

**PHILLIPS COMMUNITY COLLEGE INSTRUCTION
ANNUAL REPORT**

Division of Applied Technology

November 2017

DIVISION MISSION STATEMENT (optional)

The PCCUA Division of Applied Technology will provide students with a diverse set of “reality-based” educational programs designed to enhance application-based skill sets that will be attractive to local and regional employers.

**Specific Initiatives and Strategies
In 2016-2017 Strategic Plan
And Level Of Accomplishment**

Priority Initiative in 2016-2017 Strategic Plan	Status
Increase the welding/manufacturing workforce and a career pathway for the transportation industry through the Arkansas Workforce Implementation 2016 Grant.	<ul style="list-style-type: none"> • Welding classes were expanded to include day and night classes in fall 2016 and spring 2017 which increased enrollment. • Workforce Training and Development Coordinator has been hired and is working with business and industry to meet training needs. Nine workshops have been conducted. • CDL truck driving program implemented on Stuttgart campus with six graduates thus far. CDL program will rotate to the Helena campus in spring 2018.
Establish an Advanced Manufacturing Lab.	<ul style="list-style-type: none"> • Through the STEM Grant, state of the art equipment/software has been installed. • Industry training/workshops are being conducted in this lab. • Advanced manufacturing classes are being taught in this lab.
Establish Industry Councils comprised of business, community, and manufacturing representatives.	Grand Prairie Workforce Advisory Council, Phillips County Industrial Council, and Southeast Arkansas Industrial Council are meeting on a quarterly basis.
Continue to implement NCCER curriculum in Advanced Manufacturing courses.	Ongoing. Core Curriculum and Level One implemented.
Offer more hybrid courses.	Ongoing. Two hybrid courses in Graphic Communications have been developed.
Evaluate program/division outcomes and assessment results.	Ongoing. Faculty analyzes outcomes and assessment results; develop action plans. Achieved a division outcome of 88.5 percent in 2016-17.
Maintain division web page.	Ongoing. Program coordinators work with faculty members on division updates.
Promote recruitment and retention efforts.	Ongoing. Participate in career fairs, on-campus tours, and high school recruitment days.

SUMMATION OF 2016-2017 PLANNING ACTIVITIES

Evidence of planning by the Applied Technology Division is documented by the following:

1. Division Meetings and Minutes
2. Instruction and Curriculum Meetings and Minutes
3. Annual Faculty Evaluation/Portfolio Reviews
4. Annual Division Summary Assessment Report
5. Program Reviews
6. Industrial Council Minutes
7. Recruitment Activities
8. Email—used extensively to dispense information of interest to the division and for group discussion
9. Annual budget and Grant Submissions

SUMMATION OF 2016-2017 CLASSROOM ASSESSMENT ACTIVITIES

Faculty members in the Graphics, Advanced Manufacturing, Renewable Energy Technology, and Welding programs have implemented the assessment process and are monitoring the outcomes. At the end of each semester, faculty submits to the Division Dean an Assessment Results/Action Plan of all courses validating outcomes results and plans to address unmet competencies. These individual reports are combined into the division summary report which illustrates the achieved percentage outcomes for the five competencies for each degree program. Refer to Page 4 for an example of this report (Program and Division Averages for 2016-17). For examples of program outcomes, please refer to Pages 5-7. All degrees follow the same format.

IMPROVEMENTS AND MODIFICATIONS AS A RESULT OF ASSESSMENT

The division retention rate has improved as a result of assessment. Graphic Communications and Advanced Manufacturing departments are implementing hybrid courses to improve retention and enrollment.

SUMMATION OF 2016-2017 BUDGET ACTIVITIES IN REGARD TO PURCHASES (EQUIPMENT, LEARNING AIDS, ETC.) AND ABILITY TO MEET INSTRUCTIONAL NEEDS

Through grants and the institutional budget, the Division has been able to provide quality classroom instruction. Adequate supplies and equipment are available to meet instructional needs.

