



**TRADES PROGRAM:
ROBOTICS & AUTONOMOUS ENGINEERING TECHNOLOGY
ASSOCIATE DEGREE - 1 + 0.75**

Students will begin the program Senior year and finish in April 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: Auto CAD & 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
TOTAL in Freshman/Sophomore/Junior Year			4	22
Recom. Timeframe	Senior Year (All classes @ PTC)		WA Credits	PTC Credits
Oct - Dec	GSD 005 - Steps to Career Success 1 (1D-1H)	WA ELA Credit	1	1
Oct - Dec	GES 102: Wellness & Resilience for College & Beyond	WA Elective Credit	1	4
Oct - Dec	ELC 131: Blueprint Reading	WA Elective Credit	1	2
Oct - Dec	ELT 102: Math for Engineering Technology	WA Math Credit	1	4
Oct - Dec	ELT 010: Skills Lab	No credit - Study hall format	0	0
TOTAL in Oct -Dec Quarter			4	11
Jan - Apr	MET 101: Introduction to Manufacturing (2D-2H)	WA Elective Credit	1	3
Jan - Apr	ELT 103: Intro to Electronics	WA Science Credit	1	4
Jan - Apr	GES 151 - Critical Thinking (2D-2H)	WA Social Studies Credit	1	4
Jan - Apr	MET 111: Intro to Parametric Modeling (2D-2H)	WA Elective Credit	1	3
Jan - Apr	ELT 010: Skills Lab	No credit - Study hall format	0	0
TOTAL in Jan - Apr Quarter			4	14
Apr - July	ELT 248: Robotics	WA Elective Credit	1	4
Apr - July	GEE 316: Technical Report Writing	WA Elective Credit	1	4
Apr - July	GSD 180 - Career Development	WA Elective Credit	1	2
Apr - July	GEM 201: Trigonometry	WA Math Credit	1	4
Apr - July	ELT 010: Skills Lab	No credit - Study hall format	0	0
TOTAL in Apr - July Quarter			4	14
TOTAL in High School			16	61
Recom. Timeframe	First year after graduation		Credits	
Apr - July	MET 221: Mechanical Application Software 2		3	
Apr - July	IST 421: Project Management		4	
Apr - July	ITA 297: Network Operating Systems 3		5	
Apr - July	ELT 010: Skills Lab		0	
Credits			12	
July - Sept	ELC 161: Motor Controls		5	
July - Sept	ELT 276: Physics for Engineering Technology		4	
July - Sept	IST 376: Intro to Robotics and AI Programming		4	
Credits			13	
Oct - Dec	GES 252: Leadership Principles		4	
Oct - Dec	GSI 192: Internship		8	
Credits			12	
Total for first year after graduation			37	

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

Updated January 2024