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| --- | --- | --- | --- |
| **Student Name (First Last):**       **Staff Initials:**       **Date:** | | | |
| Aviation Maintenance Technician AAT and AAS-T Degree | | | |
| Associate of Applied Technologies Degree (AAT) and Associate of Applied Science – T Degree (AAS-T) | | | |
| **Admissions Date:** Fall and Spring quarters, or by Instructor permission. | | | |
| **Contact email:** greg.doyon@cptc.edu **Program Counselor:** carolyn.vanbeek@cptc.edu | | | |
| **Prerequisites:** None. | | | |
| **Employability Requirements:** Graduates must meet Federal Aviation Administration (FAA) certification exams and pass literacy requirements. | | | |
| Choose AAT or AAS-T Degree Option: | | **Credits** | **Quarter**  **Taken** |
| ***AAT Required General Education Courses*** | | | |
| COLL 102 College Success for All | | 3 |  |
| ENGL& 101 English Composition, -**or-** CMST& 220 Public Speaking ***(pre-req ENG 094 or equivalent)*** | | 5 |  |
| PSYC& 100DIV , **or** SOC& 101DIV , **or** PSY 112DIV ***(pre-req ENG 094 or equivalent)*** | | 5 |  |
| Any 100 Level Math Course, ***or higher*** ***(pre-req MAT 092 or equivalent)*** | | 5 |  |
| Approved computer literacy course, (Or successfully pass the computer literacy exam). For more information go to: [www.cptc.edu/computer literacy](http://www.cptc.edu/computerliteracy) | | 3 |  |
| ***AAT Required General Education Courses Total Credits*** | | ***21*** |  |
| ***AAS-T Required General Education Courses*** | | | |
| COLL 102 College Success for All (Must be taken during the first two quarters) | | 3 |  |
| ENGL& 101 English Composition ***(pre-req ENG 094 or equivalent)*** | | 5 |  |
| PSYC& 100DIV **or** SOC& 101DIV ***(pre-req ENG 094 or equivalent)*** | | 5 |  |
| 2nd Social Science, science, or humanities **(from list below)** | |  |  |
| **(Choose from the following):** ART& 100, ASL& 121, ASL& 122, BIOL& 160, BIOL& 175, BIOL& 241, BIOL& 242, BIOL& 260, CHEM& 110, CHEM& 121, CHEM& 131, GEOL& 110, HIST& 137, HUM& 101, MUSC& 105, PHYS& 114, POLS& 202, PSYC& 100, PSYC& 200, PSYC& 220, SOC& 101. | | 5 |  |
| MAT 110, MATH& 141, MATH& 142, MATH& 146 ***or*** MATH& 151 ***or higher (pre-req MAT 099)*** | | 5 |  |
| Approved computer literacy course, (Or successfully pass the computer literacy exam). For more information go to: [www.cptc.edu/computer literacy](http://www.cptc.edu/computerliteracy) | | 3 |  |
| ***AAS-T Required General Education Courses Total Credits*** | | ***26*** |  |
| ***\*Indicates a course appropriate for a first-quarter student*** | | | |
| Technical Program Courses | | **Credits** | **Quarter Taken** |
| Qtr. 1  Fall/Spring | AMT 104 Basic Mathematics, Physics, Weight, & Balance\* | 5 |  |
| AMT 116 Aircraft Drawings, Cleaning & Corrosion Control, Ground Operations & Servicing, & Fluid Lines & Fittings\* | 5 |  |
| AMT 119 Materials and Processes\* | 5 |  |
| AMT 127 Maintenance Forms & Records, Publications, & Mechanics Privileges & Limitations\* | 4 |  |
| Qtr. 2  Sum/Wntr | AMT 109 Basic Electricity  4 | 4 |  |
| AMT 125 Advanced Electricity  3 | 4 |  |
| AMT 143 Airframe Electrical Systems  3 | 5 |  |
| AMT 144 Engine Electrical Systems | 5 |  |
|  | AMT 142 Hangar Operations & Maintenance **(Only offered Winter: take 2nd or 4th quarter)** | 5 |  |
| Qtr. 3  Fall/Spring | AMT 132 Wood Structures, Aircraft Coverings, & Finishes | 4 |  |
| AMT 135 Sheet Metal Structures | 4 |  |
| AMT 136 Welding, Position, & Warning Systems | 3 |  |
| AMT 137 Non-metallic Structures | 4 |  |
| AMT 139 Assembly and Rigging | 4 |  |

