



## Aviation Maintenance

### Recommended Plan of Study 2022-2023

#### Certificate

WNCC offers certificate and Associate of Applied Science (AAS) degree options in the area of Aviation Maintenance. The certificate pathway, which requires 77 hours of credit, is presented here. It is designed as a standalone program or can be used to fulfill 77 credit hours for the AAS degree program

#### **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
	<b>Total Semester Credits</b>	<b>19.5</b>

#### **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
	<b>Total Semester Credits</b>	<b>17</b>

#### **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
	<b>Total Semester Credits</b>	<b>20</b>

**TOTAL CERTIFICATE CREDITS 77**

**Notes**

- The credit hour requirement for a certificate in Aviation Maintenance exceeds the College's definition for a certificate 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.