

**PROGRAM APPROVAL APPLICATION**  
**NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED**  
**(This application may not exceed 3 pages)**

**Fill In Form**

**A.S. Degree Career Technical Education - Aviation**

Proposed Program Title

Fall 2017

Projected Program Start Date

Cypress College  
 College

North Orange County Community College District  
 District

**Contact Information**

Dr. Steve Donley  
 Voting Member

Dean, Career Technical Education & Econ. Dev.  
 Title

(714) 484-7233  
 Phone Number

sdonley@cypresscollege.edu  
 Email

**Goal(s) of Program (Check all that apply):**

- Career Technical Education (CTE)       Transfer       Other

**Type of Program (Check all that apply):**

- Certificate of Achievement 12-17 (or 17-27 quarter) units       Certificate of Achievement 18+ semester (or 27+ quarter) units  
 Associate of Science Degree       Associate of Arts Degree

**Reason for Approval Request (Check One):**

- New Program       Substantial Change       Locally Approved

**Program Information**

3020.00      Recommended [Taxonomy of Program \(TOP\) Code](#)  
 21      Units for Major-Degree  
 60      Total Units for Degree  
 --      Required Units-Certificate

**Written Form**

**1. Insert the description of the program as it will appear in the catalog. (See PCAH pp. 142 and 170)**

The Career Technical Education Associate in Science Degree with Area of Emphasis in Aviation provides CTE students with the opportunity to earn a 60-unit degree that demonstrates commitment to the field and meets the CSU-GE or UC IGETC general education requirements. Students should consult with a counselor when planning to complete this degree for more information on university admission and transfer requirements. The courses listed for each area of emphasis do not necessarily reflect major preparation requirements at any specific university but some courses may be used to fulfill university requirements. To earn the CTE AS Degree with Aviation emphasis, students must complete the following requirements: (1) 21 units of major coursework; (2) California State University General Education Breadth requirements (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (CSU IGETC); (3) completion of 60 semester units of CSU transferable

coursework; and (4) have an overall GPA of 2.0. At least 50% of all major course work must be completed at Cypress College.

**2. Provide a brief rationale for the program.**

The Cypress College **A.S. Degree Career Technical Education - Aviation** provides students with a balanced education, including general education, industry-driven foundational skills, practical knowledge and hands-on technical training for a career pathway in the Aviation sector.

**3. Summarize the Labor Market Information (LMI) and employment outlook (including citation for the source of the data) for students exiting the program. (See PCAH pp. 85-88, 136, 147, 148, 165, 168, and 176)**

The stated goals and objectives for this Certificate will fulfill the college’s mission and curriculum offerings. The origins of this program go back to 1970 when we first offered Aviation Program. The median salary in the Aviation industry sector ranges upward from \$36.42, according to the Bureau of Labor Statistics. Program graduates are currently in moderate demand, with more openings in the Orange and Los Angeles counties than Cypress can support with qualified graduates. Annual job openings are estimated at 380 per year in Los Angeles and Orange counties, with Cypress graduates also finding employment throughout the country. Source: Employment Development Department, Job Outlook for California Community College Educational Programs, <http://www.calmis.ca.gov>.

Occupation Groups	California 2014 Jobs	California Annual Openings	LA/OC 2014 Jobs	LA/OC Annual Openings	Median Hourly Earnings
Piloting	11,500	510	4,370	189	\$77.68
Aviation & Airport Management	15,100	540	5,820	191	\$36.42
TOTAL	26,600	1,050	10,190	380	

**4. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (There is space for 10 listings, if you need more, please contact [laocrc@rscdd.edu](mailto:laocrc@rscdd.edu))**

College	Program	Who You Contacted	Outcome of Contact
Coastline	Aviation	Nancy Jones, <a href="mailto:njones@coastline.edu">njones@coastline.edu</a>	
Glendale College	Aviation	Jan Swinton, <a href="mailto:jswinton@glendale.edu">jswinton@glendale.edu</a>	Supports
Mt. SAC	Aeronautics	Jemma Blake-Judd, <a href="mailto:jbjudd@mtsac.edu">jbjudd@mtsac.edu</a>	Supports
Orange Coast	Aviation Science	Lisa Knuppel, <a href="mailto:lknuppel@occ.cccd.edu">lknuppel@occ.cccd.edu</a>	
West LA College	Aviation	Mark Pracher, <a href="mailto:prachem@wlaac.edu">prachem@wlaac.edu</a>	Supports

5. List all courses required for program completion, including core requirements, restricted electives and prerequisites. (There is space for 20 listings, if you need more, please contact [laocrc@rscdd.edu](mailto:laocrc@rscdd.edu)).  
 (See PCAH pp. 143 and 171)

	Course Number	Course Title	Units
<b>Required Courses (6 Units)</b>	ATC 102 C	Career Communication/Portfolio	3
	ATC 270 C	Airline Operations	3
<b>Students must complete 15 units from the following list</b>	ATC 101 C	Introduction to Travel Careers	3
	ATC 112 C	Homeland Security	3
	ATC 116 C	Aviation/Transportation Security	3
	ATC 123 C	Private Pilot	3
	ATC 136 C	Air Navigation	3
	ATC 140 C	Meteorology	3
	ATC 174 C	Destinations: Americas/Europe	3
	ATC 175 C	Destinations: Africa/Pacific	3
	ATC 183 C	Customer care: Airline/Travel	3
	ATC 189 C	Flight Training Device - Introduction	0.5
	ATC 196 C	Flight Simulator Private Pilot	1
	ATC 197 C	Flight Simulator Instrument	1
	ATC 198 C	Flight Simulator Commercial	1
	ATC 199 C	Flight Simulator Instructor	1
	ATC 210 C	Cabin Safety Simulation	0.5
	ATC 212 C	Airline/Aviation Management	3
	ATC 220 C	Advanced Air Navigation	2
	ATC 232 C	Instrument Rating	3
	ATC 236 C	Aerodynamics	3
	ATC 240 C	Commercial Pilot Seminar	3
	ATC 244 C	Aviation Instructor	3
	ATC 250 C	Turbine Simulator Observation	0.5
	ATC 256 C	Crew Resource Management	3
ATC 271 C	Airport Operations	3	
ATC 274 C	Passenger Services and Safety	3	
ATC 295 C	Aviation/Travel Internship	3	
ATC 299 C	Independent Study	0.5-2	

6. Include any other information you would like to share.

N/A