## Powerplant Technician Certificate

Program Start: Fall and Spring Program Length: 5 Quarters Prerequisites: None Total College Credits: 102 Students are highly encouraged to check with the RS counselor for more information about program requirements.

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| High School | College |
| Core Science Credit | Basic Math, Basic Physics, and Weight and Balance – AMT 104 (5 credits) Basic Electricity – AMT 109 (4 credits)Materials & Processes – AMT 119 (5 credits) Advanced Electricity – AMT 125 (4 credits) Engine Electrical Systems – AMT 144 (5 credits)FAA Testing & Turbine Engines – AMT 217 (7 credits) Engine Lubrication Systems – AMT 219 (4 credits) Engine Instrument Systems – AMT 221 (4 credits)Powerplant Reciprocating Engine Theory – AMT 224 (6 credits) Powerplant Maintenance & Operation – AMT 225 (6 credits) Engine Fuel System & Fire Protection – AMT 226 (1 credit) Engine Fuel Metering Systems – AMT 228 (5 credits) Propellers & FAA Final Testing – AMT 229CAP (4 credits) Engine Inspection – AMT 231 (4 credits)Engine Ignition & Starting Systems AMT 233 (4 credits)Induction, Airflow, Cooling & Exhaust Systems – AMT 235 (3 credits) |
| Core Math Credit | Basic Math, Basic Physics, and Weight and Balance – AMT 104 (5 credits)Any 100-Level Math Class (5 credits) |
| Core English Credit | English Composition I – ENGL& 101 (5 credits)Public Speaking – CMST& 220 (5 credits) |
| Core Social Studies | General Psychology – PSYC& 100DIV (5 credits) |
| CTE Credits/Optional Elective | College Success for All – COLL 102 (3 credits)Aircraft Drawings, Cleaning & Corrosion Control, Ground Operations & Servicing, and Fluid Lines and Fittings – AMT 116 (5 credits)Maintenance Forms & Records, Publications, and Mechanics Privileges & Limitations – AMT 127 (4 credits)Hangar Operations & Maintenance – AMT 142 (3 credits) |