



**TRADES PROGRAM:  
CAD MECHANICAL ENGINEERING TECHNOLOGY  
ASSOCIATE DEGREE - 2 + 0.25**

Students will begin the program Junior year and finish in October after graduation.

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

Recom. Timeframe	Freshman/Sophomore 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
College Fees					\$25	\$450
<b>TOTAL in Freshman/Sophomore Year</b>			<b>2</b>	<b>10</b>	<b>\$325</b>	<b>\$4,150</b>
Recom. Timeframe	Junior Year (Classes @ PTC 11:30 - 2:30)		WA Credits	PTC Credits	WA Cost	PTC Cost
Full year @ WA	GEE 100 - English Composition 1 GEE 150 - English Composition 2	0127 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
Oct - Jan	GSD 005 - Steps to Career Success 1 (1D-1H)	WA Social Studies Credit	1	1	\$100	\$370
Oct - Jan	MET 101: Introduction to Manufacturing (2D-2H)	WA Elective Credit	1	3	\$300	\$1,110
Oct - Jan	CAD 154: Industrial Pipe Design (2D-2/3)	WA Elective Credit	1	4	\$400	\$1,480
Oct - Jan	CAD 010: Skills Lab	No credit - Study hall format for drafting	0	0	\$0	\$0
Jan - Apr	MET 111: Intro to Parametric Modeling (2D-2H)	WA Elective Credit	1	3	\$300	\$1,110
Jan - Apr	GES 151 - Critical Thinking (2D-2H)	WA Social Studies Credit	1	4	\$400	\$1,480
Jan - Apr	CAD 010: Skills Lab	No credit - Study hall format for drafting	0	0	\$0	\$0
College Fees					\$0	\$1,200
<b>TOTAL in Junior Year</b>			<b>7</b>	<b>27</b>	<b>\$1,854</b>	<b>\$11,190</b>
Recom. Timeframe	Senior Year (All classes @ PTC)		WA Credits	PTC Credits	WA Cost	PTC Cost
Oct - Jan	MET 121: Introduction to Mechanical Design	WA Elective Credit	1	3	\$300	\$1,110
Oct - Jan	MET 131: Energy Technology	WA Science Credit	1	3	\$300	\$1,110
Oct - Jan	GEM 206 - Personal Finance (2D-2H)	WA Math 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	\$450
<b>TOTAL in Oct -Jan Quarter</b>			<b>3</b>	<b>10</b>	<b>\$1,000</b>	<b>\$4,150</b>
Jan - Apr	MET 141: Mechanical Application Software 1	WA Elective Credit	1	4	\$400	\$1,480
Jan - Apr	MET 201: Mechanical & Fabrication Design	WA Elective Credit	1	4	\$400	\$1,480
Jan - Apr	CAD 219: Structural Drafting	WA Elective Credit	1	3	\$300	\$1,110
Jan - Apr	CAD 261: Statics & Strength of Materials	WA Science Credit	1	3	\$300	\$1,110
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>16</b>	<b>\$1,600</b>	<b>\$6,520</b>
Apr - July	MET 221: Mechanical Application Software 2	WA Elective Credit	1	3	\$300	\$1,110
Apr - July	MET 231: Geometric Tolerance	WA Math Credit	1	3	\$300	\$1,110
Apr - July	MET 301: Mechanical Capstone	WA Elective Credit	1	5	\$500	\$1,850
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>4</b>	<b>15</b>	<b>\$1,500</b>	<b>\$6,150</b>
<b>TOTAL in Senior Year</b>			<b>12</b>	<b>41</b>	<b>\$4,100</b>	<b>\$16,820</b>
<b>Students graduate in May/June - total cost during high school:</b>						<b>\$6,279</b>
Recom. Timeframe	First year after graduation		Credits		PTC Cost	
July - Oct	GSI 192/193 - Internship		12		\$4,440	
College Fees					\$600	
Credits			12		\$5,040	
<b>Total for first year after graduation</b>			<b>12</b>		<b>\$5,040</b>	
<b>Total cost of program for WA student:</b>					<b>\$11,319</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.