

POWERPLANT, CERTIFICATE OF ACHIEVEMENT

Financial Aid Eligible
Banner Code: 1_CT_AMPP
Control Number: 22394

This program provides students with the technical skills and systems analysis necessary for entry-level positions as Airframe and Powerplant Certificated Mechanics in the aviation industry, such as airframe inspection, powerplant inspection, maintenance, and return-to-flight status of all types of U.S. Certificated aircraft. This certificate would enable a student to achieve employment in local powerplant and propeller overhaul facilities and repair stations.

Program Outcomes

1. Have the necessary skills and training for proficiency in taking written, oral and practical exams for Powerplant certification which may be required for employment.
2. Be able to improve or develop additional proficiencies required for professional growth or advancement in their current employment. All qualification training and tests are prescribed and follow the guide of the Federal Aviation.

Certificate Requirements

Orange Coast College offers two types of certificate awards in career programs designed to prepare the graduate to enter a particular field of employment. At least 3 units in an advanced course from the certificate must be completed at OCC.

1. **Certificate of Achievement** - 8 units or more in a state-approved program. Certificates of Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing his or her final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog.
2. **Certificate of Specialization** - 16 units or less in a locally approved program. Certificates of Specialization are not automatically awarded, not printed on official academic transcripts, and there is no acknowledgment of completion given at graduation. Please contact the division for details regarding the submission of petitions as procedures for each division vary. Most division offices prefer that students complete all of the required courses and then provide a copy of the transcript while some divisions allow petitions for Certificates of Specialization before finishing.

Minimum Grade Requirement

In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs-study/>) section of this catalog. Check with a counselor to determine the requirements for completion.

Course	Title	Units
AMT A151	General Electricity - FAA	3
AMT A152	General Airframe & Powerplant Fuel Systems - FAA	2
AMT A153	General Materials, Processes & Welding - FAA	3
AMT A154	General Weight & Balance, Math & Physics - FAA	3
	Units	15
Spring		
AMT A180	Airframe and Powerplant Instrumentation FAA	2.5
AMT A155	General Blueprint Reading & Drafting - FAA	2
	Units	4.5
Year 2		
Fall		
AMT A170	Powerplant Reciprocating Engines FAA	6
AMT A171	Powerplant Fuel Metering, Exhaust & Induction Systems FAA	4
	Units	10
Spring		
AMT A174	Powerplant Ignition Systems - FAA	2.5
AMT A172	Powerplant Propeller and Lubricating Systems FAA	4
AMT A173	Powerplant Gas Turbine Engines - FAA	6
	Units	12.5
	Total Units	42

Program approved by the Federal Aviation Administration (FAA).

Completion of the above enables the student to take the FAA Powerplant written examination.

Course	Title	Units
Year 1		
Fall		
AMT A150	General Maintenance Records - FAA	4