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

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| Mechatronics Technician AAS-T Degree | | | | |
| **Admissions Dates: Fall, Winter, Spring and Summer** | | | | |
| Associate of Applied Science-T Degree (AAS-T) | | | | |
| **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 equivalent with MEC 115 | | | | |
| |  |  |  | | --- | --- | --- | | ***AAS-T Required General Education Courses*** | **Credits** | **Quarter Taken** | | COLL 102 College Success For All | 3 |  | | ENGL& 101 English Composition or higher ***(pre-req ENG 094 or equivalent)*** | 5 |  | | PSYC& 100DIV **or** SOC& 101DIV ***(pre-req ENG 094 or equivalent)*** | 5 |  | | MATH& 141 Pre-calculus ***(pre-req MAT 099 or equivalent)*** | 5 |  | | 2nd Social Science, science, or humanities (choose from list below)  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, HIST& 146, HIST& 147, HIST& 148, HUM& 101, MUSC& 105, PHYS& 114, POLS& 202, PSYC& 100, PSYC& 200, PSYC& 220, SOC& 101. | 5 |  | | ***AAS-T Required General Education Courses Total Credits*** | ***23*** | | | | | |
| **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 128 Statics & Strengths **(pre-req MATH& 141 *or* *equivalent)***  **4** | 5 |  |
| MEC 140CL Computer Programming and Logic | 5 |  |
|  | | **ENGL& 101 English Composition or higher *(pre-req ENG 094 or equivalent)*** | 5 |  |
| Winter or Summer | | MEC 125 Hydraulics and Pneumatics | 5 |  |
| MEC 150 Mechanical Systems | 5 |  |
| **MATH& 141 *(pre-req MAT 099 or equivalent)*** | 5 |  |
| Fall or Spring | | MEC 120 Computer-Aided Design I | 5 |  |
| MEC 160 Programmable Control I | 5 |  |
| MEC 135 Digital Electronics and Networks | 5 |  |
| Winter or Summer | | MEC 116 AC Circuits | 5 |  |
| MEC 130 Electronic Motors and Drives | 5 |  |
| MEC 132 Lean Manufacturing | 5 |  |
| MEC 201 Systems Approach | 5 |  |
| Winter or Summer | | MEC 163 Industrial Survey | 5 |  |
| MEC 173 Applied Mechatronics | 5 |  |
| **General Education or Technical Elective** | 5 |  |
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|  | |  |  |  |
| Last Quarter | | MEC 289 290CAP Capstone Design | 5 |  |
| **General Education or Technical Elective** | 5 |  |
| **General Education or Technical Elective** | 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 |  |
|  | **Technical Credits required** | | **93** |  |
|  | **Total Credits for AAS-T Degree** | | **116** |  |
| **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 | | | 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***