



PROGRAM OF STUDY



Career Cluster: Manufacturing

Career Cluster Pathway: Quality Assurance

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)		<u>ASD CTE COURSE OPTIONS</u> Digital Communications/ Digitools Computer Applications Work Based Learning CTE Grad Project <u>LEADERSHIP</u> FBLA Skills USA <u>TECH PREP ARTICULATIONS</u> Digital Communications/Digitools – Grays Harbor College Computer Applications – Grays Harbor College (12cr.) <u>CERTIFICATIONS</u> MOS Certification Work Readiness Credential	<u>Medium Preparation</u> <ul style="list-style-type: none"> • Calibration Technician • Process Control Technician • Quality Control Technician • Lab Technician <u>Considerable Preparation</u> <ul style="list-style-type: none"> • Inspector • Quality Engineer • SPC Coordinator • CTE Teacher
	10	English 2 or Honors English 2	US History	*Class of 2013 (add't 1.0 credit) Algebra II	Biology <u>or</u> AP Biology <u>or</u> Biotechnology <u>or</u> Horticulture <u>or</u> Natural Resources I			Elective courses (6.5)		
	11	English Electives or Business English	World History <u>or</u> Economics <u>or</u> Economics II	Pre-Calculus Calculus		Credits from Art Courses C Credits from Health and Fitness Courses		Project Me Other CAA requirements		
	12	English Electives or Business English	World History <u>or</u> Economics <u>or</u> Economics II <u>and</u> CWP	CTE Equivalent (Students must pass a math competency test or have four years of math credits.)	Science Electives		**Successfully completing two years of physical education and one semester of health is required for high school graduation.			
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>Computer Programming</u></p> <ul style="list-style-type: none"> • South Puget Sound Community College and various other technical and community colleges <p><u>Data Processing and Data Processing Technology/Technician</u></p> <ul style="list-style-type: none"> • South Puget Sound Community College and various other technical and community colleges 	<p>To learn more about Apprenticeship, visit Labor and Industries website.</p> <p>Follow these steps to learn about the specific apprenticeships available in this pathway:</p> <p><u>STEP 1:</u> Link to Apprenticeship Registration and Tracking System</p> <p><u>STEP 2:</u> Search by using key words below or the SOC code listed</p> <ul style="list-style-type: none"> • Quality Control (17-3026) • Tooling Inspector (51-9061) <p><u>STEP 3:</u> Click “View” and scroll down to find contact name and program standards for qualifications and how to apply</p>	<p><u>Computer Programming</u></p> <ul style="list-style-type: none"> • South Puget Sound Community College and various other technical and community colleges <p><u>Data Processing and Data Processing Technology/Technician</u></p> <ul style="list-style-type: none"> • South Puget Sound Community College and various other technical and community colleges 	<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 	
--	--	--	---	--

*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>