

**Aeronautical Technology
Assessment of Student Learning Report
2011**

A. Program Information

Department:	Aviation
Program:	Aeronautical Technology
Contact Name:	Barney King
Contact Email:	kingb@ksu.edu
Program assessment website:	http://www.salina.k-state.edu/aviation/performance.html

B. Outcome Reporting

General Knowledge

1. An ability to apply knowledge of mathematics, science, and applied sciences.
2. An ability to analyze and interpret data.
3. An ability to function on multi-disciplinary and diverse teams.
4. An understanding of professional and ethical responsibility.
5. An ability to communicate effectively, including both written and verbal communication skills.
6. A recognition of the need for, and an ability to engage in, life-long learning.
7. A knowledge of contemporary issues.
8. An ability to use techniques, skills, and modern technology necessary for professional practice.
9. An understanding of the national and international aviation environment.
10. An ability to apply pertinent knowledge in identifying and solving problems.

Aviation specific knowledge in the following core areas

1. Attributes of an aviation professional, career planning, and certification.
2. Aircraft design, performance, operating characteristics, and maintenance.
3. Aviation safety and human factors.
4. National and international aviation law and regulations.
5. Airports, airspace, and air traffic control.

6. Meteorology and environmental issues.

Certification: Student will obtain the following ratings:

1. FAA Mechanic Certificate – Airframe and Powerplant Ratings

Assessment Method(s)

In a movement forward from UGE to the K-State Eight, and to include assessment methods in line with aviation specific accreditation, this is a complete overhaul of the former assessment process used in Aviation Maintenance. Faculty are still working together through this process of deciding how we will collectively evaluate and assess these new student learning outcomes with the tools, methods and data we have available to us.

a) The measures used (at least one direct measure must be used for each student learning outcome). Yet to be determined, in work, we recently revised and received approval of major changes to our Bachelors program, which in turn requires major changes to our assessment plan.

b) Which and how many students were assessed and when. All current and incoming students will be assessed, when this plan is finalized at our program start and exit points, and a few points along the curriculum.

c) Minimum (and advanced if possible) levels for expected student achievement for each SLO Minimum measures will reflect the FAA mandated 70% testing level for passing the certified requirements, however, the program standards will be established higher, when our new program of assessment is determined by our AVM faculty

Results