## Enrollment - Census/FTES

<table>
<thead>
<tr>
<th>Measure</th>
<th>Fall 2004</th>
<th>Fall 2005</th>
<th>Fall 2006</th>
<th>Fall 2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Census/Enrollment</td>
<td>Strong Decline [36.84 %]</td>
<td>Strong Growth [50.00 %]</td>
<td>Strong Decline [-11.11 %]</td>
<td>Strong Growth [18.75 %]</td>
</tr>
<tr>
<td>FTES</td>
<td>Strong Decline [36.88 %]</td>
<td>Strong Growth [52.70 %]</td>
<td>Strong Decline [-11.05 %]</td>
<td>Strong Growth [14.91 %]</td>
</tr>
<tr>
<td>Section Count</td>
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<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
</tr>
<tr>
<td>Avg. Class Size</td>
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<td>Strong Growth [52.70 %]</td>
<td>Strong Decline [-11.05 %]</td>
<td>Strong Growth [14.91 %]</td>
</tr>
</tbody>
</table>

## Enrollment Summary

Given the trends in enrollment, what are the implications for your program?

**Respondent:** Scott Feinerman

**Response:**
Avionics is a "plus" skill for Aviation Maintenance Technicians (AMT). This program/course-set (two classes) augments AMT skills. Most students attracted to AMT will wish to have this knowledge for added career flexibility. There is constant demand for aviation repair skills, this being one of them. Students entering the AMT Program select AET at some time during their studies or after completion of the FAA certification sequence of courses.

## Enrollment Growth Initiatives

If yes, please list any enrollment growth initiatives that occurred this year and comments on these:

## Validation Review

<table>
<thead>
<tr>
<th>Data Evaluation:</th>
<th>Accepted</th>
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</thead>
</table>

**OBJECTIVES:**

No Objectives Submitted.
Enrollment - Instructional Delivery Modes

<table>
<thead>
<tr>
<th>Measure</th>
<th>Fall 2004</th>
<th>Fall 2005</th>
<th>Fall 2006</th>
<th>Fall 2007</th>
</tr>
</thead>
<tbody>
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<td>Strong Growth [18.75 %]</td>
</tr>
<tr>
<td>Day</td>
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<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
</tr>
<tr>
<td>Evening</td>
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<td>Strong Growth [50.00 %]</td>
<td>Strong Decline [11.11 %]</td>
<td>Strong Growth [18.75 %]</td>
</tr>
<tr>
<td>Online</td>
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<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
</tr>
</tbody>
</table>

Instructional Modes Summary

Please comment on the enrollment pattern in these instructional delivery modes: Online/on ground, Day and Evening.

Respondent: Scott Feinerman

Response:
AET has consistently been an evening only program. It continues to be offered in this time frame as the entire Aviation Program is "evenings only."

Program Participation

Did you offer any courses this year in any of the following programs: Online/on ground, hybrid classes, High School Outreach, ACT program, Weekend College? No

If yes, please list the programs and summarize the nature of your involvement:
AET is taught with the use of lab oriented exercises related to the installation of electronic equipment in operating aircraft. For this purpose, it is necessary to have students in-class, with required electronics equipment. Current enrollments support the singular course format.

Validation Review

Was a trend analysis done? Yes
Was a comparative analysis done? Yes
Was a detailed analysis done? Yes
Data Evaluation: Accepted
Comments:

OBJECTIVES:

No Objectives Submitted.

Enrollment - Demographics
### Demographics Summary

**Respondent:** Scott Feinerman

**Response:**
Aviation and avionics have and continue to attract more male career seekers. These individuals tend not to come directly from high school but to have some work experience and - today - be career changers or enhancing present job skills. As is evident in the ethnic graph, this is variable, by semester and year. The WLAC area of influence is reflected in black and Hispanic students ... Asian students are increasing as a result of previous international student marketing efforts and growing identification of the WLAC Aviation Program (including AET) in the enlarging Asian communities. Efforts can be made to increase exposure to specific target markets with literature design and instructor distribution.

