Annual Summary Report of Achievement of Student Learning Outcomes and Degree Program Objectives

As prescribed in Section 8.5.1 and 9.4.1 of ACCE Document 103, Standards and Criteria for the Accreditation of Construction Education Programs

ACCE Form A-17

2023 2024	Academic Year	Degree Level	Bachelor's	Program Name	Construction Management	Institution Name	Pennsylvania College of Technology	
	Student Learning Outcome	Method of Assessment		Current Evaluation of Results Resulting Corrective Actions		Last Reported Evaluation of Results	Follow-up of the impact of actions take	
SLO#	SLO Description		licite					Date
520 "		Concrete Quality Control &	Direct	Monting torget	None required	Monting torget	None	Date
#1	Create written communication appropriate to the construction	Resolution (Assignment Part 1)	Direct	meeting target		meeting target	None	
	discipline	Proposal Letter)	Direct	Meeting target	None required	Meeting target	None	
#2	Create oral presentations appropriate to the construction	Tool Box Talk Presentation	Direct	Meeting target	None required	Meeting target	None	
	ascipine							
		Project Development Final Project	Direct	Meeting target	None required	Meeting target	None	
#3	Create a construction project safety plan.	Site Specific Safety Plan	Direct	Meeting target	None required	Meeting target	None	
		Job-Hazard Analysis	Direct	Meeting target	None required	Meeting target	None	
		Excavation Project (Estimate Pricing)	Direct	Meeting target	None required	Meeting target	None	
#4	Create construction project cost estimates.	Pre-Engineered Metal Building Quantity Take-Off and Labor Erection Estimates	Direct	Meeting target	None required	Meeting target	None	
		Create a Construction Project Schedule	Direct	Meeting target	None required	Meeting target	None	
#5	Create construction project schedules.	Create a Construction Project Schedule Utilizing MS Project (Gantt Chart and Precedence Diagram with Activity on the Node (AON))	Direct	Meeting target	None required	Meeting target	None	
#6	Analyze professional decisions based on ethical principles	Ethics Case Study Analysis and	Direct	Meeting target	None required	Meeting target	None	
#0	Analyze professional decisions based on ethical principles.	Ethics in Construction	Direct	Meeting target	None required	Meeting target	None	
	Analyze methods, materials, and equipment used to construct	HVAC Exam	Direct	Meeting target	None required	Meeting target	None	
#7	projects.	Jobsite Layout, Control, Site Logistics, & Temporary Structures	Direct	Meeting target	None required	Meeting target	None	
#8	Apply electronic-based technology to manage the construction process.	Utilizing Bluebeam Revu, Create As- Built Documents	Direct	Meeting target	None required	Meeting target	None	
-		Net Zero Solar Panel Installation Project Approach	Direct	Meeting target	None required	Meeting target	None	
#0	Apply basic surveying techniques for construction layout and control.	Building Layout "L" Shaped with Chains	Direct	Meeting target	None required	Meeting target	None	
#5		Remote Elevation Measurement with Total Station	Direct	Meeting target	None required	Meeting target	None	
		Quiz 3	Direct	Meeting target	None required	Meeting target	None	
#10	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	Project Development Final Project	Direct	Meeting target	None required	Meeting target	None	
#11	Understand construction accounting and cost control	Construction Accounting & Cost	Direct	Meeting target	None required	Meeting target	None	
		Quiz 1	Direct	Meeting target	None required	Meeting target	None	
#12	Understand construction quality assurance and control.	Concrete Quality Control & Resolution (Assignment Part 2 & Part 3)	Direct	Meeting target	None required	Meeting target	None	
		Understanding Construction Quality Assurance and Control	Direct	Meeting target	None required	Meeting target	None	
#13	Understand construction project control processes.	BCM 350 Berwick Concession Stand Submittal Assignment	Direct	Meeting target	None required	Meeting target	None	Γ
		Quiz 2	Direct	Meeting target	None required	Meeting target	None	
		Exam 3	Direct	Meeting target	None required	Meeting target	None	
#14	regulatory law to manage a construction project.	Qualifying Supplier / Subcontractor Proposals	Direct	Meeting target	None required	Meeting target	None	
		Electrical Research Paper and Presentation	Direct	Meeting target	None required	Meeting target	None	
#15	Understand the basic principles of sustainable construction.	Final Exam - Sustainable Construction	Direct	Meeting target	None required	Meeting target	None	
		Quiz 2 / Question 2	Direct	Meeting target	None required	Meeting target	None	
#16	understand the basic principles of structural behavior.	Quiz / Question 3	Direct	Meeting target	None required	Meeting target	None	
<i>µ</i> 47	Understand the basic principles of HVAC, electrical and	ICT Quiz	Direct	Meeting target	None required	Meeting target	None	<u> </u>
#17	plumbing systems.	HVAC Exam	Direct	Meeting target	None required	Meeting target	None	
0								

