



POWERPLANT TECHNOLOGY

Associate in Applied Science Degree – AAS PPT

Program Location: Alabama Aviation Center at Brookley Field

Length: Four Semesters

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.

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 Alabama Transfers state transfer and articulation reporting system.

AREA I: Written Composition	3 Total Hours
ENG 101 – English Composition I	3
AREA II: Humanities and Fine Arts	3 Total Hours
Humanities and Fine Arts Elective: Choose one of the following ART 100 – Art Appreciation ART 203 – Art History I ART 204 – Art History II HUM 101 – Introduction to Humanities I HUM 102 – Introduction to Humanities II MUS 101 – Music Appreciation PHL 106 – Introduction to Philosophy PHL 206 – Ethics and Society REL 100 – History of World Religions REL 151 – Survey of the Old Testament REL 152 – Survey of the New Testament THR 120 – Theater Appreciation THR 126 – Introduction to Theater	3
AREA III: Natural Sciences and Mathematics	6-7 Total Hours
Choose one of the following: MTH 100 – Intermediate College Algebra MTH 116 – Mathematical Applications	3
Computer Science, Math, or Natural Science Elective: Choose one of the following BIO 101 – Introduction to Biology I BIO 102 – Introduction to Biology II BIO 103 – Principles of Biology I CHM 104 – Introduction to Inorganic Chemistry CHM 111 – College Chemistry I CHM 112 – College Chemistry II CIS 130 – Introduction to Information Systems CIS 146 – Microcomputer Applications MTH 100 – Intermediate College Algebra MTH 110 – Finite Mathematics MTH 112 – Precalculus Algebra MTH 113 – Precalculus Trigonometry MTH 115 – Precalculus Algebra and Trigonometry MTH 116 – Mathematical Applications PHS 111 – Physical Science I PHS 112 – Physical Science II PHY 120 – Introduction to Physics PHY 201 – General Physics I with Trigonometry PHY 202 – General Physics II with Trigonometry	3 – 4

AREA IV: History, Social, and Behavioral Sciences		3 Total Hours
Choose one of the following: ECO 231 – Principles of Macroeconomics ECO 232 – Principles of Microeconomics GEO 100 – World Reg Geography HIS 101 – Western Civilization I HIS 102 – Western Civilization II HIS 121 – World History I HIS 122 – World History II HIS 201 – United States History I HIS 202 – United States History II POL 200 – Introduction to Political Science POL 211 – American National Government PSY 200 – General Psychology PSY 210 – Human Growth and Development SOC 200 – Introduction to Sociology SOC 210 – Social Problems		3
AREA V: Pre-Professional, Major, and Elective Courses		45 Total Hours
AMT 101 – Basic Electricity		5
AMT 103 – Weight and Balance, Ground Handling and Servicing, Cleaning and Corrosion Control		5
AMT 104 – Technical Preparation		5
AMT 105 – Materials and Processes		5
AMP 220 – Reciprocating Engines and Theory		5
AMP 221 – Turbine Engine Theory and Systems		5
AMP 222 – Reciprocating Engine Inspections and Propellers		5
AMP 223 – Reciprocating Engine Overhaul		5
AMP 224 – Turbine Engine Theory Inspection and Overhaul		5
Total Hours		60-61 SH