### Validation Review

- Was a trend analysis done? [ ]
- Was a comparative analysis done? [ ]
- Was a detailed analysis done? [ ]

**Data Evaluation:** Accepted

**Comments:**

### OBJECTIVES:

No Objectives Submitted.
**Success, Retention & Awards Summary**

Given the data, please describe the trend in Student Success. What are the implications for your program?

**Response**

As AET is a career-specific course of study, leading to increased job security and income, the retention and success rates tend to be consistently high. The Aviation Program, as a whole, is one of the most successful and highest achieving programs at WLAC. There is every reason to believe that this will continue, so long as the program and course of study are offered. The anomaly of decline in 2006 success rate is due to several students being unable to complete the course due to personal reasons (one female student needed to move to care for her injured mother.)

**Validation Review**

- Was a trend analysis done? [ ]
- Was a comparative analysis done? [ ]
- Was a detailed analysis done? [ ]
- Data Evaluation: Accepted [ ]
- Comments: 

**OBJECTIVES:**

No Objectives Submitted.

**Curriculum - Course Updates**

**Course Updates, Syllabi & New Programs**

Of the number of courses that need to be updated, how many have been completed?

<table>
<thead>
<tr>
<th># Done</th>
<th># Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
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</table>
NONE.

Validation Review

Data Evaluation: Accepted

(Objectives: No Objectives Submitted.)

Validation Review

Data Evaluation: Accepted

(Objectives: No Objectives Submitted.)

Curriculum - SLOs

Resources

Curriculum Committee webpage with Institutional and Program SLOs listed
42 single course assessments by West faculty
SLO Tutorial on Janet Fulks’ Bakersfield CC website

Student Learning Outcomes

Have program SLOs been developed for this discipline? Yes

Does the discipline have assessment plans for program SLOs? Yes

Please describe your assessment plans for SLOs:
Student projects and examinations are being collected for evaluation relative to student learning outcomes.

Have any courses assessed college or program SLOs? No

Please describe your assessment of SLOs:
In progress.

Respondent: Scott Feinerman

Validation Review

Data Evaluation: Accepted

(Objectives: No Objectives Submitted.)

Vocational - Advisory Requirements

Advisory Board Actions

Do you have an Advisory Board? Yes

Do you have minutes of your Advisory Board meetings? Yes

Please provide copies of your minutes (electronic or paper) and list the meeting dates in the last year:

Copy being provided electronically as email as unable to attach.

Aviation Industry Advisory Committee
Meeting Minutes
Winlock Lounge
Has the Advisory Board provided any recommendations and or outcomes?  

Of those recommendations and/or outcomes, which have been acted upon, and what is your plan of action with regard to other recommendations and/or outcomes:

**Recommendations are not specific to AET.**

Respondent:

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**Validation Review**

Data Evaluation:  

Accepted

Comments:

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**OBJECTIVES:**

No Objectives Submitted.

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**Resources - Personnel**

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**FTEF**

Please comment on the trends in FTEF. What are the implications for your program?

Respondent: Scott Feinerman

Response: 

*There is only one set of AET courses offered with one hourly instructor.*

---

**Faculty Hiring**

Do you see a need to increase full-time, tenure-track faculty?  

No

Do you plan to submit a FP/IP application?  

No
**Faculty Evaluations**

Have all evaluations for faculty and staff that are due been completed?  Yes  
If "No," please describe the plan for completing evaluations:  
The hourly AET instructor has been evaluated during this past year.  
Do all full-time faculty participate in a college-wide and/or Senate committee?  
Please provide a list of the discipline's full-time faculty and their committee assignment:  
AET consists of only one, hourly instructor.  

**Professional Development**

Have all of the faculty fulfilled their Flex requirements?  Yes  
Please Describe:  
The one AET hourly instructor has submitted flex documentation to the college.  
Have you had any professional development for faculty?  No  
Please describe the professional development activities:  
Professional development in this career area takes place on the commercial level. The AET instructor is a working member of the FedEx aircraft maintenance supervisory staff; as such, he is provided with updated technical skills needed to maintain aircraft communications.  
Do you have any mentoring of part-time faculty to ensure integrity of course outline?  Yes  
Please describe the mentoring activities:  
There is frequent and ongoing review of documentation and recommendations for improved classroom proficiency.  