INITIATIVES & STRATEGIES TO INCLUDE IN THE 2017-2018 STRATEGIC PLAN

The Applied Technology department will:

1. Work with the Arkansas Delta Training and Education Consortium (ADTEC) and the University of Arkansas Workforce Alliance (UAWA) to receive the Arkansas Workforce Continuation 2018 Grant.
2. Rotate CDL truck driving program to the Helena campus in spring 2018.
3. Submit Welding Program Review to Arkansas Department of Higher Education in fall 2018.
4. Increase hybrid Graphic Communications courses to a total of five offerings.
5. Continue to implement NCCER curriculum in Advanced Manufacturing courses.
6. Provide a supportive environment for faculty that includes training and development opportunities.
7. Meet with Advisory Councils on a regular basis.
8. Work with local industries to meet training needs.
9. Evaluate course level and program assessment for continual improvement of student learning in all Applied Technology programs.
10. Expand recruitment activities for the advanced manufacturing, welding, CDL truck driving, and graphic communications programs.
11. Ensure that all program of study sheets are revised to show sequence of courses, critical courses, and milestones.
12. Update software programs, textbooks and other sources of information and technology to provide state of the art instruction.
13. Maintain division web page.

**Division of Applied Technology
Core Competencies - Program and Division Averages
Fall 2016-Spring 2017**

Graphic Communications Core Competencies	Fall 2016	Spring 2017
Student Retention Rate	100%	77%
Communication	65%	100%
Cultural Awareness	65%	90%
Social and Civic Responsibility	85%	57%
Analytical & Critical Thinking	79%	89%
Technology Utilization	87%	88%
Program Average	76%	85%
Adv. Manufacturing/RET Core Competencies	Fall 2016	Spring 2017
Student Retention Rate	100%	100%
Communication		
Cultural Awareness		
Social and Civic Responsibility	100%	100%
Analytical & Critical Thinking		
Technology Utilization	78%	78%
Program Average	89%	89%
Welding Core Competencies	Fall 2016	Spring 2017
Student Retention Rate	97%	95%
Communication	77%	
Cultural Awareness	77%	
Social and Civic Responsibility	90%	100%
Analytical & Critical Thinking	95%	100%
Technology Utilization	93%	93%
Program Average	86%	98%
Division Core Competencies	Fall 2016	Spring 2017
Student Retention Rate	99%	91%
Communication	71%	100%
Cultural Awareness	71%	90%
Social and Civic Responsibility	92%	86%
Analytical & Critical Thinking	87%	96%
Technology Utilization	86%	90%
Division Average	84%	91%

Division Criteria/Expected Outcome

70% of all Applied Technology Students will score 70% or higher on core Competencies

**Division of Applied Technology – Advanced Manufacturing/Renewable Energy Technology
Program Outcome and Core Competencies - Assessment Results/Action Plan
Semester: Spring, 2017**

Program Outcome	Assessment Method/Measurement				
		Fall 15	Sp 16	Fall 16	Sp 17
To provide high quality advanced manufacturing courses/programs to prepare graduates with skills to enter the workforce in a mid-level manufacturing position.	85% of all advanced manufacturing students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.	91%	90%	89%	100%
	85% of AAS students will score 70% or higher in the capstone course.	---	---	---	---
Division Outcome	85% of all applied technology students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.	74%	92%	84%	93%
Student Retention Rates		74%	91%	100%	100%

Upon completion of this program, students will be able to:

