



**TRADES PROGRAM:  
CAD MECHANICAL ENGINEERING TECHNOLOGY  
ASSOCIATE DEGREE - 1 + 0.5**

Students will begin the program Senior year and finish in January after graduation.

PTC Orientation with families will occur before students begin the program.

Recom. Timeframe	Freshman/Sophomore/Junior Year		WA Credits	PTC Credits	WA Cost	PTC Cost
Full year @ WA	GEM 165: College Algebra	0317 HEC Algebra 2 (WA CCAC ECISHA - MAT 108)	1	4	\$118	\$1,480
Full year @ WA	CAD 104: Engineering Graphics CAD 114: AutoCAD	0706 Drawing & Design for Engineering & Architecture (WA PTC ECISHA - CAD 104 & CAD 114)	1	6	\$300	\$2,220
Full year @ WA	GEE 100 - English Composition 1 GEE 150 - English Composition 2	0122 AP Eng Lang & Comp (WA CCAC ECISHA-ENG 101 & 102)	1	8	\$236	\$2,960
Full year @ WA	GEE 212 - Effective Speech	0151 Oral Communications (WA CCAC ECISHA-SPH 101)	1	4	\$118	\$1,480
College Fees					\$25	\$1,050
<b>TOTAL in Freshman/Sophomore/Junior Year</b>			<b>4</b>	<b>22</b>	<b>\$797</b>	<b>\$9,190</b>
Recom. Timeframe	Senior Year (All classes @ PTC)		WA Credits	PTC Credits	WA Cost	PTC Cost
Oct - Jan	GSD 005 - Steps to Career Success 1	WA Social Studies Credit	1	1	\$100	\$370
Oct - Jan	MET 101: Introduction to Manufacturing	WA Elective Credit	1	3	\$300	\$1,110
Oct - Jan	CAD 154: Industrial Pipe Design	WA Elective Credit	1	4	\$400	\$1,480
Oct - Jan	GES 151 - Critical Thinking	WA Social Studies Credit	1	4	\$400	\$1,480
Oct - Jan	CAD 010: Skills Lab	No credit - Study hall format for drafting	0	0	\$0	\$0
College Fees					\$0	\$600
<b>TOTAL in Oct - Jan Quarter</b>			<b>4</b>	<b>12</b>	<b>\$1,200</b>	<b>\$5,040</b>
Jan - Apr	MET 111: Intro to Parametric Modeling	WA Elective Credit	1	3	\$300	\$1,110
Jan - Apr	MET 121: Introduction to Mechanical Design	WA Elective Credit	1	3	\$300	\$1,110
Jan - Apr	MET 131: Energy Technology	WA Science Credit	1	3	\$300	\$1,110
Jan - Apr	GEM 206 - Personal Finance	WA Math Credit	1	4	\$400	\$1,480
Jan - Apr	GSD 180 - Career Development	WA English Credit	1	2	\$200	\$740
Jan - Apr	CAD 010: Skills Lab	No credit - Study hall format for drafting	0	0	\$0	\$0
College Fees					\$0	\$600
<b>TOTAL in Jan - Apr Quarter</b>			<b>5</b>	<b>15</b>	<b>\$1,500</b>	<b>\$6,150</b>
Apr - July	MET 141: Mechanical Application Software 1	WA Elective Credit	1	4	\$400	\$1,480
Apr - July	MET 201: Mechanical & Fabrication Design	WA Elective Credit	1	4	\$400	\$1,480
Apr - July	CAD 219: Structural Drafting	WA Elective Credit	1	3	\$300	\$1,110
Apr - July	CAD 261: Statics & Strength of Materials	WA Science Credit	1	3	\$300	\$1,110
Apr - July	GES 252: Leadership Principles	WA Elective Credit	1	4	\$400	\$1,480
Apr - July	CAD 010: Skills Lab	No credit - Study hall format for drafting	0	0	\$0	\$0
College Fees					\$0	\$600
<b>TOTAL in Apr - July Quarter</b>			<b>5</b>	<b>18</b>	<b>\$1,800</b>	<b>\$7,260</b>
<b>TOTAL in Senior Year</b>			<b>14</b>	<b>45</b>	<b>\$4,500</b>	<b>\$18,450</b>
<b>Students graduate in May/June - total cost during high school:</b>					<b>\$5,297</b>	

Recom. Timeframe	First year after graduation	Credits	PTC Cost
July - Oct	MET 221: Mechanical Application Software 2	3	\$1,110
July - Oct	MET 231: Geometric Tolerance	3	\$1,110
July - Oct	MET 301: Mechanical Capstone	5	\$1,850
July - Oct	CAD 010: Skills Lab	0	\$0
College Fees			\$450
<b>Credits</b>		<b>11</b>	<b>\$4,520</b>
Oct - Jan	GSI 192/193 - Internship	12	\$4,440
College Fees			\$600
<b>Credits</b>		<b>12</b>	<b>\$5,040</b>
<b>Total for first year after graduation</b>		<b>23</b>	<b>\$9,560</b>
<b>Total cost of program for WA student:</b>			<b>\$14,857</b>

\*Costs based on 2021-2022 tuition rates and are subject to change yearly.

\*Tuition for WA students the 2022-23 school year will be as follows: concurrent enrollment courses - \$50/credit; dual enrollment courses - \$100/credit.