

Student Name: (First, Last):		Student EMPL #:		Date:
<b>Total Units:</b> 108	<b>Total Cost:</b> <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				
<ul style="list-style-type: none"> <li>▪ To enter program, student must be eligible to take college-level English and college-level Psychology, or another social science or humanities course.</li> <li>▪ This program assumes that students will be able to enroll in, or will have passed, MATH&amp; 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.</li> <li>▪ <b>Program Starts:</b> Fall, Winter, Spring and Summer</li> <li>▪ <b>This Degree could lead to a BAS degree at CPTC.</b></li> </ul>				

Program Courses		Units	Status	Total Term Units
Term 1	MEC 120 CAD 1 <i>or</i> MET 112	5		18
	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		15
	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		15
	MEC 230 Programmable Control of Fluid Power (Pre-Req MEC 115, 140)	5		
	<b>ENGL&amp; 101 English Composition or higher (pre-req: ENG 094 or equivalent)</b>	5		
Winter	MEC 116 AC Circuits (Pre-Req MEC 115)	5		15
	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		15
	MEC 235 Programmable Controls & Industrial Networks (Pre-Req MEC 115, 140)	5		
	<b>PSYC&amp; 100<sup>DIV</sup> General Psychology or SOC&amp; 101<sup>DIV</sup> Intro to Sociology</b>	5		
Term 6	MEC 163 Industrial Survey (Pre-Req MEC 115, 116)	5		15
	MEC 273 <sup>CAP</sup> Applied Mechatronics (Pre-Req MEC 115, 230, 235, 240)	5		
	<b>2<sup>nd</sup> Social Science, Science, or Humanities (please see list below)</b>	5		
Electives	MET 121 Manual Machining	5		1-5
	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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School of Advanced Manufacturing

Mechatronics

**Associate of Applied Science-T (AAS-T) Degree Program Map 2023-2024**

**General Education Elective** Social Science, Science or Humanities Options (choose one 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, CMST& 220, GEOL& 110, HIST& 146, HIST& 147, HIST&148, HUM& 101, MUSC& 105, PHYS& 114, POLS& 202, PSYC& 100<sup>DIV</sup>, PSYC& 200, PSYC& 220, SOC& 101<sup>DIV</sup>.

Math	Student Placement
Adult Basic Education (ABE Math) contact Transitional Studies Dept. Bldg. 10 (253) 589-5702	<input type="checkbox"/>
<b>Stand Alone: MATH&amp; 141</b> Precalculus I or higher ( <i>pre-req: MAT 99 or equivalent</i> ) (5 Units)	<input type="checkbox"/>

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): ENGL&amp; 101</b> 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:** Mike 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*