

Career Plan of Study

Science, Technology, Engineering & Mathematics

Learner Name _____

Date _____

Learner Signature _____

Advisor Signature _____

Parent/Guardian Signature (if required) _____

*This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only **RECOMMENDED** coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements. If you enter 9th grade prior to 2007-2008, core requirements may differ.*

		9 th Grade	10 th Grade	11 th Grade	12 th Grade	
High School		English I	English II	English III	English IV	
		Algebra I or Geometry	Geometry or Algebra II or Applied Algebra II	Algebra II or Applied Algebra II, or Pre-Calculus	Calculus or Advanced Topics in Algebra	
		IPC (Integrated Physics & Chemistry) or Biology I	Biology I or Chemistry or Physics in Context	Chemistry or Physics in Context or Physics	AP Biology, AP Chemistry, or AP Physics	
		World Geography	World History	American History	Economics/Government	
		Required Courses/Electives PE (See chart for PE substitutions), Health, Fine Arts, Foreign Language, Technology Applications, Communication Applications	Additional High School Electives Computer Science I & II Engineering Graphics Architectural Graphics Environmental Systems Animal Science Construction Systems (Wood Shop)			Technical Introduction to Computer Aided Drafting (CAD) Internetworking Tech I & II (CISCO) Electricity/Electronics I & II BCIS (Business Computer Information Systems) Communication Graphics (Photography) Diversified Career Prep
		Career Electives Tech Lab BCIS (Business Computer Information Systems)	The above classes are suggested for all students with engineering goals.			
	Due to the wide variations in Engineering, students are encouraged to make elective decisions based on specific field of intent.					
Post-Secondary	Technical School	Junior College		College/University		
	<input type="checkbox"/> Automated Manufacturing Technology <input type="checkbox"/> Drafting and CAD <input type="checkbox"/> Electronics <input type="checkbox"/> Industrial Maintenance <input type="checkbox"/> Manufacturing Engineering Technology <input type="checkbox"/> Precision Machining	<input type="checkbox"/> Design Engineering Technology <input type="checkbox"/> Pre-Engineering <input type="checkbox"/> Industrial Drafting <input type="checkbox"/> Biology <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> Mathematics		<input type="checkbox"/> Mechanical Engineering <input type="checkbox"/> Civil Engineering <input type="checkbox"/> Mathematics <input type="checkbox"/> Biology <input type="checkbox"/> Biochemistry <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> Management Science and Systems Analysis		

