AVIATION MAINTENANCE MANAGEMENT

2023-24 STUDY GUIDE

About this degree option

The aviation maintenance management degree option provides students a state-of-the-art curriculum on how airplanes operate and the technology behind maintaining and inspecting them. Through learning labs, modern equipment and industry professionals as professors, you'll advance your enthusiasm for the mechanics into leading careers in aftermarket and business sales, safety and quality, and sustainment systems.

Why this degree options

K-State Salina offers a variety of advantages, including:

- **Practical learning environment and a laboratory setting to focus on the application of aviation science and technology by understanding how to service, support, inspect, maintain and operate all different types of aircraft and propulsion systems.**
- **Federal Aviation Administration-approved courses under Part 147 that prepare you to sit for the FAA A&P exam – also offered right on campus.**

Careers

Career options for aviation maintenance management graduatesinclude, but are not limited to:

- **A&P Mechanic**
- **Aircraft Instrument Mechanic**
- **Aircraft Electrician**
- **Avionics Technician**
- **Flight Test Mechanic**
- **Jet Engine Mechanic**

Accreditation

We take our reputation seriously. Accreditation validates the quality of an institution as a whole, offering evaluated measurements of everything from academic offerings, governance, administration, mission, finances and resources. Kansas State University has been continuously accredited by the Higher Learning Commission (HLC) since 1916.
k-state.edu/assessment/accreditation

Transfers

At K-State Salina, you can transfer up to 60 qualifying credit hours to help you get your next degree. If you've already earned an associate degree from one of our partner institutions, you may be eligible to apply previously earned credits when enrolling in a related bachelor's degree option. We work with students every day to make the most of transfer credits within K-State Salina programs to help make earning that next degree more achievable. Your hard work matters. We want to help you make the most of it.

AN AEROSPACE & TECHNOLOGY EDUCATION IS:

INNOVATIVE LEARNING:
Learning by doing, through hands-on projects, lab time and in-the-field training.

REAL-WORLD EXPERIENCE:
Exploring innovations in your field through research, practicum and internship opportunities.

INDUSTRY CONNECTIONS:
Building relationships with industry members and gaining insight into your future career.

STUDENT-FOCUSED:
Faculty are focused on your personalized experience, working alongside you in the lab and classroom.

KANSAS STATE UNIVERSITY | Salina
Aerospace and Technology Campus

Office of Admissions:
785-826-2640 | salinaadmissions@k-state.edu

Bachelor of Science

120 credit hours required

Required coursework

Core courses:

AVM 101	Introduction to Aircraft Materials & Tooling Standards	3
AVM 102	Aviation Regulations, Compliance & Operations	2
AVM 111	Basic Aircraft Electricity	4
AVM 121	Aircraft Drawings	2
AVM 201	Aircraft Metallic Primary Structures	3
AVM 203	Aircraft Environmental & Fire Protection Systems	3
AVM 205	Aircraft Landing Gear & Fluid Power Systems	3
AVM 207	Aircraft Electrical Systems	3
AVM 216	Aircraft Propulsion Drive Systems	3
AVM 301	Reciprocating Powerplant Technology	3
AVM 303	Introduction to Aircraft Composite Structures	3
AVM 304	Aircraft Fuel Management & Metering Systems	3
AVM 305	Aircraft Avionics & Instrument Systems	3
AVM 306	Rotary & Fixed Wing Aircraft Design & Assembly	3
AVM 322	Powerplant Operations & Troubleshooting	3
AVM 402	Gas Turbine Powerplant Technology	3
AVT 100	Introduction to Aviation	3
AVT 340	Human Factors in Aviation	3
AVT 482	Aviation Ethics & Leadership	3
	Total	**56**

Additional requirements:

BUS 251	Financial Accounting	3
BUS 315	Supervisory Management	3
BUS 366	Management with Information Technology	3
BUS 420	Management Perspectives	3
CMST 108	PC Desktop Software	3
COMM 106	Public Speaking I	3
COT 480	Professional Conduct, Ethics, and Analysis	3
ENGL 100	Expository Writing I	3
ENGL 200	Expository Writing II	3
ENGL 302	Technical Writing	3
MATH 100	College Algebra	3
MATH 150	Plane Trigonometry	3
PHYS 113	General Physics I	4
STAT 325	Introduction to Statistics	3
PSYCH 110	General Psychology	3
	Total	**46**

Electives:

	Aviation Elective*	2
	Humanities Elective	3
	Humanities Elective	3
	Humanities Elective	3
	Natural Science Elective	4
	Restricted Elective**	3
	Total	**18**

***Marked electives must be upper-level courses, 300 or above.**

****Choose from the following:**

BUS 252	Managerial Accounting	3
BUS 390	Foundations of Buisness Law	3
BUS 400	Marketing Techniques and Applications	3
BUS 530	Practices of Industrial and Labor Relations	3

Associate of Applied Science

62 credit hours required

Required coursework

Core courses:

AVM 101	Introduction to Aircraft Materials & Tooling Standards	3
AVM 102	Aviation Regulations, Compliance & Operations	2
AVM 111	Basic Aircraft Electricity	4
AVM 121	Aircraft Drawings	2
AVM 141	Aircraft Science	3
AVM 201	Aircraft Metallic Primary Structures	3
AVM 203	Aircraft Environmental & Fire Protection Systems	3
AVM 205	Aircraft Landing Gear & Fluid Power Systems	3
AVM 207	Aircraft Electrical Systems	3
AVM 216	Aircraft Propulsion Drive Systems	3
AVM 301	Reciprocating Powerplant Technology	3
AVM 303	Introduction to Aircraft Composite Structures	3
AVM 304	Aircraft Fuel Management & Metering Systems	3
AVM 305	Aircraft Avionics & Instrument Systems	3
AVM 306	Rotary & Fixed Wing Aircraft Design & Assembly	3
AVM 322	Powerplant Operations & Troubleshooting	3
AVM 402	Advanced Gas Turbine Powerplant Technology	3
	Total	**50**

Additional requirements:

	Humanities/Social Science Elective	3
COMM 106	Public Speaking I	3
ENGL 100	Expository Writing I	3
MATH 100	College Algebra	3
	Total	**12**

For full course descriptions, visit ***courses.k-state.edu***

8/23

Notice of Nondiscrimination
Kansas State University is committed to nondiscrimination in admissions, programs and employment. Inquiries and complaints: Contact Director of Institutional Equity, Kansas State University, 103 Edwards Hall, Manhattan, KS 66506-4801, (Phone) 785-532-6220; (TTY) 785-532-4807.

Post-Graduation Statistics
k-state.edu/postgrad-stats | ksdegreestats.org