**Validation Review**

<table>
<thead>
<tr>
<th>Was a trend analysis done?</th>
<th></th>
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<tbody>
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<td></td>
</tr>
<tr>
<td>Was a detailed analysis done?</td>
<td></td>
</tr>
</tbody>
</table>

Data Evaluation: Accepted

Comments:

**Resources - Fiscal Budget**

**Budget Status**

Were you over, under or on your budget?  On  
Please describe:  
One adjunct instructor projected.  
One adjunct instructor assigned.  
No more. No less.  
Respondent: Scott Feinerman

**Grants or Additional Funding Sources**

Have you received any grants or any additional funding from other sources?  No  
Please indicate the amount of any additional grants or funding:  
If yes, please describe:
Validation Review

Data Evaluation: Accepted
Comments:

OBJECTIVES:
No Objectives Submitted.

Resources - Facilities

Facilities

Were you satisfied with the discipline's facilities? 
No 

Please describe:
Continuing need for lecture room to supplement lab facilities.

How have the current facilities impacted the discipline?

It is tiring for students to remain at workbenches for both lecture and lab work. Chairs are inadequate for learning purposes.

Have there been any changes in the discipline's facilities in the past year?
No 

If yes, please describe:

Responder: Scott Feinerman

Supplies & Equipment

Were you satisfied with your instructional supplies and equipment? 
No 

Please describe:
Increased vocational education funding only became available in the recent period. This will permit obtaining updated items. There is need for Fluke electronic multimeters needed for student training and proficiency in electronic circuit troubleshooting in aviation communications - $800; Daniels crimping/wire stripping and pin connector installation tools $5,000; circuit board construction $5,000.

Validation Review

Data Evaluation: Accepted
Comments:

OBJECTIVES:
No Objectives Submitted.

Resources - Resource Request

No Resources Submitted.

Accreditation - Progress Report

WASC Accreditation Planning Agendas

Have the faculty in the discipline initiated the alignment of student learning outcomes and course assessment? 
Yes 

if yes, please describe:
Student learning outcomes are job specific to meet technical requirements for both aviation electronics and aircraft maintenance.

Have full-time faculty representatives from the Division attended monthly meetings of the Curriculum Committee? 
Yes 

if yes, please list the representatives and describe:
Martin Neo.
### Comprehensive Program Review

Do you have any comprehensive program review agenda items that should have been addressed?  

No

If yes, please describe:

While program reviews have not consistently been submitted by the division, there is, at this writing, an attempt being made to align all aspects of the division with needs and ability to meet specified goals and SLOs.

### Program Accreditation / Certification

Do you have any outside agency accreditation standards that should have been addressed?  

No

If yes, please describe:

Manufacturer established standards, in accordance with Federal Aviation Administration (FAA) and Federal Communications Commission (FCC) requirements are addressed in this program.

### Validation Review

Data Evaluation:  

Accepted

Comments:

No Objectives Submitted.

### Supplemental Material

**Supplemental Materials:**

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<th>File Name</th>
<th>Description</th>
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<td>Industry Advisory Committee Meeting Minutes</td>
<td>12/10/2009 8:07:00 AM</td>
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### Final Summary