PCCUA Core Competency	Division Core Competency	Program Goals	Student Learning Outcome – Courses Assessed	Assessment Method/Measurement	Fall 15	Sp 16	Fall 16	Sp 17	ACTION PLANS
Communication	Students will demonstrate the ability to communicate effectively in their chosen discipline using visual and oral media	The interactive process through which there is an exchange of verbal and/or nonverbal information	IT 263, IT 1213, IT 233, RET 143	70% of students will score 70% or higher on the communication student learning outcomes for selected courses.	---	---	---	100	
Cultural Awareness	Students will demonstrate ability to identify, analyze, and remediate problems critical to their chosen discipline	Students will acknowledge the diversity of groups and demonstrate toward ideas from others.	IT 263, IT 233, RET 143	70% of students will score 70% or higher on the Cultural Awareness student learning outcomes for selected courses.	---	---	---	---	
Social and Civic Responsibility	Students will demonstrate knowledge of ethics and legal issues appropriate to their chosen discipline	Students will demonstrate knowledge of ethics and legal issues appropriate to their chosen discipline.	IT 1203, IT 1243, IT 1273, IN 114, IT 113, IT 214, IT 273, RET 103, RET 113, RET 124, T134, RET 143	70% of students will score 70% or higher on the Social and Civic Responsibility student learning outcomes for selected courses.	90	90	100	---	
Analytical & Critical Thinking	Students will demonstrate ability to identify, analyze, and remediate problems critical to their chosen discipline	Students will demonstrate ability to identify, analyze, and remediate problems critical to their chosen discipline	IT 1233, IT 1253, IT 273, IT 113, RET 113, RET 124, RET 143	70% of students will score 70% or higher on the Critical Thinking student learning outcomes for selected courses.	100	90	---	100	
Technology Utilization	Students will demonstrate ability to perform technical operations to their chosen discipline	Students will demonstrate ability to perform technical operations to their chosen discipline.	IT 163, IN 114, IT 113, IT 133, IT 233, IT 243, IT 253, IT 1203, IT 1213, IT 1233, IT 1223, IT 1253, IT 1273, IT 1273, IT 1263, RET 103, RET 113, RET 124, RET 134, RET 143, AFLS 1203, AFLS 2103	70% of students will score 70% or higher on the Technology Utilization student learning outcomes for selected courses.	83	90	78	100	Additional software and computer components. Help students become more comfortable using industry communication tools

**Division of Applied Technology – AAS Graphic Communication Program
Program Outcome and Core Competencies - Assessment Results/Action Plan
Semester: Spring, 2017**

Program Outcome	Assessment Method/Measurement	Semester Results						Action Plan
		Fall 14	SP 15	Fall 15	Sp 16	Fall 16	Sp 17	
To provide high quality graphic communications courses/programs to prepare graduates with skills to enter the workforce in a mid-level design position.	85% of all Graphic Communication students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.	55	97%	36%	98%	76%	85%	Emphasize importance of meeting deadlines Relate assignments to actual work scenarios
	85% of AAS students will score 70% or higher in the ART 262 – Art Seminar capstone course.	0	100%	0	100%	65%	100%	Emphasize importance of meeting deadlines Relate assignments to actual work scenarios
Division Outcome	85% of all applied technology students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.	74%	98%	74%	92%	84%	93%	Emphasize importance of meeting deadlines Relate assignments to actual work scenarios
Student Retention Rates		88%	94%	95%	100%	99%	77%	Discourage EW

Upon completion of this program, students will be able to:

