

For L&I Staff Use Only

Received 02/28/2024 CA
L&I Apprenticeship Consultant

Teri Gardner 2-28-24
L&I Admin

Department of Labor and Industries
Apprenticeship Section
PO Box 44530
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Request for Revision of Standards

TO: Washington State Apprenticeship & Training Council
FROM: IAM/Boeing Joint Apprenticeship Committee #154

Please update our Standards of Apprenticeship to reflect the following changes:

- Additions shall be underlined (underlined).
- Deletions shall be struck through (~~struck through~~).
- See attached.

Form must be signed by Committee Chair and Secretary or Program's Authorized Signer

<input type="checkbox"/> Chair	Date	<input type="checkbox"/> Secretary	Date
<input checked="" type="checkbox"/> Authorized Signer	2/28/2024		
Print Name: Raymond Miller	Print Name:		
Signature: <i>Raymond Miller</i>	Signature:		

Approved By: Washington State Apprenticeship & Training Council
Signature of Secretary of the WSATC:
Date:

Attach additional sheets if necessary

VIII. WORK PROCESSES:

- [Please delete section "B" and "I" in its entirety and replace with the following]

B. Composite Manufacturing Technician:

	<u>Code</u>	<u>Hours</u>
1. <u>Lay-up/Hand Lay-up</u>	<u>A</u>	<u>400</u>
2. <u>Kitting/AGFM*</u>	<u>B</u>	<u>200</u>
3. <u>CTLM**</u>	<u>C</u>	<u>640</u>
4. <u>Drape Forming</u>	<u>D</u>	<u>160</u>
5. <u>Fiber Placement</u>	<u>E</u>	<u>120</u>
6. <u>Noodle Fabrication</u>	<u>F</u>	<u>80</u>
7. <u>Debag/Tool Prep/Clean/Mold Release</u>	<u>G</u>	<u>320</u>
8. <u>Autoclave/ Oven</u>	<u>H</u>	<u>500</u>
9. <u>Drill and Fill Robots</u>	<u>I</u>	<u>480</u>
10. <u>Automated Water Jet</u>	<u>J</u>	<u>380</u>
11. <u>NC/CNC Machine Trim (Routers)</u>	<u>K</u>	<u>760</u>
12. <u>Extrusion Mills</u>	<u>L</u>	<u>320</u>
13. <u>Layout/Hand Trim</u>	<u>M</u>	<u>480</u>
14. <u>Assembly/Drilling</u>	<u>N</u>	<u>640</u>
15. <u>Tracker Leveling/Laser Radar/Roamer Arm</u>	<u>O</u>	<u>600</u>
16. <u>Tooling Repair/LM Rework</u>	<u>P</u>	<u>120</u>
17. <u>Composite Repair</u>	<u>Q</u>	<u>800</u>
18. <u>Inspection (OA)</u>	<u>R</u>	<u>160</u>
19. <u>DMU Shim Mill</u>	<u>S</u>	<u>200</u>
	<u>TOTAL HOURS:</u>	<u>7360</u>

* American General Fiber-placement Machine

** Contoured Tape Laminating Machine

I. Manufacturing Machinist

	<u>Code</u>	<u>Hours</u>
1. <u>Milling: Conventional/NC/CNC</u>	<u>A</u>	<u>1000</u>
2. <u>Turning: Conventional/NC/CNC</u>	<u>B</u>	<u>1000</u>
3. <u>Grinding</u>	<u>C</u>	<u>160</u>
4. <u>Cutter Grind</u>	<u>D</u>	<u>200</u>
5. <u>Deburr</u>	<u>E</u>	<u>80</u>
6. <u>Saw</u>	<u>F</u>	<u>40</u>
7. <u>Straightening/Forming</u>	<u>G</u>	<u>80</u>
8. <u>Drilling</u>	<u>H</u>	<u>80</u>
9. <u>Assembly</u>	<u>I</u>	<u>240</u>
10. <u>Basic Layout</u>	<u>J</u>	<u>160</u>
11. <u>Programming-Enovia/Mastercam</u>	<u>K</u>	<u>600</u>
12. <u>Inspection</u>	<u>L</u>	<u>240</u>
13. <u>Advanced Machining</u>	<u>M</u>	<u>2320</u>
14. <u>Boring: Conventional/NC/CNC</u>	<u>N</u>	<u>400</u>
15. <u>Jig Bore</u>	<u>O</u>	<u>240</u>
16. <u>Shotpeen</u>	<u>P</u>	<u>160</u>
17. <u>Tankline</u>	<u>Q</u>	<u>80</u>
18. <u>Heat Treat</u>	<u>R</u>	<u>80</u>
19. <u>Advanced Layout</u>	<u>S</u>	<u>200</u>
	<u>Total Hours</u>	<u>7360</u>