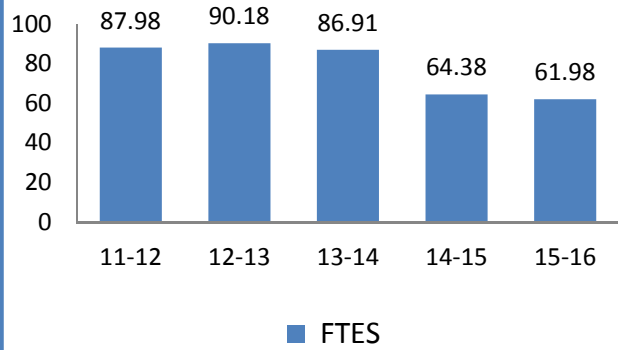
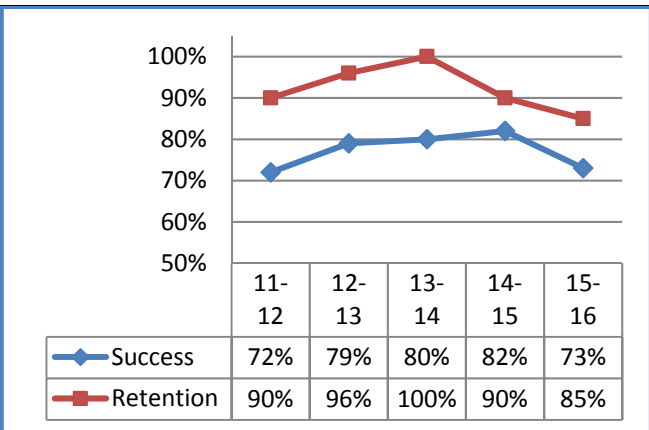


AERONAUTICS — 2015-2016



	10-11	11-12	12-13	13-14	14-15	15-16
Duplicated Enrollment	477	417	431	304	242	237
FTEF	7.02	6.82	6.09	5.69	5.98	5.84
WSCH per FTEF	402	387	445	458	323	319



	10-11	11-12	12-13	13-14	14-15	15-16
Sections	20	19	17	12	14	13
% of online enrollment	0%	0%	0%	0%	0%	0%
Degrees awarded*	2	2	0	3	3	
Certificates Awarded*	40	36	39	42	4	

Award Source:
http://datamart.cccco.edu/Outcomes/Program_Awards.aspx
 TOP Code: 0950XX

Description:

The Airframe and Powerplant Technician program prepares students for employment in the aviation industry as Certified Airframe and Powerplant Mechanics. The curriculum encompasses 1900 hours of instruction, 750 hours in Airframe, 750 hours in Powerplant, and 400 hours in Airframe and Powerplant general curriculum. The program is certified by the FAA under Federal Aviation Regulation Part 147. Industry analyst from Boeing predicts that 556,000 new mechanics and 498,000 pilots will be needed by 2032.

Assessment:

Although the FTES has slightly decreased by 3.7% from last year, it is stabilizing compared with the drastic drop of 25% from the previous 2 years. WSCH is stabilizing as well to its low peak due to the class size limits and the lab/lecture ratio which is about 60%-70% lab instruction. Enrollment is also stabilizing as evidenced by only an estimated 2% decrease that was caused by the lack of a full-time faculty and a Faculty Chair to oversee the program as subject matter experts. FTEF is hovering around 6 with no full-time Faculty on board for the last three years, one of the factors student success and retention have also dropped as the program does not have a dedicated faculty to provide student support, motivation and mentorship.

Department Goals:

- Increase outreach and program promotional activities to high schools and the community to increase student enrollment.
- Increase student success and retention rates by having supplemental instructions/tutors and faculty office hours.
- Update instructional technology and teaching aids to align and meet with the needs of the industry.
- Build and increase industry and employer partnerships to provide internship/work experience opportunities for our students.
- Update existing curriculums and equipment used in the lab to align with the industry/employer needs.

Challenges & Opportunities

- Lack of adequate funds to upgrade equipment and tools used in the lab to align and meet the skills and competencies needed by the employers and the industry.
- Need to increase qualified Adjunct Instructor pool. Hiring part-time faculty remains a challenge due to their high employability rate in the industry and low adjunct faculty pay rate.
- Lack of lab space - due to severe space constraint, 2 lab sections are taught in the same lab at the same time.
- Need to increase our program marketing and outreach to the high schools and the community in collaboration with our SBVC Marketing and Outreach Department.

The program will continue to explore external funding through grants. We will also actively participate and propose our program needs to request funds through the Strong Workforce Program. A new full-time Aeronautics Instructor is in the recruitment process that will help address our statistical issues.

AERONAUTICS — 2015-2016

<p>*Data will be available in October 2016</p>	<p>Action Plan:</p> <ul style="list-style-type: none">• Provide supplemental instructions/tutoring to improve student success and retention.• Aggressive program promotion and marketing events to local high schools and prospective students to increase enrollment.• Increase partnerships with the industry and employers, such as flight/aviation schools, for internship/work experience opportunities for our students.• Prospect for grants and funding from the Strong Workforce Program to procure new tools and equipment that are environmentally friendly, alternative fuel powerplants and high technology composite structures.• Explore the possibility of co-locating or having a satellite location at the San Bernardino International Airport.
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