

Antelope Valley College

Detailed Assessment Report Spring 2012 P: Aeronautical & Aviation Technology

As of: 6/23/2013 03:54 PM EST

(Includes those Action Plans with Budget Amounts marked **One-Time, Recurring, No Request**.)

Student Learning Outcomes, with Any Associations and Related Measures, Achievement Targets, Findings, and Action Plans

S 1: Analyze and evaluate

Analyze and evaluate critical aspects of the aerospace industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, power equipment, and personal protective equipment.

Related Measures

M 1: Perform a 100-hour inspection

Students will perform a portion of a 100-hour inspection using the proper checklist.

Source of Evidence: Project, either individual or group

Achievement Target:

80% of the students will be able to satisfactorily perform a portion of a 100-hour inspection to Federal Aviation Administration standards.

Finding (Spring 2012) - Achievement Target: Partially Met

For AERO 231 Aircraft Airframe II 92% passed a portion of a 100 hour inspection For AERO 241 Aircraft Powerplant II 66% of the students passed a portion of a 100 hour inspection

Finding (2010-2011) - Achievement Target: Met

85% of the students satisfactorily performed a portion of a 100-hour inspection to Federal Aviation Administration standards.

Related Action Plans (by Established cycle, then alpha):

For full information, see the *Details of Action Plans* section of this report.

Collect data for the next 2 cycles

Established in Cycle: 2010-2011

The faculty will collect the PLO data for the next two cycles so there will be enough data to analyze.

Collect data for one more cycle

Established in Cycle: Spring 2012

We will collect data for one more cycle to see if we have any trends emerging.

S 2: Analyze, evaluate, troubleshoot, and repair

Analyze, evaluate, troubleshoot, and repair structural, propulsion, electrical, and guidance systems to meet airworthy standards.

Related Measures

M 1: Perform a 100-hour inspection

Students will perform a portion of a 100-hour inspection using the proper checklist.

Source of Evidence: Project, either individual or group

Achievement Target:

80% of the students will be able to satisfactorily perform a portion of a 100-hour inspection to Federal Aviation Administration standards.

Finding (Spring 2012) - Achievement Target: Partially Met

For AERO 231 Aircraft Airframe II 92% of the students passed a portion of the 100 hour inspection. For AERO 241 Aircraft Powerplant II 66% of the students passed a portion of the 100 hour inspection.

Finding (2010-2011) - Achievement Target: Met

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Related Action Plans (by Established cycle, then alpha):

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Collect data for one more cycle

Established in Cycle: Spring 2012

We will collect data for one more cycle to see if we have any trends emerging.

S 3: Evaluate and apply Federal Aviation Regulations

Evaluate and apply Federal Aviation Regulations, technical maintenance data, and acceptable industry standards pertinent to proper maintenance and safety standards.

Related Measures

M 1: Perform a 100-hour inspection

Students will perform a portion of a 100-hour inspection using the proper checklist.

Source of Evidence: Project, either individual or group

Achievement Target:

80% of the students will be able to satisfactorily perform a portion of a 100-hour inspection to Federal Aviation Administration standards.

Finding (Spring 2012) - Achievement Target: Partially Met

For AERO 231 Aircraft Airframe II 92% of the students passed a portion of the 100 hour inspection. For AERO 241 Aircraft Powerplant II 66% of the students passed a portion of the 100 hour inspection.

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Related Action Plans (by Established cycle, then alpha):

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Collect data for one more cycle

Established in Cycle: Spring 2012

We will collect data for one more cycle to see if we have any trends emerging.

Details of Action Plans for This Cycle (by Established cycle, then alpha)

Collect data for the next 2 cycles

The faculty will collect the PLO data for the next two cycles so there will be enough data to analyze.

Established in Cycle: 2010-2011

Implementation Status: Planned

Priority: Low

Relationships (Measure | Outcomes):

Measure: Perform a 100-hour inspection | **Outcomes:** Analyze and evaluate

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Established in Cycle: 2010-2011

Implementation Status: Planned

Priority: Low

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Established in Cycle: Spring 2012

Implementation Status: Planned

Priority: Low

Relationships (Measure | Outcomes):

Measure: Perform a 100-hour inspection | **Outcomes:** Analyze and evaluate
| Analyze, evaluate, troubleshoot, and repair | Evaluate and apply Federal Aviation Regulations