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| Qtr. 4  Sum/Wntr | AMT 140 Aircraft Landing Gear | | | | | 3 |  |
| AMT 141 Hydraulic and Pneumatic Power Systems | | | | | 3 |  |
| AMT 142 Hangar Operations & Maintenance **(Only offered Winter: take 2nd or 4th quarter)** | | | | | 3 |  |
| AMT 145 Cabin Atmosphere Control Systems | | | | | 3 |  |
| AMT 133 Aircraft Fuel Systems, Ice & Rain Control Systems and Fire Protection Systems | | | | | 4 |  |
| AMT 146 Aircraft Instrument, Communication, and Navigation Systems | | | | | 3 |  |
| Qtr. 5  Fall/Spring | AMT 138 Aircraft Inspections | | | | | 4 |  |
| AMT 208 Helicopter Operations and Maintenance Practices | | | | | 4 |  |
| AMT 210 Basic Rotor System Maintenance and Repair | | | | | 4 |  |
| AMT 212 Advanced Rotor Systems Maintenance and Repair | | | | | 4 |  |
| AMT 215 Helicopter Systems | | | | | 4 |  |
| Qtr. 6  Sum/Wntr | AMT 217 FAA Testing and Turbine Engines | | | | | 7 |  |
| AMT 219 Engine Lubrication Systems | | | | | 4 |  |
| AMT 221 Engine Instrument Systems | | | | | 4 |  |
|  | AMT 239 Advanced Hangar Operations & Maintenance **(Only offered Winter: take 6th or 8th quarter)** | | | | | 3 |  |
| Qtr. 7  Fall/Spring | AMT 224 Powerplant Reciprocating Engine Theory | | | | | 6 |  |
| AMT 225 Powerplant Maintenance & Operation | | | | | 6 |  |
| AMT 228 Engine Fuel Metering Systems | | | | | 5 |  |
| AMT 226 Engine Fuel Systems & Fire Protection | | | | | 1 |  |
| Qtr. 8  Sum/Wntr | AMT 231 Engine Inspection | | | | | 4 |  |
| AMT 233 Engine Ignition & Starting Systems | | | | | 4 |  |
| AMT 235 Induction, Airflow, Cooling & Exhaust Systems | | | | | 3 |  |
| AMT 229CAP Propellers & FAA Final Testing | | | | | 4 |  |
| AMT 239 Advanced Hangar Operations & Maintenance **(Only offered Winter: take 6th or 8th quarter)** | | | | | 3 |  |
| ***Aviation Maintenance Technician Program Courses Credits*** | | | | | | ***146*** | |
| ***Total Credits for Completion*** | | | | | | ***167-172*** | |
| Identify additional preparatory math or English courses you may need to take: If placement scores are below English 91 and/or Math 92, contact the Adult Basic Education (ABE) for classes, Building 10 (253) 589-5702 | | | | | | | |
| **AAT Developmental Math Pathway** | | | | | | | |
| * MAT 092 Pre-Algebra | | | | | 5 | |  |
| * MAT 105, MAT 103, MAT 108 | | | | | 5 | |  |
| **AAS-T Developmental Math Pathway** | | | | | | | |
| * MAT 092 Pre-Algebra | | | | | 5 | |  |
| * MAT 094 Introduction to Algebra | | | | | 5 | |  |
| * MAT 099 Intermediate Algebra | | | | | 5 | |  |
| * **MATH& 141 Pre-Calculus I – or- MATH& 146 Introduction to Statistics** | | | | | 5 | |  |
| **Developmental English** | | | | | | | |
| * ENG 091 Basic Reading & Writing | | | | | 5 | |  |
| * ENG 094 Advanced Reading & Writing | | | | | 5 | |  |
|  | | | | | | | |
| **Quarterly Self Planning Grid** | | | | | | | |
| **Quarter 1** | | **Quarter 2** | **Quarter 3** | **Quarter 4** | | | |
| Class: | | Class: | Class: | Class: | | | |
| Class: | | Class: | Class: | Class: | | | |
| Class: | | Class: | Class: | Class: | | | |
| Class: | | Class: | Class: | Class: | | | |
| **Quarter 5** | | **Quarter 6** | **Quarter 7** | **Quarter 8** | | | |
| Class: | | Class: | Class: | Class: | | | |
| Class: | | Class: | Class: | Class: | | | |
| Class: | | Class: | Class: | Class: | | | |
| Class: | | Class: | Class: | Class: | | | |
| **Notes:** | | | | | | | |

***\*Please check in periodically with Advising and Counseling regarding any potential changes to program course requirements***