Degree Program Objectives		Degree Program Objectives	Assessment Tool						
	DPO #	DPO Description	Method of Assessment	Direct or Indirect	Past Cycle Results	Last Reported Evaluation of the Results	Current Evaluation of the Results	Resulting Corrective Actions	Star
	#1	Provide students with technical knowledge and management skills necessary for entering management positions in all sectors of the construction industry.	AIC CAC Level 1 Exam Results and Graduate Survey	Direct	Meeting Objective	Objective Met	Objective Met	None	

Description of any revisions made to Degree Program assessment tools of Follow o adjustments made. hanged previous estimate project that this assignment was based off. equire better props and aids. Presenting to other peers or courses conflict due to schedules. Smaller class size allowed for more student/group-teacher interaction. Students assumed the role of a General Contractor and were allowed to utilize the group project general safety plans Less attention was focused on the form and more on the content. Changed the previous estimate project that this assignment was based off. Utilized a new excavation project that progressed through a series of processes. The pricing portion was utilized for this utcome. A new assignment was created and tailored to meet the new senior project being utilized for the current year. An estimating template was also provided. No adjustments made Reviewed previous instructor's project. Aspects were taken from the project to create an entirely net signment that addresses the student learning outcomes. No adjustments made. No adjustments made. Empasized the importance of completing and understanding all text and workbook assignments. Additional lectures and open forum discussions occurred to elaborate further on some of the more nallenging aspects of the project. Change the case scenario / example to scale back the size of the project to be more manageable. New assessment. viewed previous instructor's project. Positive aspects were noted from the project to create an entirely new assignment that addresses the student learning outcome. Reviewed previous instructor's project. Positive aspects were noted from the project to create an entirely new assignment that addresses the student learning outcome. rovided a review lecture regarding delivery methods prior to the quiz. maller class size allowed for more student/group-teacher interaction. irected students to look up available cost control software for discussion in-class before handing out ne assessment sessment was changed to a guiz of accounting and cost control. o changes were made to the assignment for this period. nswer key was updated. Added part 2 to the assignment. New assessment created. Added additional examples and outside resources during lectures from recent projects. nvested more time prior to executing the assignment to expose the students to other examples of subcontracts and purchase orders. Discussed vocabulary and how this affects the agreement terms and parties involved. In addition to this instrument, additional exams/quizzes referenced topics such as LEED, sustainable struction products (MEP driven), and energy efficience

AMERICAN COUNCIL FOR

CONSTRUCTION EDUCATION

PARTNERSHIP FOR EXCELLENCE

ACCE

Emphasized heavily on the 6 principals of LEED in the course lecture.
Continued to emphasize the process of identifying the problem, stating what is known, and
determining what is necessary to solve the problem. Confirm one is answering the question asked
and that the answer makes logical sense.
Emphasized the process of identifying the problem, stating what is known, and determining what is
necessary to solve the problem. Review the answer. Confirm proper units. Confirm one is answering
the question asked.

Emphasized the importance of completing and understanding all text and workbook assignments. Additional time taken to explain the importance of completing and understanding all text and workbook assignments. Action Items

	Action items
rt Date	Description of revisions

#2	Exceed the national average with graduating seniors taking the annual American Institute of Constructors (AIC) Associate Constructor (AC) Level 1 Examination.	AIC CAC Exam	Direct	Meeting Objective	Objective Met	Objective Met	None	
#3	Attain and maintain accreditation by the American Council for Construction Education (ACCE).	Accreditation	Direct	Meeting Objective	Objective Met	Objective Met	None	
#4	Increase institutional resources to improve facilities and technical support for the Construction Management program.	Donations and Investments in Program	Direct	Meeting Objective	Objective Met	Objective Met	None	
#5	Enhance faculty professional and technical development in the field of construction management.	Credentials maintained, Faculty Supported in Development	Direct	Meeting Objective	Objective Met	Objective Met	None	
#6	Improve program participation with construction organizations and the industry.	Direct Measure and	Direct	Meeting Objective	Objective Met	Objective Met	None	

REV. 2023.12.17

 Bit Bit is protected to ensure the format is consistent with all submittals. You can celect all locked and unlocked cells, format row (includes hide and unhide rows), insert hyperlinks, and sort.

 Aid the cells that are not highlighted in light blue will be protected. You can citck on all cells but will only be abe to change the light blue cells.

 The date to be entered in the header have been named. You can go to the named cell by clicking the Range Name drop-down menu.

 Citc on the "Year" cell. (B4) Select the appropriate Degree Level.

 Citc on the "Program Name" (C4). Find the name of your Program in the drop-down menu. I you have an "other" name, inform ACCE HQ and we will revise this form for your Program.

 Ridding Construction Bagee Perogram names in ACCE that are in the drop-down menu.

 Wilding Construction Bagee Perogram names in ACCE that are in the drop down menu.

 Building Construction Management

 Construction Science and Management

 Construction Sc