



PROGRAM OF STUDY



Career Cluster: Manufacturing
Environmental Assurance

Career Cluster Pathway: Health, Safety and

This Career Pathway Program of Study can serve as a guide along with other career planning materials as learners continue on a career path. Courses listed within this program are only recommended coursework and should be individualized to meet each learner's education and career goals. **Note:** Many items have links to external resources with more information.

REQUIRED CREDITS	GRADE	English/ Language Arts (4.0 credits)	Social Studies (2.5 credits)	Math (2.0 credits)*	Science (2.0 credits)	Fine Arts (1.0 credits)	Health/ Fitness (2.5 credits)**	Electives (6.5 credits)	Related Career & Technical/ Occupational (1.0 credits) Certificate and Tech Prep (notation on HS and TP alignment)	SAMPLE Occupations Relating To This Pathway (*indicates job in high demand) (⊙ indicates a "green" job)
SECONDARY SAMPLE COURSE OFFERINGS	9	English 1 or Honors English 1	Pacific Northwest History (.5)	Algebra I Geometry	Integrated Science or Adv Int Science		Health (.5)		ASD CTE COURSE OPTIONS Industrial Engineering Advanced Industrial Engineering Natural Resource I Natural Resource II Work Based Learning CTE Grad Project LEADERSHIP SkillsUSA TECH PREP ARTICULATIONS Natural Resources I – Grays Harbor College (5cr.) CERTIFICATIONS Work Readiness Credential Refrigeration Handlers Certification	Some Preparation <ul style="list-style-type: none"> • Safety Team Leader • Hazardous Materials Removal Workers Medium Preparation <ul style="list-style-type: none"> • Health and Safety Representative • Safety Technician • Safety Coordinator • Environmental Specialist Considerable Preparation <ul style="list-style-type: none"> ⊙ Air Pollution Specialist ⊙ Air Quality Specialist and Enforcement Officer ⊙ Auditing Services Sales Consultant ⊙ Commercial Energy Field Auditor • CTE Teacher ⊙ Environmental Compliance Specialist • Environmental Engineer ⊙ Industrial Energy Field Auditor ⊙ Renewable Energy Consultant ⊙ Residential Energy Field Auditor ⊙ Safety Engineer
	10	English 2 or Honors English 2	US History	*Class of 2013 (add't 1.0 credit) or Algebra II or Pre-Calculus	Biology <u>or</u> AP Biology <u>or</u> Biotechnology <u>or</u> Horticulture <u>or</u> Natural Resources I	Credits from Art Courses or CTE Equivalent	Credits from Health and Fitness Courses **Successfully completing two years of physical education and one semester of health is required for high school graduation.	Elective courses (6.5) and Project Me and Other CAA requirements		
	11	English Electives or Business English	World History <u>or</u> Economics <u>or</u> Economics II	Calculus or CTE Equivalent						
	12	English Electives or Business English	World History <u>or</u> Economics <u>or</u> Economics II <u>and</u> CWP	(Students must pass a math competency test or have four years of math credits.)						
Y ED UC	Technical Certification (instruction provided through certified training and/or testing centers)		Apprenticeship Opportunities		2-yr or ATA Degree (Find specific colleges at www.checkoutcollege.com)				4 -yr Degree or Advanced Training	

<p><u>Construction Trades</u></p> <ul style="list-style-type: none"> • Renton Technical College • Skagit Valley College • Seattle Vocational Institute • Bates Technical College • Northwest Indian College • Northwest Indian College • Seattle Vocational Institute <p><u>Hazmat</u></p> <ul style="list-style-type: none"> • West Coast Training <p><u>Mechanic and Repair Technologies</u></p> <ul style="list-style-type: none"> • Shoreline Community College 	<p>To learn more about Apprenticeship, visit Labor and Industries website.</p> <p>This pathway does not currently have any active apprenticeships.</p>	<p><u>Environmental Engineering Technology</u></p> <ul style="list-style-type: none"> • Clover Park Technical College • Shoreline Community College <p><u>Mechanic and Repair Technologies</u></p> <ul style="list-style-type: none"> • Shoreline Community College 	<p><u>Environmental Engineering</u></p> <ul style="list-style-type: none"> • Washington State University <p><u>CTE Secondary Education Teacher</u></p> <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2000 hours of related work experience • Industry Route Certificate requires 6000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English 	
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*Data acquired from www.workforceexplorer.com, www.sbctc.edu, www.careerclusters.org, and www.edf.org/cagreenjobs,
Adapted from <http://www.nthurston.k12.wa.us/education/components/scrapbook/default.php?sectiondetailid=34988>