



Lake Central High School

Cluster: Machine Technology - Manufacturing & Logistics
Pathway: Precision Machine Technology
Concentration: Machines



G R A D E	S U B J E C T	Required Courses for Core 40 (with Honors Diploma **)					Recommended Courses and Electives		
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Integrated Chem/Physics or Chemistry or Physics	Geo/History of the World or World History	**Fine Arts	PE-Gym if not taken during the summer	Interpersonal Relations	
	Preparing for College and Careers					PE –Pool if not taken during the summer	Human Development & Family Wellness		
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry or Physics Biology	Introduction to Manufacturing (Precision Machine I)	**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Introduction to Business	
	Personal Financial Responsibility								
11	S1	English 11	Algebra II or Pre-Calculus	Additional 2 credits from any other Core 40 Science	U.S. History	Precision Machine II	Precision Machine II	Precision Machine II	
								Full Year Block	
12	S1	English 12	Pre-Calculus or Calculus or Statistics		Government	Precision Machine III	Precision Machine III	Precision Machine III	
	Economics							Full Year Block	

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course and postsecondary course objectives

High School Course	Postsecondary Course
Precision Machines I	INDT - 102 Ivy Tech
Precision Machine II	MTTC - 101 Ivy Tech
Precision Machine III	MTTC - 105/110 Ivy Tech