



Aviation Powerplant

Certificate
(69 Quarter Credits)

2022-2023



Program Outcomes:

Upon successful completion of this certificate, students will be able to:

1. Service, maintain, troubleshoot and repair powerplant systems and components.
2. Perform proficient, entry-level aviation maintenance skills on powerplant systems, including engine electrical and instrument systems, lubrication systems, ignition and starting systems, propellers, and fire protection systems.
3. Apply knowledge of FAA regulations and industry standards.
4. Think critically, problem solve, and communicate effectively.
5. Apply math and physics principles in solving problems associated with aviation maintenance.
6. Work effectively in a team and/or group setting.
7. Sit for the Federal Aviation Administration (FAA) certification exam (written, oral and practical) for powerplant.

Program Prerequisites:

- MTH 65 Beginning Algebra II (4 credits) or equivalent placement
- WR 115 Introduction to Expository Writing (4 credits) or IRW 115 Critical Reading and Writing (5 credits) or equivalent placement

Coursework:

Course Number	Course Title	Prereqs	Credits
Fall Term			16
MTH 110 or higher	Technical Math	MTH 65 or place	4
AMT 191	Aviation Maintenance: General 101	MTH 65 or place; place into IRW 115 or WR 115	6
AMT 192	Aviation Maintenance: General 102	AMP 191	6
Winter Term			16
AMT 193	Aviation Maintenance: General 103	AMP 192	6
AMT 194A	Aviation Maintenance: General 104A	AMP 193	3
AMT 194B	Aviation Maintenance: General 104B	Pre/co: AMT 194A	3
WR 121	English Composition	IRW 115 or WR 115 or place	4
Spring Term			6
AMT 195	Aviation Maintenance: General 105	Pre/co: AMT 194A & 194B	6

Fall Term			16
AMT 271	Aviation Maintenance: Powerplant 1	MTH 65, AMT 105	6
AMT 272	Aviation Maintenance: Powerplant 2	AMT 271	6
PSY 101	Psychology and Human Relations	place into MTH 65 or MTH 98; WR 121 pre/co	4
Winter Term			15
AMT 273	Aviation Maintenance: Powerplant 3	AMT 272	6
AMT 274	Aviation Maintenance: Powerplant 4	AMT 273	6
AMT 282	Aviation Maintenance: Powerplant Return to Service	AMT 274	3
Total Quarter Credits			69



This form is intended for advising purposes only. See your declared catalog for a complete list of degree requirements.

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