



Lake Central High School

Cluster: STEM

Pathway: Engineering/Engineering Technology
Concentration: Engineering



GRADE	SUBJECT	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	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Introduction to Engineering Design	College Prep Elective
	Preparing for College and Careers					PE –Pool if not taken during the summer			College Prep Elective
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics		**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Principles of Engineering	College Prep Elective
	S2					**Fine Arts			
11	S1	English 11	Algebra II or Pre-Calculus	Physics	U.S. History	Personal Financial Responsibility	**World Language	Computer Science II	AP Chemistry
	S2					Digital Applications and Responsibility			
12	S1	English 12	Pre-Calculus or Calculus or Statistics	AP Physics	Government	Chemistry Honors ACP I	**World Language	Civil Engineering Arch	
	S2				Economics	Chemistry II Honors			

Six highlighter courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

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

High School Course	Postsecondary Course
Digital Applications and Responsibility	Introduction to Microcomputers
Computer Science II	Introduction to Software Development
Chemistry Honors ACP I	C101 and C121 - IUB