**Program Efficacy Evaluation and Recommendation**

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| **Program:** Aeronautics |
| **Reviewers:** Kathy Kafela, Celia Huston, Sandra Waters |
| **Overall Recommendation with Rationale:** Continuation |

**Part I: Access**

| **Strategic Initiative** | **Institutional Expectations** | |
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| **Does Not Meet** | **Meets** |
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| Demographics | The program does not provide an appropriate analysis regarding identified differences in the program’s population compared to that of the general population | The program provides an analysis of the demographic data and provides an interpretation in response to any identified variance.  If warranted, discuss the plans or activities that are in place to recruit and retain underserved populations. |
| Pattern of Service | The program’s pattern of service is not related to the needs of students. | The program provides evidence that the pattern of service or instruction meets student needs.  If warranted, plans or activities are in place to meet a broader range of needs. |
| **Reviewer Feedback: MEETS**  The program population is in line with the overall ethnic population of the college and provides good analysis of the demographics. Outside data to support. They are working on increasing the African American male students. Trade association has reflected on the imbalance of the ethnic employment as well. Data suggest that industry norms are reflected in the Aeronautics program population. Due to the physical requirements of the job there are many more males in the program than females. There are plans to recruit more females into the program by networking with other organizations that have that goal as their mission as well recruiting at community events. New department brochures are being developed and an emphasis will be placed on graphic representation of women in these occupations. The department going to make presentations at the local highs schools, booths and recruitment activities at the Annual 66 Rendezvous along with other groups.  Students with disabilities would have a very difficult time participating in this program. | | |

**Part II: Student Success**

| **Strategic Initiative** | **Institutional Expectations** | |
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| **Does Not Meet** | **Meets** |
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| Data demonstrating achievement of instructional or service success | Program does not provide an adequate *analysis* of the data provided with respect to relevant program data. | Program provides an analysis of the data which indicates progress on departmental goals.  If applicable, supplemental data is analyzed. |
| Student Learning Outcomes and/or Student Achievement Outcomes | Program has not demonstrated that they have made progress on Student Learning Outcomes (SLOs) and/or Service Area Outcomes (SAOs) based on the plans of the college since their last program efficacy. | Program has demonstrated that they have made progress on Student Learning Outcomes (SLOs) and/or Service Area Outcomes (SAOs) based on the plans of the college since their last program efficacy. |
| **Reviewer Feedback:** **MEETS**  Provides adequate analysis of data on student’s success. Program has a shown an increase in FTE’s over the last several years between academic school years 06-07 and 10-11. Retention of students has been fairly good over the years. Retention is higher than the campus rate. The program has continued to update SLO’s that reflect outcomes of a specific class. Retention is higher than campus.  The class success rate has been up and down but dropped slightly last year. In previous two years it noted that students enrolled as a cohort developed by the students to assist each other academically. Certificates awarded by campus are not reflective of program. Students are more concerned with FAA certification issues by A&P. As a result this can have an adverse effect on students who are less likely to even apply for the campus awarded certificate. One goal of the department is to increase SBVC certificates is by insuring students are aware of the benefits of completing all sections of the Aeronautics Technology Program. Program listed various activities that they hope to implement to increase retention. | | |

**Part III: Institutional Effectiveness**

| **Strategic Initiative** | **Institutional Expectations** | |
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| **Does Not Meet** | **Meets** |
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| Mission and Purpose | The program does not have a mission, or it does not clearly link with the institutional mission. | The program has a mission, and it links clearly with the institutional mission. |
| Productivity | The data does not show an acceptable level of productivity for the program, or the issue of productivity is not adequately addressed. | The data shows the program is productive at an acceptable level. |
| Relevance, Currency, Articulation | The program does not provide evidence that it is relevant, current, and that courses articulate with CSU/UC, if appropriate. | The program provides evidence that the curriculum review process is up to date. Courses are relevant and current to the mission of the program.  Appropriate courses have been articulated or transfer with UC/CSU or plans are in place to articulate appropriate courses. |
| **Reviewer Feedback: MEETS**  Mission statement aligned with college. Provided explanation of factors that are affecting productivity (limited capacity for students & FAA mandated student to instructor population). FTE’s have increased over the last 5 years 15%.  Curriculum process seems to be up to date. 32 sections are under review by curriculum committee. They have worked to identify institutions which have accepted courses for credit. There are only 5 transfer courses being offered due to budget cuts which affected 4 transfer courses.  Productivity was marginally analyzed and actually the understated themselves for example there was significant increases in WSCH and FTE’s. | | |

**Part IV. Planning**

| **Strategic Initiative** | **Institutional Expectations** | |
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| **Does Not Meet** | **Meets** |
| **Part IV: Planning - Rubric** | | |
| Trends | The program does not identify major trends, or the plans are not supported by the data and information provided. | The program ~~identifies~~ and describes major trends in the field. Program addresses how trends will affect enrollment and planning. Provide data or research from the field for support. |
| Accomplishments | The program does not incorporate accomplishments and strengths into planning. | The program incorporates substantial accomplishments and strengths into planning. |
| Challenges | The program does not incorporate weaknesses and challenges into planning. | The program incorporates weaknesses and challenges into planning. |
| **Reviewer Feedback: MEETS**  Aviation Maintenance program is approved by FAA. Partnership with employment companies to develop internship programs and employment opportunities for students. Plans to accommodate an influx of students are being developed. major trends in the industry was described, challenges were identified and plans to address them were outlined.  There may be a maintenance shortfall. FAA is lunching an advertising campaign to promote career in the field. There is also discussion about what is needed to meet the needs of all of the solders coming home from war as trained pilots.  Trend: Number of retired Aviation Flight Operation.  **Strength:** Technology to train students in the classroom.  **Challenges:** Need to develop strategies to stay ahead of industry. Other challenges are well detailed: retention plans, donations, grants, need to upgrade simulator  **Accomplishment:** Current/future acquisition of technology, basic composite Tech. Advanced Tech Planned | | |

| **Part V: Technology, Partnerships & Campus Climate** | | |
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|  | **Does Not Meet** | **Meets** |
| Technology, Partnerships & Campus Climate | Program does not demonstrate that it incorporates the strategic initiatives of Technology, Partnerships or Campus Climate.  Program does not have plans to implement the strategic initiatives of Technology, Partnerships or Campus Climate | Program demonstrates that it incorporates the strategic initiatives of Technology, Partnerships and/or Campus Climate.  Program has plans to further implement the strategic initiatives of Technology, Partnerships and/or Campus Climate. |
| **Reviewer Feedback: MEETS**  Program has good reputation, number of partnerships and an Advisory Committee. There is a plan to expand partnerships with development of internship program and exchange of knowledge concerning industry needs and trends.  For campus climate graduates that have been trained are good ambassadors for the department and college. Safety is stressed to all students. Aircraft and simulator are made available for K-12 students and other tours. | | |