

Program of Study Sequence

Community College Kishwaukee College

High School Rochelle Township High School

Program of Study: Tool and Die Maker/Technologist

CIP Code 48 - 0507

Cluster Manufacturing

Pathway Production

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Tech Lab-Prod I/Trans I (1/2)	English I	Algebra I	Biology	World Geography	Foreign Language Business Ed	
	10	Computer Graphics	Rhet & Comp., Speech	Geometry	Natural Science	World History		
	11	Tech Lab-Prod. Tech II (1/2); Manufacturing Engineering Technology Academy 1 (2)--KC dual credit for MT 101, MT 151, MT 215	Bus Tech Writing (1/2)and Amer Lit (1/2)	Algebra II	Courses Required for Graduation	American History I & II	Foreign Language Consumer Ed Related Electives. Skills USA (KEC)	
	12	Eng.Drafting (CAD) (1/2); Manufacturing Engineering Technology Academy 2 (2)--KC Dual Credit for MT 103, MT 152, MT 216	Expos/ENG 103 (DC)	Foundations for College Math	Courses Required for Graduation	Government		
POSTSECONDARY	13	MT 294 Adv. CNC; MT 216 Fabrication Practices; MT 296 Computer-Aided Manufacturing; CAD, MT, WT, electives	SPE 100 Fundamentals of Speech	MT 151 Machine Shop Math I and MT 152 Machine Shop Math II			Bus 101 Intro to business Skills USA	MT 280 Orientation to Internship
	14 (Fall)	MT 294 Adv. CNC; MT 216 Fabrication Practices; MT 296 Computer-Aided Manufacturing; CAD, MT, WT, electives	ENG 109 Tech Report Writing or ENG 103 Composition both required by NIU	Required by NIU: MAT 155 Trig	Science Elective; Required by NIU: CHE 110; CHE 111	Gen Ed Elective; Required by NIU: 3 Humanities electives; 1 Soc Sci elective; 1 interdisciplinary elective	Required by NIU: CAD 151; ELE 101; ACC 121	MT 283 MT Internship
	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	ECO 100 Consumer Economics or ECO 260 Principles of Macroeconomics	Career Opportunities ► Machine Operator ► Medical Appliance Maker ► Micro and Nano Fabrication Technicians ► Milling Machine Setter and Set-Up Operator ► Millwright ► Pattern and Model Maker ► Precision Layout Worker ► Sheet Metal Worker ► Solderer and Brazier ► Tool and Die Maker ► Welder	
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

Kishwaukee Educational Consortium Dual Credit Classes

Kishwaukee college Dual Credit Classes