

**PHILLIPS COMMUNITY COLLEGE INSTRUCTION  
ANNUAL REPORT**

**Division of Applied Technology**

**August 2015**

**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 2014-2015 Strategic Plan  
And Level Of Accomplishment**

<b>Priority Initiative in 2014-2015 Strategic Plan</b>	<b>Status</b>
Complete Advanced Manufacturing and Renewable Energy Technology Program Review for Arkansas Department of Higher Education (ADHE).	Submitted program review to Vice Chancellor for Instruction in July 2015.
Combine Advanced Manufacturing and Renewable Energy Technology Degrees into General Technology with Manufacturing Emphasis AAS Degree	Submitted to University of Arkansas system Board of Trustees and ADHE for approval.
Provide instructor training	Instructors received the following training: <ul style="list-style-type: none"> <li>• Allen Bradley Programmable Logic Controller training - June 2015</li> <li>• National Center for Construction Education and Research (NCCER) Craft Certification - October 2-3; 9-10, 2014</li> </ul>
Obtain National Center for Construction and Education Research (NCCER) certifications	Three instructors became NCCER certified in fall 2014. DeWitt campus welding program was also NCCER accredited in fall 2014.
Implement Guided Pathways key elements to clearly map out degree programs	Program of study sheets are being revised to include course sequences, critical courses, and other milestones.
Establish early intervention strategies to identify and measure students’ needs early in the semester	Faculty will implement intervention strategies and methods of measurement within the first four weeks of each semester effective fall 2015.
Evaluate program/division outcomes and assessment results	Ongoing. Faculty analyzes outcomes and assessment results; develop action plans. Achieved a division outcome of 86 percent in 2014-15.
Host the 2015 Young Manufacturers Academy on Stuttgart campus to explore exciting career opportunities for young men and women	The Academy will be held August 3-7, 2015.

Offer more hybrid courses	Hybrid courses in Advanced Manufacturing and Graphic Communications are being planned for fall 2015 and spring 2016 respectively.
Participate in recruitment efforts	Ongoing. Recruitment consists of visits to area businesses, industries, and high schools promoting classes and specialized training. Participated in the following college-related recruitment activities in 2014-15: PCCUA College Fair in Helena DeWitt Career Fair Career & Technical Center College Fairs Gear Up summer program (parent night)
Maintain division web page	Ongoing. Program coordinators work with faculty members on division updates.

### **SUMMATION OF 2014-2015 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. Dean and Program Coordinators Meetings
7. Recruitment Activities
8. Email—used extensively to dispense information of interest to the division and for group discussion
9. Annual budget and Carl Perkins Grant Submissions

### **SUMMATION OF 2014-2015 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 2014-15). 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 2014-2015 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 2015-2016 STRATEGIC PLAN**

The Applied Technology department will:

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| 1. Submit Workforce Initiative ACT of 2015 Planning Grant as part of the Arkansas Delta Training and Education Consortium (ADTEC).   |
| 2. Implement General Technology AAS degree.  |
| 3. Teach NCCER curriculum in some Advanced Manufacturing courses.  |
| 4. Ensure that all program of study sheets are revised to show sequence of courses, critical courses, and milestones.  |
| 5. Ensure that early intervention strategies are implemented within the first four weeks of the semesters.   |
| 6. Participate in the AACC Workforce Training Consortium.  |
| 7. Promote recruitment and retention efforts on all three campus locations.  |
| 8. Apply and evaluate course level and program assessment for continual improvement of student learning and success in Graphic Communications, Advanced Manufacturing, Renewable Energy Technology, and Welding. |
| 9. Provide a supportive environment for faculty that includes training and development opportunities.  |
| 10. Update software programs, textbooks and other sources of information and technology to provide state of the art instruction.   |
| 11. Maintain division web page.  |
| 12. Conduct Applied Tech Advisory Committee meetings.  |
| 13. Work with local industries to meet customized training needs.  |

