

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

AMT 202 Powerplant Maintenance 2

Course Description: A course that uses FAA-approved instruction for concepts and techniques in the installation, troubleshooting, and removal of reciprocating engines; reciprocating engine induction and engine airflow systems and the overhaul of gas-turbine engines.

Prerequisites(s): AMT 201

Corequisite(s): No corequisite

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| Lecture Hours: 5 | Lab Hours: 5 | Credit Hours: 7 |
| Lab Fee: 250 | Supplemental Fee: 0 | Purpose: |
| <input type="checkbox"/> Transfer Assurance Guide Course (TAG) | <input type="checkbox"/> Transfer Module Course (TM) | |
| Course Format: Lec/Lab | | Grading: A/B/C/D/F/I |
| Delivery Method: <input type="checkbox"/> Web <input type="checkbox"/> Hybrid <input type="checkbox"/> Classroom | | |
| Semesters Offered: <input type="checkbox"/> Fall <input type="checkbox"/> Spring <input type="checkbox"/> Summer | | |

Course Primary Text:

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| Title: Aircraft Powerplants | Edition: 8th |
| Author(s): Kroes and Wild | |
| Publisher: Glencoe | |

Supplemental Materials:

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| FAA Advisory Circular 43-13-1B |
| Aviation Maintenance Technology Handbook – Powerplant, Volume 1 and 2, FAA-H-8083-32 |

Course Outcomes:

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| 1 | Students will inspect, check, troubleshoot and service carburetor pre-heat system. |
| 2 | Students will repair a fault in a carburetor pre-heat system. |
| 3 | Students will adjust the rigging of a carburetor pre-heat system. |
| 4 | Students will inspect, check, troubleshoot and service turbine engine intake anti-icing system. |
| 5 | Students will inspect the induction system of a reciprocating engine. |
| 6 | Students will prepare an engine for pre-oiling. |
| 7 | Students will perform a normal start of a cold aircraft engine. |
| 8 | Students will perform a normal start of a hot aircraft engine. |
| 9 | Students will disassemble, inspect, and assemble a gas-turbine engine. |
| 10 | Students will repair a fault in a carburetor pre-heat system. |

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Course Topics:

Course booklet with FAA approved practical projects and course lectures is located in the AMT Offices at the Cincinnati State West Campus.

Methods of Evaluation/Assessment

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| Lab Projects/Quizzes |
| Lab/Class Participation |
| Tests |

Course Keeper: Jeffrey Wright

Date Completed: March 27, 2019