Program Description
The Airframe and Powerplant maintenance technician diploma program trains students in the repair and scheduled maintenance of aircraft. This fully approved Federal Aviation Administration (FAA) program prepares graduates to repair and maintain commercial and general technically advanced aircraft found in today’s market. Training will include study and hands-on experiences in reading and comprehending aircraft manuals, troubleshooting and repairing electrical malfunctions using electrical schematics, analyzing and repairing powerplant malfunctions, repair airframe structures and return aircraft to service, maintaining aircraft powerplant subsystems and determine their airworthiness in accordance with applicable FAA and manufacturer specifications.
This 88-credit Diploma seamlessly transfers to the Aviation Maintenance Technology AAS (103 credits).

Program Outcomes
- Students will successfully pass the required FAA written testing of an Airframe and Power Plant Mechanic
- Students will utilize appropriate technology as it pertains to the aviation industry
- Students will interpret various FAA Regulations that apply to maintenance in the aviation industry
- Students will apply appropriate safety work habits and procedures
- Students will apply principles of troubleshooting for various aircraft maintenance tasks
- Students will demonstrate the proper use of hand tools appropriate to the industry
- Students will use technical information provided by various aircraft manufacturers to perform aircraft maintenance
- Students will document various maintenance tasks according to FAA Regulations
- Students will read and interpret technical information found in the aircraft records
- Students will demonstrate the necessary skills to properly maintain an aircraft in an airworthy condition

Required Courses

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Total Credits 88

*Requires a prerequisite or instructor approval
Aviation Maintenance Technology Diploma - 88 credits
Program Area: Aviation (Fall 2022)

***REMEMBER TO REGISTER EARLY***

Pre-program Requirements
Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

English/Reading:
- Eligible for ENGL 1106 - College Composition I, or
- Completion of ENGL/READ 0950/0955 (or equivalent or higher). ENGL/READ 0950/0955 may be taken concurrently with Semester I coursework.

Mathematics:
- A score of 250 or higher on the Arithmetic portion of the Accuplacer.

There are other ways to qualify. Visit Course Placement (lsc.edu/course-placement) to find out more.

For interpretation of test results and selection of appropriate coursework; or general information about the program, admissions, financial aid, and getting started at LSC, contact the professional advising team (advising@lsc.edu.) at 218-733-7601

For more information about the Aviation Maintenance Technology Diploma including course descriptions, course prerequisites, the program report, and potential career opportunities, see the program website (https://degrees.lsc.edu/aircraft-maintenance/)

or

Faculty Advisor, William Beecroft (william.beecroft@lsc.edu) at 218-733-6925
Faculty Advisor, Bill McMahan (bill.mcmahan@lsc.edu) at 218-733-6971

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