



Aviation Maintenance

Recommended Plan of Study 2022-2023

Associate of Applied Science

WNCC offers certificate and Associate of Applied Science (AAS) degree options in Aviation Maintenance. The AAS pathway requires 92 hours of credit -- 77 credits of core aviation maintenance courses (the same credits required for the certificate) and 15 credits of general education requirements.

Students should consult with their academic advisor about how best to incorporate the general education requirements into their academic pathway.

AAS General Education Core **15 credits**

Written Communication*	3
<i>ENGL-1000 (Workplace Writing) recommended</i>	
Oral Communication	3
<i>SPCH-1200 (Human Communication) recommended</i>	
Quantitative Reasoning*	3
<i>MATH-1020 (Technical Math) recommended</i>	
Social or Lab Science	3
<i>ECON-1230 (General Economics) recommended</i>	
Personal Development	3

**Written Communication and Quantitative Reasoning course selections are dependent on writing and math proficiency based on assessment. Students should consult with their academic advisor about specific general education courses required.*

Core Program Requirements **77 credits**

1st Semester

AVIA-1101	Ground Operations and Regulations	3.5
AVIA-1102	Applied Math for Aviation Maintenance	3.5
AVIA-1105	Aircraft Drawing, Fluid Lines, & Nav-Comm	3
AVIA-1106	Materials, Processes, & Corrosion	3.5
AVIA-1109	Applied Electrical Science for Aviation Maintenance	4.5

AVIA-1301	Airframe Systems I	1.5
Total Semester Credits		19.5

2nd Semester

AVIA-1202	Airframe Structure I	2.5
AVIA-1203	Airframe Structure II	2
AVIA-1204	Airframe Structure III	3
AVIA-1205	Airframe Structure IV	2.5
AVIA-1302	Airframe Systems II	3.5
AVIA-1303	Airframe Systems III	3.5
Total Semester Credits		17

3rd Semester

AVIA-2302	Airframe Systems IV	3
AVIA-2305	Airframe Systems V	3
AVIA-2307	Airframe Systems VI	3
AVIA-2401	Engine Cooling & Recip Theory	4
AVIA-2501	Powerplant Systems I	4
AVIA-2505	Engine Ignition	3.5
Total Semester Credits		20.5

4th Semester

AVIA-2402	Powerplant Reciprocating Engine Maintenance	4
AVIA-2403	Powerplant, Turbine Engines	4
AVIA-2502	Powerplant Systems II	4.5
AVIA-2503	Powerplant Electrical	3
AVIA-2504	Powerplant, Lubrication	1.5
AVIA-2511	Powerplant Propellers	3
Total Semester Credits		20

TOTAL AAS REQUIREMENTS 92 credits

Notes

- The credit hour requirement for the AAS in Aviation Maintenance exceeds the College's definition for an AAS degree due to industry requirements.
- Course availability may differ from semester to semester. See academic advisor prior to registration.
- Credit for previous courses and military training can be applied toward the program requirements. See academic advisor.