## Division of Applied Technology Core Competencies - Program and Division Averages 2014-2015

<b>Graphic Communications Core Competencies</b>	<b>Fall 2014</b>	<b>Spring 2015</b>
<b>Student Retention Rate</b>	<b>88%</b>	<b>94%</b>
Communication	43%	100%
Cultural Awareness	46%	100%
Social and Civic Responsibility	55%	91%
Critical Thinking	43%	97%
Technology Utilization	90%	97%
<b>Program Average</b>	<b>55%</b>	<b>97%</b>
<b>Adv. Manufacturing/RET Core Competencies</b>	<b>Fall 2014</b>	<b>Spring 2015</b>
<b>Student Retention Rate</b>	<b>85%</b>	<b>100%</b>
Communication		100%
Cultural Awareness		
Social and Civic Responsibility	80%	
Critical Thinking		100%
Technology Utilization	90%	100%
<b>Program Average</b>	<b>85%</b>	<b>100%</b>
<b>Welding Core Competencies</b>	<b>Fall 2014</b>	<b>Spring 2015</b>
<b>Student Retention Rate</b>	<b>83%</b>	<b>88%</b>
Communication	100%	90%
Cultural Awareness	100%	90%
Social and Civic Responsibility	95%	98%
Critical Thinking	88%	100%
Technology Utilization	92%	100%
<b>Program Average</b>	<b>95%</b>	<b>96%</b>
<b>Division Core Competencies</b>	<b>Fall 2014</b>	<b>Spring 2015</b>
<b>Student Retention Rate</b>	<b>85%</b>	<b>94%</b>
Communication	72%	97%
Cultural Awareness	73%	95%
Social and Civic Responsibility	77%	95%
Critical Thinking	66%	99%
Technology Utilization	91%	99%
<b>Division Average</b>	<b>78%</b>	<b>98%</b>
Division Criteria/Expected Outcome 70% of all Applied Technology Students will score 70% or higher on core Competencies		

**Division of Applied Technology – AAS Advanced Manufacturing/RET Program  
Program Outcome and Core Competencies - Assessment Results/Action Plan  
Semester: Spring 2015**

Program Outcome	Assessment Method/Measurement					
		Fall 13	Sp 14	Fall 14	Sp 15	
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.	70%	100%	85%	100%	None
<b>Division Outcome</b>	<b>85% of all applied technology students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.</b>	87%	77%	74%	98%	None
<b>Student Retention Rates</b>		62%	100%	85%	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 13	Sp 14	Fall 14	Sp 15	ACTION PLANS
<b>Communication</b>	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%	None
<b>Cultural Awareness</b>	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.	----	----	----	----	None
<b>Social and Civic Responsibility</b>	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 RET 134 RET 143	70% of students will score 70% or higher on the Social and Civic Responsibility student learning outcomes for selected courses.	80%	100%	80%	----	None
<b>Analytical &amp; Critical Thinking</b>	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.	65%	100%	----	100%	None
<b>Technology Utilization</b>	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 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.	65%	100%	90%	100%	None

**Division of Applied Technology – AAS Graphic Communication Program  
Program Outcome and Core Competencies - Assessment Results/Action Plan  
Semester: Spring 2015**

Program Outcome	Assessment Method/Measurement	Semester Results						Action Plan
		Fall 12	SP 13	Fall 13	SP 14	Fall 14	SP 15	
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.	91%	85%	88%	71%	55	97%	Emphasize deadlines and assignment completion
	85% of AAS students will score 70% or higher in the ART 262 – Art Seminar capstone course.	0%	0%	100%	53%	0	100%	Emphasize deadlines and assignment completion
<b>Division Outcome</b>	<b>85% of all applied technology students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.</b>	88%	91%	87%	77%	74%	98%	
<b>Student Retention Rates</b>		<b>87%</b>	<b>92%</b>	<b>91%</b>	<b>87%</b>	<b>88%</b>	<b>94%</b>	

**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	Action Plan						
						Fall 12	SP 13	Fall 13	SP 14	Fall 14	SP 15	
<b>Communication</b>	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.	100%	0%	90%	50%	43%	100%	Student retention and assignment completion
<b>Cultural Awareness</b>	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.	100%	67%	94%	63%	46%	100%	Student retention and assignment completion
<b>Social and Civic Responsibility</b>	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.	83%	89%	92%	74%	55%	91%	Student retention and assignment completion
<b>Analytical &amp; Critical Thinking</b>	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.	82%	78%	97%	91%	43%	97%	Student retention and assignment completion
<b>Mathematical Reasoning</b>	Students will demonstrate ability to perform computations appropriate to their chosen discipline	Understand and be able to apply mathematical skills and methods in the creation of design problems	ART 262	PR 113	75% of students will score 70% or higher on the Mathematical Reasoning student learning outcomes for selected courses.	0%	100%	100%				
<b>Technology Utilization</b>	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.	91%	92%	93%	79%	90%	97%	Student retention and assignment completion

**Division of Applied Technology – TC Welding Program  
 Program Outcome and Core Competencies - Assessment Results/Action Plan  
 Semester: Spring 2015**

Program Outcome	Assessment Method/Measurement	Semester Results		Action Plan
		Fall 14	SP 15	
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.	90%	96%	None
<b>Division Outcome</b>	85% of all applied technology students will achieve the core competencies by scoring 70% or higher on the required course assessment methods.	78%	98%	
<b>Student Retention Rates</b>		<b>85%</b>	<b>88%</b>	

**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 14	SP 15	
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.	100%	90%	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.	100%	90%	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.	95%	98%	None
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.	88%	100%	None
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.	92%	100%	None