

Airframe Certificate

Program Requirements

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Minimum Requirements for Airframe Certificate: 43 credits

Students must earn a C- grade or better in each course.

Code	Title	Credits
General University Requirements		
Complete the general university requirements. (https://catalog.uaf.edu/certificates/#gurcertificatestext)		
Certificate Requirements		
Complete the certificate requirements. (https://catalog.uaf.edu/certificates/#certificaterequirementstext) ¹		
Airframe Program Requirements		
<i>General FAA Subjects</i>		
Complete the following:		
AFPM F165	Mathematics for AMTs	0.5
AFPM F166	Fundamentals of Electricity and Electronics	3.5
AFPM F167	Physics for AMTs	1
AFPM F168	Aircraft Technical Drawings	0.5
AFPM F169	Fluid Lines and Fittings	0.5
AFPM F170	Aircraft Materials, Hardware and Processes	4.5
AFPM F171	Cleaning and Corrosion Control	1
AFPM F172	Federal Aviation Regulations and Publications	2.5
AFPM F173	Weight and Balance	1.5
AFPM F174	Ground Operations and Servicing	1.5
<i>Airframe Subjects</i>		
Complete the following:		
AFPM F236	Aircraft Electrical Systems	4
AFPM F237	Airframe Fuel Systems	1.5
AFPM F238	Aircraft Fire Protection Systems	0.5
AFPM F239	Aircraft Instrument Systems	1.5
AFPM F241	Transport Category Aircraft Systems	0.5
AFPM F243	Ice and Rain Control Systems	0.5
AFPM F268	Communication and Navigation Systems	1
AFPM F273	Environmental Systems	1
AFPM F275	Hydraulic and Pneumatic Systems	2
AFPM F277	Landing Gear Systems	3
AFPM F279	Non-Metallic Structures	1.5
AFPM F281	Aircraft Fabric Covering and Finishes	1.5
AFPM F283	Aircraft Sheetmetal Structures	3
AFPM F285	Aircraft Welding	1.5
AFPM F287	Flight Controls	1.5
AFPM F288	Airframe Inspection	1

AFPM F290	Airframe Testing	0.5
Total Credits		43

¹ As part of the certificate requirements, the communication, computation and human relations contents are embedded in the major required courses for this program.

Learning Outcomes

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Learning Outcomes are measurable statements that describe knowledge or skills achieved by students upon completion of the program.

Students graduating from this program will be able to:

- Possess the skills and knowledge to become highly competitive candidates for job openings and promotions in repairing and maintaining airframes
- Possess the skills and knowledge expected of professionals in the aviation industry
- Possess writing, oral communication and computation skills and an understanding of human relations skills sufficient for employment in the aviation maintenance industry