

PROGRAM REVIEW

Program: Construction
12 Credit

Level-01

Award-CP, TC & AAS Approval

CIP-46.000

Date-11/15/2018

BRIEF PROGRAM SUMMARY

Enrollment Based on Productivity Outcomes/ Annual Completions Average:

CP=55 CPs have been awarded with a four-year average of **13.75 CPs**

TC= 5 TCs have been awarded with a four-year average of **1.25 CPs**.

AAS= 3 AAS degrees have been awarded with a four-year average of **.75 AASs**. The first graduation cohort was 2021 for 100% time and 2022 for 150% time (measure used by IPEDS)

ADHE does not consider the construction program nonviable because of the large number of CPs awarded within this cognate program.

In fact, this program was not listed on the ADHE nonviable list. It is central to our mission and low cost. In November, a phone conference held with individual CAOs from each of the colleges and universities by Mason Campbell and Kimberley Long, representatives from ADHE, discussed viability with the PCCUA Chief Academic Officer. Construction had not been listed as a nonviable program so the PCCUA CAO asked about it. Both representatives indicated that because the construction program is **high demand and high wage**, the number of CP graduates made the program viable. Most of the students are in the Transitional Training Opportunity Program (TTOP) which consists of system impacted, post incarcerated individuals. Unfortunately, many are placed in jobs before they advance to a TC or AAS. The job placement for this program is over 95%. The cost of operating this program as an AAS option is almost nonexistent because there are only two construction courses. It is the general education component which many students fail to pursue. The program was approved in late fall of 2018 and the program began enrolling students in the Fall of 2019 so it is only four years old. The first year of expected AAS graduates at 150% time (IPEDS measure) would have been May 2022.

Program costs was 2019-2023 is \$ 55,648.751 (four-year operations not five)

Program costs \$13,912.19 per year

Program Income: \$100.080

Program Income per year over four years: \$20,016

All of the Consortium costs for the construction program have been defrayed by the Arkansas Delta Training and Education Funding. All the equipment was purchased through the Arkansas Delta Training and Education Consortium (ADTEC) with a Department of Labor grant called Arkansas Workforce Opportunities for Rural Communities (ADWORC).

Future Plans: There are several options to improve programming. One is to explore adding this program to the Secondary Area Technical Center curriculum offerings. It may be useful to recruit construction workers to the program via industry management. It would not be difficult to make the course offerings using a fast-track delivery. Finally, it may be useful to develop integrated general education course offerings so that students could take these general education courses as part of the construction cohort.

PCCUA MISSION

Phillips Community College has academic, occupational/technical, and continuing education programs. New programs are continually being researched and planned so that PCCUA will remain responsive to the needs and interests of the people of Eastern Arkansas.

Phillips Community College is a multi-campus, two-year college serving the communities of Eastern Arkansas. The college is committed to helping every student succeed. We provide high-quality, accessible educational opportunities and skills development to promote life-long learning, and we engage in the lives of our students and our communities.

HISTORY OF THE PROGRAM

Individuals serving on the Business and Industry Advisory Council have commented on how useful construction skills taught through this program are for those seeking employment. The PCCUA Construction Technology degree prepares students to apply technical knowledge and skills for construction work such as building, inspecting, and maintaining of structures, roads, bridges, metal frames, and other construction jobs. The program has specialized tracks in general construction, commercial HVAC, and welding, although operation of construction equipment is part of the instruction. The program includes some instruction in masonry, carpentry (wood and metal), electrical and power transmission installation, building/construction finishing, management, inspection and other construction-related applications, properties of concrete, differential leveling, handling and placing, slab on-grade.

Mandatory Skills Courses (33 hours)

IT 113	Industrial Safety and Sanitation	3
IT 133	Industrial Electricity	3
IT 163	Basics of Blueprints & Ind. Measurements	3
IT 223	Principles of HVAC	3
WG 115	Introduction to Welding	5
CC 103	Construction I	3
CC 113	Construction II	3

WG 125	Arc Welding I	5
WG 145	Inert Gas Welding I	5
Total Mandatory Construction Skills		33

Graduates

Enrollment is slightly lower than anticipated, it does meet the ADHE viability standard. Additionally, there is almost no additional cost to operate this program. Three instructors teach the courses which enroll students in other programs.

