

STEM ACADEMY: INSTRUMENTATION PROGRAM													
HIGH SCHOOL/SECONDARY										COLLEGE/POSTSECONDARY			
Subjects		9th		10th		11th		12th		Year 5		Year 6	
		Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Semester I (Fall)	Semester II (Spring)	Semester III (Fall)	Semeter IV (Spring)
English	1	English I		English II		English III		English IV					
Math	2	Algebra I		Geometry		Algebra 2		4th Math					
Science	3	Biology		2nd Science		3rd Science		4th Science					
Social Studies	4	World Geography		Fine Arts		US History		Economics	Government				
Additional Requirements & Electives	5	LOTE I		LOTE II		PE		Elective	ELPT 2355 Programmable Logic Controllers II				
	6	Elective		INTC 1305 Introduction to Instrumentation	TECM 1301 Industrial Mathematics	INTC 1456 Instrumentation Calibration	INTC 1441 Fundamentals of Automatic Controls	INTC 1350 Digital Measurements & Controls	ELPT 1441 Motor Control				
STEM: Instrumentation Pathway	7	Introduction to Engineering Design		ELPT 1411 Basic Electrical Theory	CTEC 1401 Applied Petrochemical Technology	INTC 1343 App Industrial Automatic Controls	ELPT 2319 Programmable Logic Controllers	INTC 2433* Instrumentation Sys Installation	ELPT 2331 AC/DC Drives				
Work Experience													
		High School Courses		CTE courses		Dual Credit Courses							