

# POWERPLANT TECHNOLOGY

Associate in Applied Science Degree

**LENGTH:** Five Semesters

**PURPOSE:** This program prepares students to take the Federal Aviation Administration written, oral, and practical examinations required for certification as an aviation maintenance technician with a powerplant endorsement. Graduates earn an Associate in Applied Science Degree in Powerplant Technology.

**AREA I ..... WRITTEN COMPOSITION ..... 3 SH**

ENG 101..... English Composition I ..... 3

**AREA II ..... HUMANITIES AND FINE ARTS ..... 6 SH**

Humanities Elective..... ART, MUS, THR, REL, PHL..... 3

SPH 107..... Fundamentals of Public Speaking ..... 3

**AREA III ..... NATURAL SCIENCES AND MATHEMATICS ..... 9-10 SH**

CIS 146 ..... Microcomputer Applications ..... 3

MTH 116 or MTH 100 ..... Mathematical Applications or Intermediate College Algebra ..... 3

MTH, CIS, or SCI Elective ..... Math, Computer Science, or Natural Science Elective ..... 3-4

**AREA IV ..... HISTORY, SOCIAL, AND BEHAVIORAL SCIENCES ..... 3 SH**

Elective ..... ANT, ECO, GEO, HIS, POL, PSY, or SOC ..... 3

**AREA V ..... PRE-PROFESSIONAL, MAJOR, AND ELECTIVE COURSES ..... 45 SH**

AMT 100 ..... Technical Preparation ..... 5

AMT 101 ..... Basic Electricity ..... 5

AMT 102 ..... Materials and Processes ..... 5

AMP 120 ..... Engine Theory and Propellers ..... 5

AMP 121 ..... Reciprocating Engine Systems ..... 5

AMP 122 ..... Reciprocating Engine Overhaul ..... 5

AMP 123 ..... Reciprocating Engine Inspections ..... 5

AMP 124 ..... Turbine Engine Theory and Inspections ..... 5

AMP 125 ..... Turbine Engine Systems Overhaul ..... 5

**Total Hours ..... 66-67 SH**

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study; therefore, it is not subject to the terms and conditions of STARS.