TURBINE ENGINE REMOVAL / INSTALL / OPERATE
Course Syllabus

Course Number: TRPPM-3103
OCAS Code: None
Course Length: 63 Hours
Career Cluster: Transportation, Distribution & Logistics
Career Pathway: Aviation Maintenance Technology
Career Major(s): Powerplant Mechanic

Pre-requisite(s):
Course Description: Engines will be removed, installed, and rigged. Students will operate engines and systems, and check for proper operation.

Textbooks:
Dale Crane, Dictionary of Aviation Terms, Aviation Supplies and Academics, 1997
DOT, Aircraft Inspection and Repair, Jeppesen, Sanders, Inc., 1998

Course Objectives:
A. Lesson: TURBINE ENGINE REMOVAL
1. Select terms and definitions associated with turbine engine removal.
2. Discuss safety practices associated with turbine engine removal.
3. Discuss specific aircraft procedures related to engine removal.

B. Lesson: ENGINE PREPARATION FOR INSTALLATION
1. Discuss procedures used to prepare engine for installation.
2. Install and rig engine. (Level 3) (App. D,I,B,7)

C. Lesson: ENGINE OPERATION
1. Discuss terms and practices associated with turbine engine operation.
2. Discuss safety terms and practices associated with turbine engine operation

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.
Grading Procedures:
1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, F=0-69%.

Description of Classroom, Laboratories, and Equipment:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit:
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:
The student must maintain a grade point average of 2.0 or better.