APPRENTICESHIP PROGRAMS —————

Apprentices can choose from the	Manufacturing Production Tech I	Manufacturing	Production Tech II	
following programs that are currently in high-demand and receive gainful employment:	Conventional Machine Operator	Computer Numerical Control (CNC) Operator	Computer Numerical Control (CNC) Programmer	Industrial Automation
Programs & Courses:	This program is designed to prepare students with basic entry-level machine operator skills, safety knowledge, theory, and quality control skills in manufacturing processes.	Computer control programmers and operators use computer numerically controlled (CNC) machines to produce a wide variety of products, from automobile engines to computer keyboards.	The CNC Programming program teaches how to design and carry out the operations needed to make machined products that meet precise specifications	The Industrial Automation program teaches how to use electronics, programmable logic control and fluid power systems to create and program new machinery used in industry
APP-450: Apprenticeship Work Experience	8 units (2 semesters)	16 units (4 semesters)	16 units (4 semesters)	16 units (4 semesters)
ELE-10: Survey of Electronics				X
ELE-27: Technical Communication				X
ENE-30: Computer Aided Drafting (CAD)			X	
ENE-42: SolidWorks I	X	X	X	
DFT/ENE-51: Blueprint Reading	X	X	X	X
ENE-52: Geometric Dimensioning and Tolerancing			X	
ENE-60: Math for Engineering Technology (OR MAT-36: T			X	
ENE-62: Math for Automation				X
MAN-35: Computer-Aided Manufacturing- Mastercam			X	
MAN-36: General Machine Shop & Theory of Machining	Х	X		
MAN-55: Occupational Safety & Health Administration (OSHA)	X	X	X	Х
MAN-56: CNC Machine Set-Up and Operation		X	X	
MAN-57: CNC Program Wiring		X	X	
MAN-60: Hydraulic & Pneumatics Systems				X
MAN-64: Programmable Logic Controllers				X
MAN-74: Industrial Wiring and Controls				Х