



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

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

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

Tuition for WA students while in high school for PTC courses will be \$100/credit (\$50/credit for dual enrollment courses).

Recom. Timeframe	Freshman/Sophomore/Junior Year		WA Credits	PTC Credits
Full year @ WA	GEM 166: College Algebra	0317 HEC Algebra 2 (WA ECIHSA-RMU - MATH 1010 College Mathematics) OR 0320 AP Precalculus (WA ECIHSA-RMU - MATH 1020 Precalculus)	1	4
Full year @ WA	CAD 104: Engineering Graphics CAD 114: AutoCAD	0706 Drawing & Design for Engineering & Architecture (WA ECIHSA-PTC - CAD 104: AutoCAD & CAD 114: Engineering Graphics)	1	6
Full year @ WA	GEE 101 - English Composition 1 GEE 151 - English Composition 2	0122 AP Eng Lang & Comp (WA ECIHSA-RMU - CSEN 1010: Reading & Writing Strategies & CSEN 1020: Argument & Research)	1	8
Full year @ WA	GEE 212 - Effective Speech	0151 Oral Communications (WA ECIHSA-RMU - CSCM 1030: Communications, Public Speaking and Persuasion)	1	4
Full year @ WA	GEM 206 - Personal Finance	0735 Personal Finance (WA ECIHSA-PTC - GEM 206: Personal Finance)	1	4
TOTAL in Freshman/Sophomore/Junior Year			5	26
Recom. Timeframe	Senior Year (All classes @ PTC)		WA Credits	PTC Credits
Oct - Dec	GSD 005 - Steps to Career Success 1	WAELA Credit	1	1
Oct - Dec	AET 101: Microstation	WA Elective Credit	1	3
Oct - Dec	AET 121: Architectural Drafting 1	WA Math Credit	1	3
Oct - Dec	GES 151 - Critical Thinking	WA Social Studies Credit	1	4
Oct - Dec	CAD 010: Skills Lab	No credit - Study hall format for drafting	0	0
TOTAL in Oct -Jan Quarter			4	11
Jan - Apr	AET 131: Architectural App Software 1	WA Elective Credit	1	3
Jan - Apr	CAD 154: Industrial Pipe Design	WA Elective Credit	1	4
Jan - Apr	AET 141: Bulding & Life Saftety Systems	WA Elective Credit	1	4
Jan - Apr	AET 161: Materials & Construction Methods	WA Science Credit	1	3
Jan - Apr	CAD 010: Skills Lab	No credit - Study hall format for drafting	0	0
TOTAL in Jan - Apr Quarter			4	14
Apr - July	AET 201: Architectural App Software 2	WA Elective Credit	1	4
Apr - July	CAD 219: Structural Drafting	WA Elective Credit	1	3
Apr - July	CAD 261: Statics & Strength of Materials	WA Science Credit	1	3
Apr - July	GSD 180 - Career Development	WA English Credit	1	2
Apr - July	GES 252: Leadership Principles	WA Elective Credit	1	4
Apr - July	CAD 010: Skills Lab	No credit - Study hall format for drafting	0	0
TOTAL in Apr - July Quarter			5	16
TOTAL in High School			18	67
Recom. Timeframe	First year after graduation		Credits	
July - Sept	AET 171: Civil/Topographical Drafting		3	
July - Sept	AET 181: Civil Application Software		3	
July - Sept	AET 301: Architectural Capstone		5	
Credits			11	
Oct - Dec	GSI 192/193 - Internship		12	
Credits			12	
Total for first year after graduation			23	

*Courses/curriculum are subject to change at the college's discretion.

Updated January 2024