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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  |
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| ***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 |       |
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|  ***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** |
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| 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***