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| Student Name (First Last):       Staff Initials:       Date: |

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| Mechatronics Technician AAT Degree | | | |
| **Admissions Dates: Fall, Winter, Spring and Summer** | | | |
| Associate of Applied Technology (AAT) | | | |
| **Contact Email:**  thomas.chesnes@cptc.edu  **Program Counselor:** taylor.mcgovern@cptc.edu | | | |
| **Prerequisites:** To enter the program, a student must be eligible to take college-level English and college-level psychology or another social science or humanities course. Must be able to be at Math 099 or higher with MEC 115 | | | |
| |  |  |  | | --- | --- | --- | | ***AAT Required General Education Courses*** | **Credits** | **Quarter Taken** | | COLL 102 College Success For All | 3 |  | | ENGL& 101 English Composition or CMST& 220 Public Speaking ***(pre-req ENG 094 or equivalent)*** or higher | 5 |  | | PSYC& 100DIV **or** SOC& 101DIV ***(pre-req ENG 094 or equivalent)*** | 5 |  | | MATH 105 or higher ***(pre-req MAT 092 or equivalent)*** | 5 |  | |  |  |  | | | | |
| ***AAT Required General Education Courses Total Credits*** | | **18** |  |
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| **Technical Program Courses** | | **Credits** | **Quarter Taken** |
| Required 1st Quarter | FSME 101 Workshop Safety\* | 3 |  |
| FSME 110 Quality Principles, Inspection and Test\* | 4 |  |
| FSME 114 Fabrication Fundamentals I\* | 4 |  |
| FSME 116 Fabrication Fundamentals II\* | 4 |  |
| **COLL 102 College Success for All** | 3 |  |
| Fall or Spring | MEC 115 DC Circuits ***(Co-req MAT 099 or equivalent)***  5 | 5 |  |
| MEC 140CL Computer Programming and Logic  **4** | 5 |  |
| **ENGL&101 English Composition *(pre-req ENG 094 or equivalent)***  **3** | 5 |  |
| Winter or Summer | MEC 125 Hydraulics and Pneumatics | 5 |  |
| MEC 150 Mechanical Systems | 5 |  |
| **Math 105 or Higher *(pre-req MAT 092 or equivalent)*** | 5 |  |
| Fall or Spring | MEC 120 Computer-Aided Design I | 5 |  |
| MEC 135 Digital Electronics and Networks | 5 |  |
| MEC 160 Programmable Control I | 5 |  |
| MEC Elective | 5 |  |
| Winter or Summer | MEC 116 AC Circuits | 5 |  |
| MEC 130 Electronic Motors and Drives | 5 |  |
| MEC 201 Systems Approach | 5 |  |
| Winter or Summer | MEC 289 Internship – OR - 290CAP Capstone Design | 5 |  |
| MEC 132 Lean Manufacturing | 5 |  |
| **PSYC&101 or Other Diversity Class *(pre-req ENG 094 or equivalent)*** | 5 |  |

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| **Mechatronics Electives (5 credits):** | | | |
|  | MEC 121 Computer Aided Design II | 5 |  |
| MEC 165 Robotics | 5 |  |
| MEC 170 Sensors & Actuators | 5 |  |
| MEC 200 Maintenance Management | 5 |  |
| MEC 210 Metrology and Calibration | 5 |  |
| MEC 281 Independent Study I | 2-5 |  |
| MEC 282 Independent Study II | 2-5 |  |
| MEC 289 Internship | 5 |  |

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| **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** | | |
| **Developmental Math** |  |  |
| * MAT 092 Pre-Algebra ***(must complete prior to MAT 105, MAT 103)*** | 5 |  |
| * MAT 094 Introduction to Algebra | 5 |  |
| * MAT 99 Intermediate Algebra ***(must complete prior to MAT 110, MATH& 141, MATH& 146)*** | 5 |  |
| **Developmental English** |  |  |
| * ENG 091 Basic Reading & Writing | 5 |  |
| * ENG 094 Advanced Reading & Writing | 5 |  |

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| **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: |

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