



# PROGRAM OF STUDY

Career Cluster: Manufacturing

Career Cluster Pathway: Logistics & Inventory Control



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><b>ASD CTE COURSE OPTIONS</b></u>  Digital Communications/ Digitools Industrial Engineering Advanced Industrial Engineering Natural Resource I Natural Resource II Wood Technology I Wood Technology II Work Based Learning CTE Grad Project  <u><b>LEADERSHIP</b></u>  SkillsUSA  <u><b>TECH PREP ARTICULATIONS</b></u>  Digital Communications/Digitools – Grays Harbor College  Natural Resources I – Grays Harbor College (5cr.) (3cr.)  Wood Technology II – Grays Harbor College (5cr.)  <u><b>CERTIFICATIONS</b></u>  Work Readiness Credential  Refrigeration Handlers Certification	<u><b>Little or No Preparation</b></u> <ul style="list-style-type: none"> <li>Freight, Stock, and Material Mover</li> </ul> <u><b>Some Preparation</b></u> <ul style="list-style-type: none"> <li>Dispatcher</li> <li>Energy Conservation Representative</li> <li>Field Energy Consultant</li> <li>Industrial Truck and Tractor Operator</li> <li>Materials Handler</li> <li>Materials Mover</li> <li>Traffic, Shipping, and Receiving Clerk</li> </ul> <u><b>Medium Preparation</b></u> <ul style="list-style-type: none"> <li>Communications, Transportation and Utilities Manager</li> <li>Materials Associate</li> <li>Power System Operator</li> <li>Process Improvement Technician</li> <li>Quality Control Technician</li> </ul> <u><b>Considerable Preparation</b></u> <ul style="list-style-type: none"> <li>CTE Teacher</li> <li>Energy Manager and Analyst</li> <li>Logistical Engineer</li> <li>Logistician</li> <li>Traffic Manager</li> </ul> <u><b>Extensive Preparation</b></u> <ul style="list-style-type: none"> <li>Energy Efficiency Finance Manager</li> <li>Energy Commission Specialist</li> <li>Smart Grid Engineer</li> </ul>
	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  CTE Equivalent	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 <a href="http://www.checkoutcollege.com">www.checkoutcollege.com</a> )		4 –yr Degree or Advanced Training		

- Logistics and Materials Management**
- Shoreline Community College
- Traffic, Customs, and Transportation Clerk/Technician**
- Lower Columbia College
- Vehicle and Equipment Operators**
- Bates Technical College
  - Spokane Community College
  - Western Pacific Truck School/Everett
  - West Coast Training

To learn more about Apprenticeship, visit [Labor and Industries](#) website.

This pathway does not currently have any active apprenticeships.

- Logistics and Materials Management**
- Shoreline Community College
- Vehicle and Equipment Operators**
- Spokane Community College

- CTE Secondary Education Teacher**
- 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](http://www.workforceexplorer.com), [www.sbctc.edu](http://www.sbctc.edu), [www.careerclusters.org](http://www.careerclusters.org), and [www.edf.org/cagreeenjobs](http://www.edf.org/cagreeenjobs),  
Adapted from <http://www.nthurston.k12.wa.us/education/components/scrapbook/default.php?sectiondetailid=34988>