Why, What and How?

Maritime, Manufacturing and Supply Chain Logistics
Why choose these career fields?
WHY MARITIME?

• Average $67,000
• Aging Workforce
• Many types of jobs
• Adventure
• Work Outside
• Work with your hands
• Technology Driven
• Green
WHY MANUFACTURING?

• Average $87,818
• Aging Workforce
• Many types of jobs
• Working with your hands
• Technology and mechanically driven
WHY SUPPLY CHAIN LOGISTICS?

• Low Barriers to Entry
• Aging Workforce
• Many types of jobs
• Technology and Mechanically Driven
MARITIME

THE MARITIME INDUSTRY

Diagram showing various icons connected to the central theme of the maritime industry.
MARITIME - PNW

• Passenger Water Transportation
• Support Services
• Logistics and Shipping
• Fishing and Seafood

• Boat & Ship Building and Repair
• Recreational Boating
• Emerging Technologies
Passenger Water Transportation
Marine Support Services
Maritime Logistics and Shipping
Fishing and Seafood Processing
SHIP BUILDING AND REPAIR
Recreational Boating
Emerging Technologies
MANUFACTURING – VARIETY & DIVERSITY
Who Shines in Manufacturing?
### Career tracks: Why prepare for careers in manufacturing?

- **Assembler and fabricators**: $25,550 - $51,040
- **Business operations specialist**: $46,470 - $130,400
- **Buyer/purchasing agent**: $45,750 - $117,830
- **Electrical assemblers**: $37,140 - $69,790
- **Food bathmakers**: $23,840 - $44,240
- **General and operations manager**: $66,010 - $288,000
- **Industrial engineer**: $66,830 - $158,020
- **Inspector, tester, sorters**: $32,890 - $96,920
- **Laborer, mover**: $24,790 - $59,820
- **Machine operator**: $24,080 - $47,540
- **Machinery mechanic**: $34,680 - $91,270
- **Machinist**: $32,110 - $73,720
- **Maintenance/repair worker**: $30,920 - $70,840
- **Mechanical engineer**: $53,170 - $114,510
- **Production supervisor**: $41,140 - $119,670
- **Production worker**: $24,780 - $47,250
- **Production/planning clerk**: $34,550 - $73,470
- **Sales representative**: $33,440 - $118,630
- **Shipping/receiving clerk**: $27,070 - $59,960
- **Welder**: $32,580 - $65,600

### Research more occupations


U.S. Bureau of Economic Analysis and the U.S. Census Bureau

- Washington job data: 1 million jobs in good quality, representing 25% of the state's workforce
- In 2019, there is a 12% increase in manufacturing jobs, which is higher than the state's average annual wage
- By the end of 2022, there's a major gap with the industry needs to fill vacancies.

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**ENTRY LEVEL**

- **Assembler**
- **Welder Helper**

**MID LEVEL**

- **Machine Operator**
- **Welder**

**UPPER MID-LEVEL**

- **Machinist**
- **Maintenance Mechanic**
- **Engineering Technician**

**UPPER LEVEL**

- **Engineer**

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**AWB**

Association of Washington Business
Washington's Manufacturing Association

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**WORKSource**

A proud partner of the WorkSource Center network

**WASHINGTON EMPLOYMENT SECURITY DEPARTMENT**

U.S. BUREAU OF ECONOMIC ANALYSIS AND THE U.S. CENSUS BUREAU

**WORKSOURCE**

An equal opportunity employment program. Affirmative action and equal opportunity employer. For jobs with disabilities, Washington Work source: 711
SUPPLY CHAIN LOGISTICS
Jobs
100+ Youth Surveyed

Top answers will be on the board
What activities do you like?

- Making things: 63
- Designing things: 66
- Building things: 53
- Taking things apart to see how they work: 30
- Putting things back together: 37
- Wood working: 15
- Metal working: 17
- Inventing: 21
- I might, if I had someone to teach me: 34
- All of the above: 7
- None of the above: 1
Have a job?

More Details

- Yes: 45
- No: 72
## Advantages to Trade School/Cert Program / 2-Year College

### More Details

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
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<tbody>
<tr>
<td>Yes</td>
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<tr>
<td>No</td>
<td>19</td>
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<td>Maybe</td>
<td>29</td>
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</table>
Experience/Skills: 22
Faster: 13
Jumpstart to 4 Year: 11
Cheaper: 10
Open Opportunities: 7
Any advantages to earning a 4-year university bachelor’s degree?
<table>
<thead>
<tr>
<th>Option</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>More Opportunities</td>
<td>23</td>
</tr>
<tr>
<td>Knowledge &amp; Skills</td>
<td>9</td>
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<tr>
<td>Higher Pay</td>
<td>22</td>
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<tr>
<td>Get Job Easier</td>
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<tr>
<td>Better Job</td>
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</table>
What first comes to mind when you read the word “Maritime?”

• Water
• Sea
• No Idea
• Boats and boating
• Marine
• Ocean
• Shipping
• Ships at Sea
What does manufacturing mean to you?

• Making things/products
• Building things or machines
• Creating stuff/products with large machines

• Producing
• Fixing / renovating
• Inventing
What do you think of when you see the phrase “supply chain logistics?”

- I don’t know
- How you get supplies
- Strategies to move products
- Movement of goods and services
- How to get or make chains
- Linking together
Have you ever considered a career in MML?

- Yes: 57
- No: 60
What jobs/careers have you considered in MML?

• Aerospace Engineering
• Automotive Engineering
• Machines
• Architect
• Manufacturing
• Construction
• Doctor on Boats

• Ocean / Marine Engineering
• Entrepreneur
• Marine Biology
• Management
• Marines / Navy / Military
• Marine Maintenance
• Mechanical Design
Race is a Barrier – Education or Economics?

Race is a Barrier in a career in MML?
Gender a Barrier in MML Careers?
Choice in Education?

More Details

- Trade school / Certificate program: 28
- 4-Year University Track: 78
- I do not know the different between: 11
Who or what influences your decision in choosing an education?

- Money: 71
- Parent/Guardian or Family Guidance: 63
- Friends: 24
- School Counselors: 14
- Teachers: 13
- Culture: 20
- Other: 18
Round: 0

Money: 47

Teachers: 10

Parents: 46

Friends: 15

Culture: 14

Timer: 10

Show Question

X XX XXX
<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
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<tbody>
<tr>
<td>Money</td>
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<td>Knowledge &amp; Skills</td>
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<tr>
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<td>Friends</td>
<td>5</td>
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<tr>
<td>Culture</td>
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Family Members who...

- Career in Maritime (working or...): 9
- Career in Manufacturing (making...): 27
- Career in Supply Chain Logistics: 15
- Bachelor's Degree (4-year): 55
- Associates Degree (2-year): 29
- Certificate Program (less than...): 14
- First Generation College Student: 20
- None of the above: 25
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<td>African</td>
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<td>Hispanic / Latina/o/x</td>
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<tr>
<td>Middle Eastern / North African</td>
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<tr>
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<tr>
<td>Gender Category</td>
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<tr>
<td>---------------------------------------------</td>
<td>-------</td>
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<tr>
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<td>2</td>
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<tr>
<td>Different gender identity (please specify)</td>
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Do you identify as Transgender?

- Yes: 2
- No: 110
- Prefer not to answer: 4
Breakout Rooms

Let's take a deep dive into what you think...
Debrief - Breakout Rooms

What was said?
THANK YOU!

Maritime, Manufacturing and Supply Chain Logistics