



Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

REQUIRED HIGH SCHOOL CREDITS	English (4 cr), Social Studies (3 cr), Math (3 cr), Science (3 cr), Health (.5 cr) and Fitness (1.5 cr), Visual and Performing Arts (2 cr), Career and Technical Education (CTE) (1cr), and Personal Pathway Requirements (PPR) (2 cr), Electives (4cr)				
PERSONAL PATHWAY OPTIONS⁺	AP Environmental Science, AP Computer Science, Automotive, Automotive Service Technology – NMSC, BioTech/Forensics, Calculus, Career Choices, Chemistry, Collision Repair Technology – NMSC, Computer Hardware & Networking – NMSC, Digipen Computer Science AP – NMSC, Construction Trades – NMSC, Financial Literacy, Green Technology, Greenhouse Management, Home Shop, Introduction to Computer Science, Landscape Construction, Landscape Design, Manufacturing Design, Office Management, Physics, Pre-Calculus, Pre-Veterinary Technician – NMSC, Professional Medical Careers – NMSC, Project Management, Robotics, Small Engines, Sports Medicine; Stage Craft, Sustainable Habitats, Vet Science, Web Design, World Language*				
EDUCATION OPTIONS	TECHNICAL CERTIFICATION <i>Instruction provided through certified training centers</i>	APPRENTICESHIP OPPORTUNITIES <i>To learn more about Apprenticeship, visit Apprenticeship WA website</i>	2-YR OR TECHNICAL DEGREE <i>Find specific colleges at SBCTC</i>	4 –YR DEGREE <i>Find specific colleges at Student Achievement Council</i>	
SAMPLES	<ul style="list-style-type: none"> • Biology Technician • Biotechnology Laboratory Technician • Surveying Technology 	<ul style="list-style-type: none"> • Electronics Technician • Engineer Technician • Estimator • Industrial Instrument Technician • Quality Control • Technical Engineer 	<ul style="list-style-type: none"> • Biology Technician • Biotechnology Laboratory Technician • Chemical Technology • Engineering Technology • Surveying Technology • Wildlife and Wild Lands Management 	<ul style="list-style-type: none"> • Aerospace Engineering • Bioengineering • Animal Genetics • Applied Math • Meteorology • Biology/Chemistry/Physics • Civil Engineering • Ecology • Electrical Engineering • Environmental Science • Geology • Mechanical Engineering • Zoology 	
CAREER OPTIONS	LITTLE OR NO EDUCATION	SOME EDUCATION	MEDIUM EDUCATION	CONSIDERABLE EDUCATION	EXTENSIVE EDUCATION
SAMPLE RELATED JOBS Career Cruising careerbridge.wa.gov Videos BOLD JOBS ARE IN DEMAND		<ul style="list-style-type: none"> • Weighers, Measurers, Checkers, and Samplers, Recordkeeping 	<ul style="list-style-type: none"> • Avionics Technician • CAD Technician • Cartographers/ Photogrammetrist • Chemical Tech • Civil Engineering Tech • Computer Programmer • Electronics Tech • Environmental Science and Protection Tech • Forensic Tech • Survey Technician 	<ul style="list-style-type: none"> • Biological Technician • Biomedical Engineer • Chemical Engineers • Civil Engineer • Electrical Engineer • Environmental Engineer • Industrial Engineer • Materials Engineer • Mechanical Engineer • Microbiologist • Nuclear Engineer 	<ul style="list-style-type: none"> • Aerospace Engineer • Biochemists and Biophysicist • Conservation Scientist • Engineering Mgr • Environmental Scientist • Epidemiologist • Geoscientist • Hydrologist • Materials Scientist • Physicists • Zoologist
<p>⁺PPR: related courses that lead to a specific post-high school career or educational outcome chosen by the student and based on the student's interests and High School and Beyond Plan and are intended to provide a focus for the student's learning, which may include Career and Technical Education, one of the required Art credits and/or two credits in the same World Language.</p> <p>*Two consecutive years of the same World Language are needed for entrance into a 4yr University/College and will meet the PPR requirement.</p>					