YEAR	Construction Graduates			
	ADHE Required	CP	TC	AAS
2022-2023	4	14	4	1
2021-2022	4	11	0	1
2020-2021	4	12	1	0
2019-2020 COVID	4	18	N/A 1 st Yr.	1
No classes Program Approval in Fall 2018 for a start date of Fall 2018.				
Total	16	55	5	3

Note: There was a delayed start date because we could not find an instructor. The approval date was November of 2018. We purchased tools and equipment and hired an instructor in the Spring of 2019 and had the first class enrolled in the Fall of 2019. The 2019-20 AAS cohort were projected to graduate in May of 2021 at 100% and 2022 at 150% time.

Total Course Enrollment

It is difficult to calculate program costs by examining program enrollment. The program enrolls students from other applied technology majors. Sometimes it takes two terms for a student to complete so it is not unusual to have students enrolled part-time in two terms. However, some students complete the CP in one semester.

Instruction

The construction courses cost one third (1/3) of an annual salary for a specific instructor who teaches other applied technology courses. There are many materials and equipment needed for the program. However, the Arkansas Delta Training and Education Consortium's Department of Labor grant called Arkansas Workforce Opportunities for Rural Communities (ADWORC) has covered 100% of these costs.

Program Costs

	2022-23	2021-22	2020-21	2019-20	2018-19
Personnel	14,349.06	14,205.57	6,000.00	6,000.00	N/A
Benefits	5,022.17	4,971.95	2,100.00	2,100.00	N/A
Travel	300.00	300.00	300.00	00.00	N/A
Equipment	N/A	N/A	N/A	N/A	N/A

Supplies	N/A	N/A	N/A	N/A	N/A
Program Costs	19,671.23	\$19,477.52	\$8,400.00	8,100.00	N/A

Note: Grants have defrayed program costs. Personnel include 1/3 of a \$43,482 salary. The first two years of the construction program only required a part-time instructor.

Total Program Cost for Four Years: \$ 55,648.751

Total Program Cost per Year Over Four Years: \$13,912.19 per year

Program Income

Tuition and Fees are well below many other applied technology programs. This is a not a Pell eligible program. Most of the students are paid by employers. This is not a Secondary Center program and no high school students are enrolled. All students, or an industry sponsor, pay full tuition and fees.

2019-20 \$1,465 x 18=\$26,370.

2020-21 \$1,510 x 12=\$18,120 + \$3,020 (\$1,510 x 2 terms)=\$21,140

2021-22 \$1,510 x 11=\$16,610 + \$3,020 (\$1,510 x 2 terms for TC student)= \$1,510= \$19,630

2022-23 \$1,555 X 14=\$21,770 CPs +

\$1,510 x 2 term=\$3,020 + \$1555 x 2 terms=\$3,110 for a total of \$6,010 x 4 TC students=\$24,040

\$1,510 x 2 terms=\$3,020 + \$1,555 x 2 terms=\$3,110 for a total of \$6,130 for an AAS for 1 student

Total Program Income over five year=\$100.080

Average Program income annually =\$20,016

Course Enrollments

Term	Enrolled IT-113	Enrolled IT-133	Enrolled IT-163	Enrolled IT-223	Enrolled WG-115	Enrolled CC-103	Enrolled CC-113
2018FAL	-	-	-	-	21	-	-
2019SPR	9	8	31	13	17	-	-
2019FAL	9	4	-	-	26	13	-
2020SPR	19	30	20	21	28	18	6
2020S1	14	13	14	13	13	13	-
2020FAL	9	10	9	11	11	-	-
2021SPR	6	19	7	8	16	9	4
2021S1	6	6	6	6	9	7	1
2021FAL	5	6	6	5	10	-	-
2022SPR	12	15	12	12	13	12	-
2022S1	15	15	13	15	15	15	-
2022FAL	16	15	10	10	24	10	-
2023SPR	10	20	17	14	13	8	9
2023S1	9	8	9	8	8	10	3
2023FAL	26	18	15	16	19	5	-

Program Plans

The PCCUA Strategic Planning resulted in recommendations for the program which included the following actions:

- Explore adding this program to the Secondary Area Technical Center curriculum offerings.
- Recruit construction workers via industry management to the program.
- Offer construction fast track programming.
- Develop integrated general education course offerings so that students could take these Courses as a cohort.