



	AEROSPA	ACE A	ACAD	EMY	
	I st Year F				
Fall Sem		Credit		nester Aircraft Turbine Mechanic Level 1 Certificate	Credit
AERM 1315 AERM 1303	Aviation Science - Fundamentals of mathematics, physics & drawing as they apply to aircraft principles & operations. *IOhr OSHA Shop Practice - Introduction to the correct use of hand tools and equipment & precision measurement; identification of aircraft hardware; and fabrication of fluid lines and tubing.	3	AERM 1315 AERM 1303	Aviation Science - Fundamentals of mathematics, physics & drawing as they apply to aircraft principles & operations. *I0hr OSHA Shop Practice - Introduction to the correct use of hand tools and equipment & precision measurement; identification of aircraft hardware; and fabrication of fluid lines and tubing.	3
Fall Semester Total				Fall Semester Total	6
Spring Semester Aircraft Structures Mechanic Level 1 Certificate		Credit	Spring S	Semester Aircraft Turbine Mechanic Level 1 Certificate	Credit
AERM 1205	Weight & Balance - An introduction to FAA required subjects relating to weighing of aircraft, performance of weight & balance calculations, & appropriate maintenance of record entries.	2	AERM 1351	Aircraft Turbine Engine Theory - Theory, history & servicing of turbine engines. Aircraft Turbine Engine Overhaul	3
1452	Metallic Structures-Skill development in inspection and repair of sheet metal structures including forming, lay out, and bending of sheet metal and identification, selection, and installation of rivets and fasteners. Fundamentals of safety procedures also addressed.		2351	Topics address inspection, disassembly, re-assembly & replacement of gas turbine engines, sections, & components as well as operational troubleshooting & analysis.	3
	Spring Semester Total	6		Spring Semester Total	6
	Year 1 Total	12		Year 1 Total	12
Summer Semester					Credit
AERM Summer Internship: Airframe Mechanics and Aircraft Maintenance Technology/Technician					4
2486 Practical, general workplace training supported by an individualized learning plan.					4
	and w			Summer Semester Total	4
	2 nd Year F				
Fall Sem	nester Aircraft Structures Mechanic Level 1 Certificate	Credit	Fall Sen	nester Aircraft Turbine Mechanic Level 1 Certificate	Credit
AERM 1414	Basic Electricity - A study of aircraft electrical systems and their requirements.	2	AERM 1414	Basic Electricity - A study of aircraft electrical systems and their requirements.	4
AERM 1208	Federal Aviation Regulations - A course in the use & understanding of the FAA and aircraft manufacturer's publications, forms and records		AERM 1208	Federal Aviation Regulations - A course in the use & understanding of the FAA and aircraft manufacturer's publications, forms and records	2
	Fall Semester Total	6		Fall Semester Total	6
Spring Semester Aircraft Structures Mechanic Level 1 Certificate		Credit	Spring S	Semester Aircraft Turbine Mechanic Level 1 Certificate	Credit
AERM	Ground Operations - An introduction course in fuels, servicing methods and procedures, aircraft movement, securing and operations	3	AERM 1310	Ground Operations - An introduction course in fuels, servicing methods and procedures, aircraft movement, securing and operations of aircraft, external power	3
1310	of aircraft, external power equipment, aircraft cleaning, and corrosion control.	3		equipment, aircraft cleaning, and corrosion control.	
1310 AERM 1354	of aircraft, external power equipment, aircraft cleaning, and corrosion control. Non-Metallic Structures-Comprehensive concepts of the inspection and repair of composite, fabric, core, and laminated structural materials including doors, windows, bonded structures, and interior furnishings. Safety procedures to include the handling and storage of composite materials will also be addressed.	3	AERM 1205	Weight & Balance - An introduction to FAA required subjects relating to weighing of aircraft, performance of weight & balance calculations, & appropriate maintenance of record entries.	2
AERM	of aircraft, external power equipment, aircraft cleaning, and corrosion control. Non-Metallic Structures-Comprehensive concepts of the inspection and repair of composite, fabric, core, and laminated structural materials including doors, windows, bonded structures, and interior furnishings. Safety procedures to	6		Weight & Balance - An introduction to FAA required subjects relating to weighing of aircraft, performance of weight & balance calculations, & appropriate maintenance	2 5 11

Level 1 Certificate of Completion Aircraft Turbine Mechanic

Two Year Program of Studies: 9 Courses totaling 28 (Structures) or 27 (Turbine) credit hours

The Alamo Colleges do not discriminate on the basis of race, religion, color, national origin, sex, age, or disability with respect to access, employment programs, or services. Inquiries or complaints concerning these matters should be brought to the attention of: Director of Employee Services, Title IX Coordinator, (210) 485-0200.