



Aviation Maintenance Technology

Student Learning Outcomes

- 1 Communication- The student will demonstrate the ability to communicate effectively using written and/or oral communication.
- 2 Information Literacy- The student will recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information.
- 3 Problem Solving- The student will demonstrate the ability to analyze information and solve problems.
- 4 Workplace Skills - Demonstrates a mastery of workplace skills/soft skills, exhibits initiative, adapts to varied situations

Program Outcomes

- 1 Install and repair sheet metal and non-metallic structures
- 2 Inspect and install assembly and rigging components
- 3 Perform an airframe inspection
- 4 Inspect and service aircraft landing gear systems
- 5 Inspect and repair hydraulic and pneumatic power systems
- 6 Troubleshoot and service aircraft fuel systems
- 7 Inspect and repair aircraft electrical systems
- 8 Perform an inspection of reciprocating and/or turbine engines
- 9 Inspect and repair ignition and starting systems
- 10 Inspect and repair engine fuel systems
- 11 Inspect and repair induction and engine airflow systems
- 12 Inspect and repair engine exhaust and reversers systems
- 13 Inspect and repair propellers
- 14 Inspect and troubleshoot engine instrument systems

FALL

Course #	Course Title	Credits	Function
AMT 187	General I	4	Technical Studies
AMT 188	General II	4	Technical Studies
AMT 189	General III	5	Technical Studies
AMT 190	General IV	5	Technical Studies
	Humanities Elective*	3	General Studies

Spring

Course #	Course Title	Credits	Function
AMT 233	Airframe I	4	Technical Studies
AMT 234	Airframe II	5	Technical Studies
AMT 235	Airframe III	5	Technical Studies
AMT 236	Airframe IV	5	Technical Studies
ENG 101	Composition I*	3	General Studies

Summer

Course #	Course Title	Credits	Function
AMT 237	Airframe V	5	Technical Studies
AMT 238	Airframe VI	5	Technical Studies

Fall

Course #	Course Title	Credits	Function
AMT 239	Airframe VII	5	Technical Studies
AMT 253	Powerplant I	4	Technical Studies
AMT 254	Powerplant II	5	Technical Studies
AMT 255	Powerplant III	5	Technical Studies
	Communication Elective*	3	General Studies

Spring

Course #	Course Title	Credits	Function
AMT 256	Powerplant IV	6	Technical Studies
AMT 257	Powerplant V	5	Technical Studies
	Social Science Elective*	3	General Studies
MTH	Math Elective*	3	General Studies

* **Kansas Systemwide General Education**

Technical Certificate, Aviation Maintenance Airframe**Total Credits 34****Fall**

Course #	Course Title	Credits	Function
AMT 233	Airframe I	4	Technical Studies
AMT 234	Airframe II	5	Technical Studies
AMT 235	Airframe III	5	Technical Studies
AMT 236	Airframe IV	5	Technical Studies

Spring

Course #	Course Title	Credits	Function
AMT 237	Airframe V	5	Technical Studies
AMT 238	Airframe VI	5	Technical Studies
AMT 239	Airframe VII	5	Technical Studies

Technical Certificate, Aviation Maintenance Powerplant**Total Credits 25****Fall**

Course #	Course Title	Credits	Function
AMT 253	Powerplant I	4	Technical Studies
AMT 254	Powerplant II	5	Technical Studies
AMT 255	Powerplant III	5	Technical Studies

Spring

Course #	Course Title	Credits	Function
AMT 256	Powerplant IV	6	Technical Studies
AMT 257	Powerplant V	5	Technical Studies

Technical Certificate, Aviation Maintenance General**Total Credits 18****Fall**

Course #	Course Title	Credits	Function
AMT 187	General I	4	Technical Studies
AMT 188	General II	4	Technical Studies
AMT 189	General III	5	Technical Studies
AMT 190	General IV	5	Technical Studies