

PROGRAM OF STUDY



Career Cluster: Transportation, Distribution, and Logistics Management and Regulation

Career Cluster Pathway: Transportation Systems/Infrastructure Planning

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	9	English 1 or Honors English 1	Pacific Northwest History (.5)	Algebra I Geometry	Integrated Science or Adv Int Science	Credits from Art Courses or CTE Equivalent	Health (.5)	Elective courses (6.5) and Project Me and Other CAA requirements	ASD CTE COURSE OPTIONS Car Care Intro to Auto Tech Auto Tech Advanced/Cooperative Work Experience Industrial Engineering Advanced Industrial Engineering Work Based Learning CTE Grad Project LEADERSHIP SkillsUSA TECH PREP ARTICULATIONS Auto Tech Advanced – Grays Harbor College (5cr.) Beginning Industrial Engineering – Bates (7.5cr.) CERTIFICATION AYES Certification Refrigerant Handlers Certificate	Some Preparation ● Hydrogen Pipeline Construction Medium Preparation ● Air Traffic Controllers ● Airfield Operations Specialists ● Surveying and Mapping Technician Considerable Preparation ● Aerospace Engineering and Operations Technicians* ● Air Pollution Specialist ● Aviation Inspector ● Customs Inspector ● Department of Transportation (DOT) Officer ● Engineering Technician ● Environmental Compliance Inspector ● Freight Inspector ● Logisticians* ● Logistics System Manager ● Marine Cargo Inspector ● Motor Vehicle Inspector ● Port Manager ● Public Transportation Inspector ● Railroad Inspector ● Regulator ● Traffic Technicians ● Transportation System Design for Construction, Urban Planning, and Environmental Engineering	
	10	English 2 or Honors English 2	US History	*Class of 2013 (add't 1.0 credit) or Algebra II or	Biology or AP Biology or Biotechnology or Horticulture or Natural Resources I		Credits from Health and Fitness Courses				**Successfully completing two years of physical education and one semester of health is required for high school graduation.
	11	English Electives or Business English	World History or Economics or Economics II	Pre-Calculus or Calculus or CTE Equivalent	Science Electives						
	12	English Electives or Business English	World History or Economics or Economics II and 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	Extensive Preparation ● Civil Engineer ● Environmental Engineer	

<p><u>Air Traffic Controller</u></p> <ul style="list-style-type: none"> • Green River Community College <p><u>Logistics & Materials Management</u></p> <ul style="list-style-type: none"> • Shoreline Community College <p><u>Surveying Technology</u></p> <ul style="list-style-type: none"> • Bates Technical College • Bellingham Technical College • Renton Technical College <p><u>Traffic, Customs, and Transportation Clerk/Technician</u></p> <ul style="list-style-type: none"> • Lower Columbia 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>Air Traffic Controller</u></p> <ul style="list-style-type: none"> • Green River Community College <p><u>Purchasing /Logistics Mgmt</u></p> <ul style="list-style-type: none"> • Shoreline Community College • Tacoma Community College <p><u>Surveying Technology</u></p> <ul style="list-style-type: none"> • Bates Technical College • Bellingham Technical College • Clark College • Renton Technical College • South Puget Sound Community College <p><u>Transportation & Logistics Mgmt</u></p> <ul style="list-style-type: none"> • Spokane Falls Community College 	<p><u>Aerospace, Aeronautical and Astronautical Engineering</u></p> <ul style="list-style-type: none"> • University of Washington <p><u>City/Urban, Community and Regional Planning</u></p> <ul style="list-style-type: none"> • Eastern Washington University • University of Washington <p><u>Civil Engineering</u></p> <ul style="list-style-type: none"> • Gonzaga University • Saint Martin's University • Seattle University • University of Washington • Washington State University 	<ul style="list-style-type: none"> • Ship Engineers • Transportation Engineer
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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>

Revised: 1/4/10