#### Measure Summary

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<tr>
<th>Measure</th>
<th>Fall 2004</th>
<th>Fall 2005</th>
<th>Fall 2006</th>
<th>Fall 2007</th>
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<tbody>
<tr>
<td>Total Enrollment</td>
<td>Strong Decline [-36.84 %]</td>
<td>Strong Growth [50.00 %]</td>
<td>Strong Decline [-11.11 %]</td>
<td>Strong Growth [18.75 %]</td>
</tr>
<tr>
<td>Day Enrollment</td>
<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
</tr>
<tr>
<td>Evening Enrollment</td>
<td>Strong Decline [-36.84 %]</td>
<td>Strong Growth [50.00 %]</td>
<td>Strong Decline [-11.11 %]</td>
<td>Strong Growth [18.75 %]</td>
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<tr>
<td>Online Enrollment</td>
<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
<td>Stable [0.00 %]</td>
</tr>
<tr>
<td>FTES</td>
<td>Strong Decline [-36.88 %]</td>
<td>Strong Growth [62.70 %]</td>
<td>Strong Decline [-11.05 %]</td>
<td>Strong Growth [14.91 %]</td>
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<tr>
<td>ACS</td>
<td>Strong Decline [-36.88 %]</td>
<td>Strong Growth [62.70 %]</td>
<td>Strong Decline [-11.05 %]</td>
<td>Strong Growth [14.91 %]</td>
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<td>Total Retention</td>
<td>Decline [-3.24 %]</td>
<td>Stable [2.67 %]</td>
<td>Strong Growth [6.25 %]</td>
<td>Stable [0.00 %]</td>
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<td>Total Success</td>
<td>Strong Growth [33.97 %]</td>
<td>Stable [2.67 %]</td>
<td>Strong Decline [-43.33 %]</td>
<td>Strong Growth [25.00 %]</td>
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<tr>
<td>Male Enrollment</td>
<td>Strong Decline [-33.33 %]</td>
<td>Strong Growth [33.33 %]</td>
<td>Strong Decline [-6.25 %]</td>
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<td>Female Enrollment</td>
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<td>Strong Decline [-33.33 %]</td>
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<td>Ethnicity Asian Enrollment</td>
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<td>Stable [0.00 %]</td>
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<tr>
<td>Ethnicity Black Enrollment</td>
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<td>Strong Growth [33.33 %]</td>
<td>Strong Decline [-75.00 %]</td>
<td>Strong Growth [300.00 %]</td>
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<tr>
<td>Ethnicity Hispanic Enrollment</td>
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<td>Stable [0.00 %]</td>
<td>Strong Growth [14.29 %]</td>
<td>Strong Decline [-25.00 %]</td>
</tr>
</tbody>
</table>
Enrollment Growth Initiatives

Did you have any enrollment growth initiatives that occurred this year? [No]

Program Participation

Did you offer any courses this year in any of the following programs: Online/on ground, hybrid classes, High School Outreach, ACT program, Weekend College? [No]

Faculty Hiring

Do you see a need to increase full-time, tenure-track faculty? [No]
Do you plan to submit a FPIP application? [No]

Faculty Evaluations

Have all evaluations for faculty and staff that are due been completed? [Yes]

Professional Development

Have all of the faculty fulfilled their Flex requirements? [Yes]
Have you had any professional development for faculty? [No]
Do you have any mentoring of part-time faculty to ensure integrity of course outline? [Yes]

Facilities

Were you satisfied with your facilities? [No]

Supplies & Equipment

Were you satisfied with your instructional supplies and equipment? [No]

Grants or Additional Funding Sources

Did you receive any donated equipment and/or grants? [No]
Were you over, under or on your budget? [On]

Course Updates, Syllabi & New Programs

Of the number of courses that need to be updated, how many have been completed? [0 / 0]
Are instructors’ class syllabi collected? [Yes]
Have you developed any new courses and/or programs in the last year? [Yes]

Student Learning Outcomes

Have you developed SLOs for your discipline? [Yes]
Do you have assessment plans for program SLOs? [Yes]
Have any courses assessed college or program SLOs? [No]

Advisory Board

Do you have an Advisory Board? [Yes]
Do you have minutes of your Advisory Board meetings? [Yes]
Has the Advisory Board provided any recommendations and or outcomes? [Yes]

Past Unit Plan Objectives

What is the status of the objectives in the 2007 unit plan? Areas will evaluate the objectives included in the unit plan for 2007 in a grid with following measures: completed, in progress, deleted. Please explain outcome.

Based on your evaluation, what objectives or initiatives would you develop to improve this measure? [No Objectives Submitted]

Validation Review

Final Evaluation: Accepted
## Program Review

Program Review has been completed for this Unit.