

AMT 76 (Advanced Powerplants II)

Upon completion of this course, the student should be able to:

1. Discuss gas turbine engine classification, construction, and nomenclature.
2. Explain gas turbine engine principles, performance, and operation.
3. Describe the procedures for the installation, overhaul, inspection and repair of gas turbine, turboprop engines, and auxiliary power units.

AMT 76L (Advanced Powerplants II Laboratory)

Upon completion of this course, the student should be able to:

1. Identify gas turbine engine classes, construction types, and nomenclature.
2. Inspect, repair, overhaul, install, and operate gas turbine, turboprop engines, and auxiliary power units.
3. Install helicopter powerplants.

AMT 80 (Aviation Maintenance Technology Test Preparation)

Upon completion of this course, the student should be able to:

1. Prepare for the oral, practical and written portions of the general, powerplant, and airframe sections of the Federal Aviation Administration Aircraft Mechanics test.
2. Demonstrate fluency in all sections of the general, powerplant, and airframe sections of the Federal Aviation Administration Aircraft Mechanics test.
3. Apply common test taking strategies to improve exam scores.

PSLO Reviews

First Readings

Heavy Truck Driving Certificate of Achievement

Upon successful completion of the Heavy Truck Driving Certificate of Achievement, students will be able to:

1. Identify defensive driving strategies and skills for avoiding collisions in limited/reduced visibility, traction, and space conditions.
2. Perform a proper pre-trip, in-route and post trip inspection of a truck/tractor and trailer.
3. Demonstrate the safe and proper way to enter and exit the cab of a commercial vehicle
4. Back a tractor and trailer with reasonable proficiency.

Heavy Truck Driving Academy Certificate of Achievement

Upon successful completion of the Heavy Truck Driving Academy Certificate of Achievement, students will be able to:

1. Identify defensive driving strategies and skills for avoiding collisions in limited/reduced visibility, traction, and space conditions.
2. Perform a proper pre-trip, in-route and post trip inspection of a truck/tractor and trailer.
3. Demonstrate the safe and proper way to enter and exit the cab of a commercial vehicle
4. Back a tractor and trailer with reasonable proficiency.

Second Readings

AMT AS Degree Airframe

Upon successful completion of the AMT AS Degree Airframe, students will be able to:

1. Assess, document, and maintain aircraft systems according to airworthy standards.
2. Recognize and apply safety methods used by aviation maintenance technicians.
3. Demonstrate skills and knowledge to satisfy the FAA requirements to become a certified Aircraft Maintenance Technician.

AMT AS Degree Powerplant

Upon successful completion of the AMT AS Degree Powerplant, students will be able to:

1. Assess, document, and maintain powerplant systems according to airworthy standards.
2. Recognize and apply safety methods used by aviation maintenance technicians.
3. Demonstrate skills and knowledge to satisfy the FAA requirements to become a certified Aircraft Maintenance Technician.

AMT Certificate of Achievement: Airframe Technician

Upon successful completion of AMT Certificate of Achievement: Airframe Technician, students will be able to:

1. Assess, document, and maintain aircraft systems according to airworthy standards.
2. Recognize and apply safety methods used by aviation maintenance technicians.
3. Demonstrate skills and knowledge to satisfy the FAA requirements to become a certified Aircraft Maintenance Technician.

AMT Certificate of Achievement Powerplant Technician

Upon successful completion of AMT Certificate of Achievement: Powerplant Technician, students will be able to:

1. Assess, document, and maintain powerplant systems according to airworthy standards.
2. Recognize and apply safety methods used by aviation maintenance technicians.
3. Demonstrate skills and knowledge to satisfy the FAA requirements to become a certified Aircraft Maintenance Technician.

Informational Items

- **3-Year SLO/SAO Plans due**

May 1st: Please email your completed 3-Year Plan template to John or Liz. Thanks in advance!

- **SLO Coaching**

By appointment, via Zoom or in-person (Contact John or Liz)

- **Friday SLO Talks**

April 14 @ 10a-12p: Canvas – Documenting Student Learning

Free Registration: **[Zoom Meeting Registration Link](#)**

Good of the Order

Adjournment

Next Regular Meeting: April 24, 2023 (Rm 2450)