



**POWERPLANT TECHNOLOGY**  
**CERTIFICATE – CER PPT**

**Program Location: Alabama Aviation Center at Brookley Field**

Length: Three 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 STARS.

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|---|-----------------------|
| <b>AREA I: Written Composition</b>  | <b>3 Total Hours</b>  |
| ENG 101 – English Composition I   | 3                     |
| <b>AREA II: Humanities and Fine Arts</b>  | <b>0 Total Hours</b>  |
|   | 0                     |
| <b>AREA III: Natural Sciences and Mathematics</b>   | <b>3 Total Hours</b>  |
| Choose one of the following:<br>MTH 100 – Intermediate College Algebra<br>MTH 116 – Mathematical Applications | 3                     |
| <b>AREA IV: History, Social, and Behavioral Sciences</b>  | <b>0 Total Hours</b>  |
|   | 0                     |
| <b>AREA V: Pre-Professional, Major, and Elective Courses</b>  | <b>45 Total Hours</b> |
| 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                     |
| <b>Total Hours</b>  | <b>51 SH</b>          |