

AVIATION MAINTENANCE

Sidney Center

Programs and Awards:

AAS.PP.4901 - Aviation Powerplant Maintenance (60 Credits)

The program requires 1,150-1,900 hours of instruction, depending upon award, approximately 60 percent of which is shop work. The first 400 hours of study are general aviation courses. The second phase of training is Airframe Maintenance. The final phase of study is Power Plant Maintenance. The program is approved by the Federal Aviation Administration (FAA), and upon successful completion, the student is eligible to take the FAA examinations for the Airframe and Power Plant license.

Objectives

- Develop in each student safe, clean work habits, attitudes, and skills.
- Provide the student the opportunity to learn by doing under conditions similar to those in an aviation shop.
- Train the students in aircraft electrical systems, sheet metal and composite skills, hydraulic and pneumatics, landing gear, and aircraft inspections.
- Study all phases of power plants and their auxiliary systems.
- Develop a thorough knowledge of the Federal Aviation Regulations.
- Develop knowledge and skills of all phases of aviation repair.
- Develop in each student knowledge of correct shop techniques and equipment usage.

Notes

- Course availability may differ from semester to semester. See advisor prior to registration.
- Credit for previous courses and military training can be applied toward the program requirements.

Students following the diploma and certificate options must demonstrate competency in writing and mathematics by assessment (COMPASS/ASSET) or by passing the

appropriate mathematics and writing courses (MATH-0150, MATH-0160, or OFFT-1500 and ACFS-0050W). This is in addition to the required curricula for the diploma and certificate options.

Required Curriculum - AAS Degree Aviation Powerplant Maintenance

1st Sem, Course	Credit
AVIA-1060 General Phase I.....	6
AVIA-1070 General Phase II.....	6
AVIA-1080 General Phase III.....	6
General Education.....	3
	21 Credits

3rd Sem, Course	Credit
AVIA-1210 Powerplant Phase I.....	3
AVIA-1220 Powerplant Phase II.....	3
AVIA-1230 Powerplant Phase III.....	3
General Education.....	9
	18 Credits

4th Sem, Course	Credit
AVIA-1240 Powerplant Phase IV.....	6
AVIA-1250 Powerplant Phase V.....	6
AVIA-1260 Powerplant Phase VI.....	6
General Education.....	3
	21 Credits