PCCUA Core Competency	Division Core Competency	Program Goals	Student Learning Outcome – Courses Assessed		Assessment Method/Measurement	Semester Results						Action Plan
						Fall 14	SP 15	Fall 15	Sp 16	Fall 16	Sp 17	
Communication	Students will demonstrate the ability to communicate effectively in their chosen discipline using visual and oral media	Demonstrate listening, verbal, electronic, and/or presentation skills, essential for graphic design in a professional and appropriate manner.	ART 262	PR 114	75% of students will score 70% or higher on the communication student learning outcomes for selected courses.	43%	100%	0	100	65	100	Emphasize importance of meeting deadlines Relate assignments to actual work scenarios
Cultural Awareness	Students will demonstrate ability to identify, analyze, and remediate problems critical to their chosen discipline	Interact with diverse groups of people in the graphic design environment.	ART 262	PR 113	75% of students will score 70% or higher on the Cultural Awareness student learning outcomes for selected courses.	46%	100%	0	100	65	90	Emphasize importance of meeting deadlines Relate assignments to actual work scenarios
Social and Civic Responsibility	Students will demonstrate knowledge of ethics and legal issues appropriate to their chosen discipline	Understand and be able to apply the legal, ethical, political, and/or environmental concepts appropriate for the graphic design environment.	ART 262 PR 103 PR 113	PR 123 PR 164 NT 253	75% of students will score 70% or higher on the Social and Civic Responsibility student learning outcomes for selected courses.	55%	91%	56	88	85	57	Emphasize importance of meeting deadlines Relate assignments to actual work scenarios
Analytical & Critical Thinking	Students will demonstrate ability to identify, analyze, and remediate problems critical to their chosen discipline	Analyze, interpret, and evaluate data necessary to solve design problems and support graphic design decisions.	ART 133 ART 262 PR 103	PR 113 PR 123 PR 133 PR 143	75% of students will score 70% or higher on the Critical Thinking student learning outcomes for selected courses.	43%	97%	40	100	79	89	Emphasize importance of meeting deadlines Relate assignments to actual work scenarios
Technology Utilization	Students will demonstrate ability to perform technical operations to their chosen discipline	Demonstrate skills in graphic communications software and other technology skills needed to perform in the graphic design environment.	ART 133 ART 143 AR 262 PR 103 PR 113 PR 114	PR 123 PR 133 PR 143 PR 164 PR 224 NT 253 NT 273	75% of students will score 70% or higher on the Technology Utilization student learning outcomes for selected courses.	90%	97%	82	100	87	88	Emphasize importance of meeting deadlines Relate assignments to actual work scenarios

Division of Applied Technology – TC Welding Program
Program Outcome and Core Competencies - Assessment Results/Action Plan
Semester: Spring, 2017

Program Outcome	Assessment Method/Measurement	Semester Results				Action Plan
		Fall 15	Sp 16	Fall 16	Sp 17	
To provide high quality advanced manufacturing courses/programs to prepare graduates with skills to enter the workforce in a mid-level manufacturing position.	85% of all welding students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.	94	90	86	98	Allow more time to weld
	85% of AAS students will score 70% or higher in the capstone course.	----	----	----	----	
Division Outcome	85% of all applied technology students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.	74	92	84%	93%	
Student Retention Rates		86	91	97	95	

Upon completion of this program, students will be able to:

PCCUA Core Competency	Division Core Competency	Program Goals	Student Learning Outcome – Courses Assessed	Assessment Method/Measurement	Semester Results				Action Plans
					Fall 15	Sp 16	Fall 16	Sp 17	
Communication	Students will demonstrate the ability to communicate effectively in their chosen discipline using visual and oral media	The interactive process through which there is an exchange of verbal and/or nonverbal information	WG 133	70% of students will score 70% or higher on the communication student learning outcomes for selected courses.	----	88	77		none
Cultural Awareness	Students will demonstrate ability to identify, analyze, and remediate problems critical to their chosen discipline	Students will acknowledge the diversity of groups and demonstrate toward ideas from others.	WG 133	70% of students will score 70% or higher on the Cultural Awareness student learning outcomes for selected courses.	----	88	77		none
Social and Civic Responsibility	Students will demonstrate knowledge of ethics and legal issues appropriate to their chosen discipline	Students will demonstrate knowledge of ethics and legal issues appropriate to their chosen discipline.	WG 133 WG 115, WG 125	70% of students will score 70% or higher on the Social and Civic Responsibility student learning outcomes for selected courses.	96	88	90	100	More class time
Critical Thinking	Students will demonstrate ability to identify, analyze, and remediate problems critical to their chosen discipline	Students will demonstrate ability to identify, analyze, and remediate problems critical to their chosen discipline	WG 115	70% of students will score 70% or higher on the Critical Thinking student learning outcomes for selected courses.	100	89	95	100	Stress more time
Technology Utilization	Students will demonstrate ability to perform technical operations to their chosen discipline	Students will demonstrate ability to perform technical operations to their chosen discipline.	WG 115, WG 125, WG 135, WG 145, WG 155, WG 165,	70% of students will score 70% or higher on the Technology Utilization student learning outcomes for selected courses.	87	95	93	93	Stress more time