

Aviation Maintenance Technology

Why should I major in Aviation Maintenance Technology?

If you have an interest in aircraft systems and think that you would like to be involved in the behind the scenes work on aircraft, you may find that your future career is in Aviation Maintenance Technology.

In this program, you will learn how to perform the inspection, servicing, troubleshooting and repair of aircraft systems and components.

Mechanics inspect the engines, landing gear, instruments, pressurized sections, accessories and other parts of the aircraft and do the necessary maintenance and replacement of parts. Iowa Western's program will provide you with the knowledge



and hands-on experience required to meet or exceed Federal Aviation Regulations for FAA (Federal Aviation Administration) eligibility requirements for written, oral and practical examination for issuance of the mechanics certificate with airframe and powerplant ratings.

What type of degree will I earn at Iowa Western if I enroll in this program?

Graduates of our two-year Aviation Maintenance Technology program earn an Associate of Applied Science (AAS) degree. Other options include earning a certificate in Powerplant or Airframe.

If I major in Aviation Maintenance Technology, can I transfer to a four-year college or university?

By earning your Associate's Degree in our Aviation Maintenance Technology program, you'll be qualified to enter right into the work force. If obtaining an advanced degree is your goal, you may always take your credits earned at Iowa Western and transfer to a four-year college or university where you can work toward your bachelor's degree.

What is the job outlook for Aviation Maintenance Technology graduates and what type of jobs will I be qualified for?

The job outlook for positions in this program is good. Upon passing the FAA certification exam, you will find ample employment opportunities with major and minor airline carriers, government institutions, private corporations and individuals. Starting wages range from \$14.00 to \$20.00 per hour.

**For More Information,
contact the Admissions Office:
712.325.3277 or 800.432.5852, ext. 3277
or the Program Chair at 712.325.3414
www.iwcc.edu**

Program of Study

The Aviation Maintenance Technology program of study provides the necessary instruction and practical experience required by the Federal Aviation Administration Regulations for those individuals who wish to become a Certificated Aviation Maintenance Technician with an Airframe and Powerplant rating. The curriculum follows the guidelines set forth by the Federal Aviation Administration in FAR Part 147 and provides students with training on both fixed-wing and rotor-winged aircraft along with training in reciprocating and turbine-powered aircraft systems. The student must take the required FAA written/oral and practical tests to receive a Mechanic's certificate with Airframe and Powerplant ratings. Graduates of this program are awarded an Associate of Applied Science (A.A.S.) degree.

* Students must complete the curriculum described below:

RECOMMENDED COURSE SEQUENCE

| First Semester | | Cr. |
|------------------------|------------------------------------|------------|
| AVM 120 | Aviation Mechanics General I | 7 |
| AVM 130 | Aviation Mechanics General II | 8 |
| MAT 743 | Technical Mathematics | 3 |
| | | 18 |
| Second Semester | | Cr. |
| AVM 181 | Aviation Airframe I | 7.5 |
| AVM 182 | Aviation Airframe II | 7.5 |
| ENG 105 | Composition I | 3 |
| | | 18 |
| Summer Term | | Cr. |
| AVM 183 | Aviation Airframe III | 8 |
| | | 8 |
| Third Semester | | Cr. |
| AVM 184 | Aviation Airframe IV | 8 |
| AVM 191 | Aviation Powerplant I | 7 |
| | Social Science/Humanities Elective | 3 |
| | | 18 |
| Fourth Semester | | Cr. |
| AVM 192 | Aviation Powerplant II | 7.5 |
| AVM 193 | Aviation Powerplant III | 8.5 |
| MGT 195 | Workplace Empowerment | 3 |
| | | 19 |
| Summer Term | | Cr. |
| AVM 194 | Aviation Powerplant IV | 7.5 |
| | | 7.5 |

88.5 semester hours required

