



**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 CCAC ECISHA - MAT 108)	1	4
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
Full year @ WA	GEE 101 - English Composition 1 GEE 151 - English Composition 2	0122 AP Eng Lang & Comp (WA CCAC ECISHA-ENG 101 & 102)	1	8
Full year @ WA	GEE 212 - Effective Speech	0151 Oral Communications (WA CCAC ECISHA-SPH 101)	1	4
TOTAL in Freshman/Sophomore/Junior Year			4	22
Recom. Timeframe	Senior Year (All classes @ PTC)		WA Credits	PTC Credits
Oct - Jan	GSD 005 - Steps to Career Success 1 (1D-1H)	WA ELA Credit	1	1
Oct - Jan	GES 102: Wellness & Resilience for College & Beyond	WA Elective Credit	1	4
Oct - Jan	ELC 131: Blueprint Reading	WA Elective Credit	1	2
Oct - Jan	ELT 102: Math for Engineering Technology	WA Math Credit	1	4
Oct - Jan	ELT 010: Skills Lab	No credit - Study hall format	0	0
TOTAL in Oct - Jan 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 Senior Year			12	39
Recom. Timeframe	First year after graduation		Credits	
	MET 221: Mechanical Application Software 2		3	
	IST 421: Project Management		4	
	ITA 297: Network Operating Systems 3		5	
	ELT 010: Skills Lab		0	
	Credits		12	
July - Oct	ELC 161: Motor Controls		5	
July - Oct	ELT 276: Physics for Engineering Technology		4	
July - Oct	IST 376: Intro to Robotics and AI Programming		4	
	Credits		13	
Oct - Jan	GES 252: Leadership Principles		4	
Oct - Jan	GSI 192: Internship		8	
	Credits		12	
Total for first year after graduation			25	