

|                             |  |                           |                           |                        |
|-----------------------------|--|---------------------------|---------------------------|------------------------|
| Student Name: (First, Last) |  | Student EMPL #:           |                           | Date:                  |
| <b>Total Units:</b><br>93   | <b>Total Cost:</b><br><a href="http://www.cptc.edu/feelists">www.cptc.edu/feelists</a> | <b>Target Start Date:</b> | <b>Target Grad. Date:</b> | <b>Staff Initials:</b> |

**Important Information**

- To enter program, student must be eligible to take college-level English and college-level Psychology, or another social science or humanities course.
- This program assumes that students will be able to enroll in, or will have passed, MATH& 141 by the start of the third term of the program. Any developmental coursework that a student may be required to take to achieve this may increase the program length and is not reflected in the credit counts as shown below. Math sequence to meet this requirement must be planned with your advisor prior to program enrollment.
- **Program Starts:** Fall, Winter, Spring and Summer
- **Program class times:** Mon-Thur. 8:30am -4:00 specific course times may vary with this period.

| Program Courses |  | Units | Status | Total Term Units |
|-----------------|--|-------|--------|------------------|
| Term 1          | MEC 120 CAD 1 <i>or</i> MET 112  | 5     |        | <b>18</b>        |
|                 | MEC 201 Systems Approach <i>or</i> MET 111   | 5     |        |                  |
|                 | MEC 202 Total Mechatronics <i>or</i> MET 113   | 5     |        |                  |
|                 | <b>COLL 102 College Success for All</b>  | 3     |        |                  |
| Term 2          | MEC 115 DC Circuits (Pre-Req MEC 120, 201, 202)  | 5     |        | <b>15</b>        |
|                 | MEC 140 Computer Programming & Logic (CL)  | 5     |        |                  |
|                 | <b>MATH &amp; 141 Precalculus I or higher (pre-req: MAT 099 or equivalent)</b>                                   | 5     |        |                  |
| Fall            | MEC 128 Applied Statics and Strengths of Materials <i>or</i> MET 122 (Pre-Req Math&141)                          | 5     |        | <b>15</b>        |
|                 | MEC 230 Programmable Control of Fluid Power (Pre-Req MEC 115, 140)   | 5     |        |                  |
|                 | <b>ENGL&amp; 101 English Composition <i>or</i> CMST&amp;220 Public Speaking (pre-req: ENG 094 or equivalent)</b> | 5     |        |                  |
| Winter          | MEC 116 AC Circuits (Pre-Req MEC 115)  | 5     |        | <b>15</b>        |
|                 | MEC 165 Robotics <i>or</i> MET 142 (Pre-Req MEC 140)   | 5     |        |                  |
|                 | MEC 240 Motors, Drives, & Mechanical Transfer Systems (Pre-Req MEC 115, 140)                                     | 5     |        |                  |
| Spring          | MEC 132 Lean Manufacturing <i>or</i> MET 132   | 5     |        | <b>15</b>        |
|                 | MEC 235 Programmable Controls & Industrial Networks (Pre-Req MEC 115, 140)                                       | 5     |        |                  |
|                 | <b>PSYC&amp; 100<sup>DIV</sup> General Psychology <i>or</i> SOC&amp; 101<sup>DIV</sup> Intro to Sociology</b>    | 5     |        |                  |
| Term 6          | MEC 163 Industrial Survey (Pre-Req MEC 115, 116)   | 5     |        | <b>15</b>        |
|                 | MEC 273 <sup>CAP</sup> Applied Mechatronics <i>or</i> MEC 290 Capstone Design (Pre-Req MEC 115, 230, 235,        | 5     |        |                  |
|                 | MEC 289 Internship   | 5     |        |                  |
| Electives       | MET 121 Manual Machining   | 5     |        | <b>15</b>        |
|                 | MET 123 2D Cutting CAD/CAM/CNC   | 3     |        |                  |
|                 | MET 131 CAD/CAM/CNC Mills  | 5     |        |                  |
|                 | MET 133 Fixturing & Workflows  | 3     |        |                  |
|                 | MET 141 CAD/CAM/CNC Lathes   | 5     |        |                  |
|                 | MET 143 Programming & Macros   | 3     |        |                  |
|                 | MET 298 Creative Engineering Lab (CEL)   | 5     |        |                  |
|                 | MET 299 Training & Practice  | 1-5   |        |                  |

**Status Key:** X=Completed course, TR= Transferred course, IP= In Progress **Note:** Unit=Credit  
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| Math   | Student Placement        |
|--|--------------------------|
| Adult Basic Education (ABE Math) contact Transitional Studies Dept. Bldg. 10 (253) 589-5702              | <input type="checkbox"/> |
| <b>Stand Alone:</b> MATH& 141 Precalculus I or higher ( <b>pre-req: MAT 99 or equivalent</b> ) (5 Units) | <input type="checkbox"/> |



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Lakewood, WA 98499 253.589.5800

School of Advanced Manufacturing

Mechatronics

**Associate of Applied Technology (AAT) Degree Program Map 2022-2023**

| English  | Student Placement        |
|--|--------------------------|
| Adult Basic Education (ABE English) contact Transitional Studies Dept. Bldg. 10 (253) 589-5702 | <input type="checkbox"/> |
| ENGL& 101/ENSI 101 English Composition w/ supplemental Instruction (8 Units)                   | <input type="checkbox"/> |
| <b>Stand Alone (choose one):</b> ENGL& 101 English Composition (5 Units)                       | <input type="checkbox"/> |

| Individualized Program Map |        |        |        |
|----------------------------|--------|--------|--------|
| Class:                     | Class: | Class: | Class: |
| Class:                     | Class: | Class: | Class: |
| Class:                     | Class: | Class: | Class: |
| Class:                     | Class: | Class: | Class: |
| Class:                     | Class: | Class: | Class: |
| Class:                     | Class: | Class: | Class: |
| Class:                     | Class: | Class: | Class: |
| Class:                     | Class: | Class: | Class: |

**Program Instructor:** Jason Sawatzki **email:** [jason.sawatzki@cptc.edu](mailto:jason.sawatzki@cptc.edu)

**Program Instructor** Michael Mavor **email:** [michael.mavor@cptc.edu](mailto:michael.mavor@cptc.edu)

**Program Counselor:** Taylor McGovern **email:** [taylor.mcGovern@cptc.edu](mailto:taylor.mcGovern@cptc.edu)

**Transferring Course Work into CPTC:** [www.cptc.edu/transfer-to](http://www.cptc.edu/transfer-to) **Email Contact** [evaluator@cptc.edu](mailto:evaluator@cptc.edu)

**Graduation Application:** [www.cptc.edu/enrollment-services](http://www.cptc.edu/enrollment-services) >Transcripts & Graduation >Degree/Certificate Application. Graduation Ceremony Information (Commencement) > Graduation Info

**Career Outlook sites:** [www.onetonline.org](http://www.onetonline.org) [www.worksourcewa.com](http://www.worksourcewa.com)

**Notes:**

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