



Vermont Career Pathway Student Plan of Study Template

Cluster: Science, Tech, Pathway: Engineering/Tech/Science/Math Programs: STEM Studies

High School: _____ Career Center: _____

Education Levels	Grade	English	Math	Science	History Social Studies	Other Required Courses	Elective Courses	Career & Technical Courses	Dual Enrollment and College Transition Opportunities Relating to this Pathway	Sample Industry Certifications Relating to this Pathway	Sample Occupations Relating to this Pathway
Secondary	9	<input type="checkbox"/> English I	<input type="checkbox"/> Algebra I	<input type="checkbox"/> Biology	<input type="checkbox"/> HS Requirement	<input type="checkbox"/> Physical Education	<input type="checkbox"/> Foreign Language	<input type="checkbox"/> Environmental Science	Human Biology (CCV) Website Development (CCV) Concepts of PC Hardware (CCV) Concepts of LAN (CCV) Operating Systems (CCV) Environmental Science		⇒ Computer Support Specialist ⇒ Health Technologist/Technician ⇒ Clinical Data Manager
	10	<input type="checkbox"/> English II	<input type="checkbox"/> Geometry	<input type="checkbox"/> Chemistry	<input type="checkbox"/> HS Requirement	<input type="checkbox"/> Physical Education	<input type="checkbox"/> Foreign Language	<input type="checkbox"/> Programming & Computer Science			
	11	<input type="checkbox"/> English III	<input type="checkbox"/> Algebra II	<input type="checkbox"/> Physics	<input type="checkbox"/> HS Requirement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Computer Technology			
	12	<input type="checkbox"/> English/Lit	<input type="checkbox"/> Statistics <input type="checkbox"/> Pre-Calc	<input type="checkbox"/> Elective Science	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Engineering/Manufacturing			
Post-Secondary	13	<input type="checkbox"/> Dimensions of Self & Society	<input type="checkbox"/> English Composition	<input type="checkbox"/> Website Development	<input type="checkbox"/> Technical Writing & Research	<input type="checkbox"/> Math	<input type="checkbox"/> Lab Science	<input type="checkbox"/> Human Expression	<input type="checkbox"/> Concepts of PC Hardware	<input type="checkbox"/> Scientific Method	
	14	<input type="checkbox"/> Research & Writing Intensive	<input type="checkbox"/> Human Behavior	<input type="checkbox"/> Scientific Method	<input type="checkbox"/> Global Perspectives & Sustainability	<input type="checkbox"/> Human Biology	<input type="checkbox"/> Environmental Science	<input type="checkbox"/> Professional Field Experience	<input type="checkbox"/> Desktop Operating Systems	<input type="checkbox"/> Seminar in Educational Inquiry	
	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Academic Standards	SAT - Not required. If taken, score >500 Accuplacer - 85R, 85W, 66M, 44Alg	Civic Engagement Community Service Apprenticeship Co-op Internship	
Certificates Diplomas and Degrees	Associate Degree		

* Check with your school counselor for your high school's graduation requirements