UNIVERSITY OF ARKANSAS
PULASKI TECH

# Assessment Report:
# 2018-2019 – Program Level

**The University of Arkansas – Pulaski Technical College calls for each program (AS, AA, AAS, CP, and TC) to have an assessment plan for each academic year that includes the following:**

- **Program Learning Objectives**
- **Procedures for assessing the achievement of student learning**
- **Procedures for analyzing and interpreting assessment results for the continuous improvment of the program.**

A primary goal for each instructional department's assessment is to include at least one direct measure of student learning, which is accomplished usually through the use of locally developed tests, student portfolios, capstone assessment measures, embedded assignments, or through licensure exams and standardized national tests. In addition to direct measures, most areas may also use indirect methods to assess student achievement. Graduation rates and graduation and employer surveys are frequently used as indirect indicators of student achievement.

This form presents template of questions that must, at minimum, be addressed by instructional departments when filing an assessment plan. While an electronic version of this form will be made available, instructional departments may include additional information not specifically addressed in this form as long as the template questions are addressed.

**Other Assessment Considerations:**

- The College expects programs/departments/divisions to make curriculum changes and budget requests based in part upon assessment findings. Assessment of student learning should be a catalyst for quality instruction and improvement across the college community.
- All programs will be asked to submit an annual assessment report to the Assessment Committee by October 10th of each year. (If October 10th falls on a weekend, please submit reports on the following Monday.)
- For technical and occupational programs, please consider the role of your advisory committee in your student learning objectives.

This form must be completed by October 10 of each academic year. Complete each part of this form. Please follow highlighted instructions.

**Part A: Identification and Assessment Plan**

1. Name of program: ***AAS in Aviation Maintenance***

2. Name of individual compiling report: ***Vince Gemmiti***

3. Date of submission: ***Oct. 18, 2019***

4. Is the assessment plan (*Check one*)

☒ an initial plan for the program ☐ a revision of an old plan ☐ unaltered from previous year

5. Provide a brief description of the program and its purposes, to include a description of the jobs/careers for which students are being prepared.
*The Aviation Maintenance program*

**Part B: Student Learning Objectives, Assessment Methods, and Data Sources**

In this section of the assessment plan, student learning objectives for the program will be defined. Also, assessment methods and data sources for each objective must be defined. Follow the instructions below to define and relate the program leaning objectives.

1. Complete the chart below or attach documentation of the assessment process that includes the data included below. Also attach any assessment instruments and grading rubrics used at the program level if applicable.

| Program Learning Objectives | Course | Assessment Method and/or Data Source |
|---|---|---|
| *1. Attain Knowledge / Develop Skill* | *AVA 1110* | *Final Exam / Practical Scores* |
| *2. Attain Knowledge / Develop Skill* | *MTH 1203* | *Final Exam / Practical Scores* |
| *3. Attain Knowledge / Develop Skill* | *PHYS 1301* | *Final Exam / Practical Scores* |
| *4. Attain Knowledge / Develop Skill* | *AVA 2105* | *Final Exam / Practical Scores* |
| *5. Attain Knowledge / Develop Skill* | *AVA 2207* | *Final Exam / Practical Scores* |
| *6. Attain Knowledge / Develop Skill* | *AVA 2304* | *Final Exam / Practical Scores* |
| *7. Attain Knowledge / Develop Skill* | *AVA 2404* | *Final Exam / Practical Scores* |
| *8. Attain Knowledge / Develop Skill* | *AVA 2508* | *Final Exam / Practical Scores* |
| *9. Attain Knowledge / Develop Skill* | *AVA 2604* | *Final Exam / Practical Scores* |
| *10. Attain Knowledge / Develop Skill* | *AVP 1110* | *Final Exam / Practical Scores* |
| *11. Attain Knowledge / Develop Skill* | *AVP 1205* | *Final Exam / Practical Scores* |
| *12. Attain Knowledge / Develop Skill* | *AVP 1307* | *Final Exam / Practical Scores* |
| *13. Attain Knowledge / Develop Skill* | *AVP 1407* | *Final Exam / Practical Scores* |

2. For each program objective, if applicable, discuss any additional data sources that may be used to gauge success (e.g. charts, graphs, surveys, rates).
   ***Final exam scores are the data source for "Attain Knowledge" and Practical scores are the data source for "Develop Skill." Additionally, we take feedback from the Designated Maintenance Examiner who certifies the students and regional employers as to how our graduates are doing or areas we need to place more emphasis on.***

3. Describe the process of analyzing the assessment data for the last academic year.
   ***UA-PTC Aerospace staff/faculty review student training records after every section of training (approximately 8-10 times per semester). If a trend develops we collectively decide on a solution to correct the deficiency.***

4. Complete the chart below or attach documentation of the assessment findings that includes the data included below.

| Program Learning Objectives | Assessment Findings/Conclusion |
|---|---|
| *1. Attain Knowledge* | *Total success rate for the year 88%. Failure rate of 12% is tied to attendance problems.* |
| *2. Develop Skill* | *No trends were evident on student Practicals.* |

5. What is the action plan for assessment for the next academic year? Explain.
   ***UA-PTC Aerospace staff/faculty review student training records after every section of training. If a trend develops we collectively decide on a solution to correct the deficiency. Small corrections that require us to alter how we implement a project can be made at our level immediately. Large alterations to the established curriculum must be approved by the FAA prior to implementation.***

6. What changes were implemented this year based on last year's findings?
   ***The most conclusive findings for the 12% of our students that failed final exams for the year are all tied to poor attendance. Every student that failed had chronic attendance problems that led to them "timing out" in several sections. FAA regulations state "a student may not miss more than 15% of the time allocated for a specific subject before receiving a failing grade." Several failing grades led to failing multiple courses.***
   ***One additional comment from a partner employer was that our graduates could use more familiarity with a multi-meter. More emphasis was placed on using a multi-meter for troubleshooting. Students were given more opportunities to use a multi-meter during their training.***

7. Please write any additional information here that you think is pertinent to the assessment process for your program that assists stakeholders (i.e. administrators and standing committees) in understanding your report.
   ***Our program is not assessed on a course level but on a section and program level. This may be difficult to understand without seeing a student's training record in person. Also, most of the knowledge and skills they develop are not necessarily from one section but from a compilation of several sections.***