at this time, continue to monitor.
Technology Utilization	Demonstrate functional knowledge of trades, building materials, fasteners, adhesives, and site layout.	13 Students will demonstrate the ability to calculate materials	Quizzes & Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 3 of 5 Students w/'A' (60%)	No changes at this time, continue to monitor.
Analytical and Critical Thinking	Demonstrate use of basic safety, basic math, hand tools, power tools, blue print reading, basic rigging, basic communication skills	5.Students will have a basic understand of blueprints	Quizzes & Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 3 of 5 Students w/'A' (60%)	No changes at this time, continue to monitor.

'CC-113 Construction 2' was not taught during the 2022 Fall Semester, nor is it taught during the Fall Semesters.

Division of Applied Technology – Core Competencies Assessment Results/Action Plan	Instructor:	Johnny McKenzie
	Course Name and #:	CC 113 Construction 2
	Semester:	2023 Spring
	Retention Rate:	100% [9 of 9 students]

PCCUA Core Competency	Course-Program -Level Student Learning Outcome(s)	Course-Student Learning Outcome(s)	Assessment Tool(s) Used to Calculate	Assessment Criteria	Assessment Results	Faculty Action Plan
Technology Utilization	Use advanced applications and construction methods for various types of horizontal formwork for types of elevated decks and the formwork systems and methods used in their construction	14. C Students will demonstrate the ability to solve problems related to Reading Blueprints	Class Project Extensive Hands on Evaluation Rubric	70% of the students will score 70% or higher	88.9% 5 of 9 Students w/A (55.6%>)	No changes at this time, continue to monitor.
Analytical and Critical Thinking	Demonstrate site layout, reinforcing materials, electrical installations and safety	6. C Students will have a more advanced understanding of reading metric and standard tape measures.	Class Project Extensive Hands on Evaluation Rubric	70% of the students will score 70% or higher	88.9% 5 of 9 Students w/A (55.6%>)	No changes at this time, continue to monitor.
Communication	Apply basic employability and interpersonal communication skills	Will demonstrate how to communicate with clients and coworkers to complete projects efficiently	Class Project Extensive Hands on Evaluation Rubric	70% of the students will score 70% or higher	88.9% 5 of 9 Students w/A (55.6%>)	No changes at this time, continue to monitor.

Division of Applied Technology – Core Competencies Assessment Results/Action Plan	Instructor:	Johnny McKenzie
	Course Name and #:	IT-133-H2 Industrial Electricity
	Semester:	2022 Fall
	Retention Rate:	89% (8 of 9) 1-Drop

PCCUA Core Competency	Course-Program - Level Student Learning Outcome(s)	Course-Student Learning Outcome(s)	Assessment Tool(s) Used to Calculate	Assessment Criteria	Assessment Results	Faculty Action Plan
Analytical and Critical Thinking	Students will recognize safety hazards and potential safety issues and apply safe work practices and procedures in accordance with OSHA standards to safely handle tools, personal protective equipment, and a variety of materials used in manufacturing and construction	1.Students will demonstrate knowledge of a safe tool and equipment operations	Quizzes & Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 7 of 8 Students w/A (90% >)	No changes at this time, continue to monitor.

Division of Applied Technology – Core Competencies Assessment Results/Action Plan	Instructor:	Johnny McKenzie
	Course Name and #:	IT-113 Industrial Safety & Sanitation
	Semester:	2023 Spring
	Retention Rate:	67% [6 of 9 (10)] (4 dropped, 3 were 1-Time Show and 1-NO SHOW)

PCCUA Core Competency	Course-Program - Level Student Learning Outcome(s)	Course-Student Learning Outcome(s)	Assessment Tool(s) Used to Calculate	Assessment Criteria	Assessment Results	Faculty Action Plan
Social and Civic Responsibility	Students will recognize safety hazards and potential safety issues and apply safe work practices and procedures in accordance with OSHA standards to safely handle tools, personal protective equipment, and a variety of materials used in manufacturing and construction	1.Students will demonstrate knowledge of a safe tool and equipment operations	Quizzes & Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 5 of 6 Students w/'A' (83.3%)	No changes at this time, continue to monitor.

Division of Applied Technology – Core Competencies Assessment Results/Action Plan	Instructor:	Johnny McKenzie
	Course Name and #:	IT-133-H2 Industrial Electricity
	Semester:	2022 Fall
	Retention Rate:	89% [8 of 9] (1-Drop)

PCCUA Core Competency	Course-Program - Level Student Learning Outcome(s)	Course-Student Learning Outcome(s)	Assessment Tool(s) Used to Calculate	Assessment Criteria	Assessment Results	Faculty Action Plan
Analytical and Critical Thinking	Identifies electrical components and form a schematic diagram	4.Students will understand blueprints and electrical measurements	Pre/Post Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	100% 7 of 8 Students w/ 'A' (90% >)	No changes at this time, continue to monitor.

IT-133, Industrial Electricity, 2023 Spring - Only one (1) section, taught by Mike Shaw.

Division of Applied Technology – Core Competencies Assessment Results/Action Plan	Instructor:	Johnny McKenzie
	Course Name and #:	IT-163 Blueprint Basics
	Semester:	2022 Fall
	Retention Rate:	90% [9 of 10] (1-Drop)

PCCUA Core Competency	Course-Program -Level Student Learning Outcome(s)	Course-Student Learning Outcome(s)	Assessment Tool(s) Used to Calculate	Assessment Criteria	Assessment Results	Faculty Action Plan
Social & Civic Responsibility	2. Use tools required for basic electrical, heat and air system installation, testing, blueprint reading, and repair	2.Students will be able to read and understand blueprints	Pre/Post Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	89% 8 of 9 Students w/'A' (90>)	No changes at this time, continue to monitor.
Cultural Awareness	3 Apply basic employability and interpersonal communication skills	1.Students will be able to work with diverse customers on specific projects	Pre/Post Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	89% 8 of 9 Students w/'A' (90>)	No changes at this time, continue to monitor.

Division of Applied Technology – Core Competencies Assessment Results/Action Plan	Instructor:	Johnny McKenzie
	Course Name and #:	IT-163 Blueprint Basics
	Semester:	2023 Spring
	Retention Rate:	90% [9 of 10 (13)] (4-Drop, 1 after 2 classes, 1 due to excessive un-excused absences; including 2 NO SHOW)

PCCUA Core Competency	Course-Program -Level Student Learning Outcome(s)	Course-Student Learning Outcome(s)	Assessment Tool(s) Used to Calculate	Assessment Criteria	Assessment Results	Faculty Action Plan
Social & Civic Responsibility	2. Use tools required for basic electrical, heat and air system installation, testing, blueprint reading, and repair	2.Students will be able to read and understand blueprints	Quizzes & Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	90% 9 of 10 Students 4 w/'A' (44.4%)	No changes at this time, continue to monitor.
Cultural Awareness	3 Apply basic employability and interpersonal communication skills	1.Students will be able to work with diverse customers on specific projects	Quizzes & Test Basic Hands on Evaluation Rubric	70% of the students will score 70% or higher	88.9% 9 of 10 Students 4 w/'A' (44.4%)	No changes at this time, continue to monitor.

End of Assessment Results/Action Plans Section.