

1. Are you aware that Lakeland Community College offers an:

	Yes	No
Industrial Welding Certificate	<input type="checkbox"/>	<input type="checkbox"/>
Associate in Technical Studies Degree in Industrial Welding	<input type="checkbox"/>	<input type="checkbox"/>

Please indicate which of the following processes your company utilizes and those for which training is needed:

2. SMAW (Stick)

	Currently	Plan to use within next 12 months	Training is needed
Flat/horizontal fillets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other positions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. GMAW (MIG)

	Currently	Plan to use within next 12 months	Training is needed
Flat/horizontal fillets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other positions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spray Transfer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Globular Transfer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short Arc flat/horizontal fillets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Short Arc other positions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulsed Arc flat/horizontal fillets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulsed Arc other positions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Modified Short Arc Sheet Metal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Modified Short Arc Pipe root	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. FCAW (Flux)

	Currently	Plan to use within next 12 months	Training is needed
Flat/horizontal fillets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other positions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pipe fill and cover passes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metal Core Arc Welding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of Constant Current instead of Constant Voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. GTAW (TIG)

	Currently	Plan to use within next 12 months	Training is needed
Flat/horizontal fillets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thin tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pipe root pass only	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pipe all passes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. Other Processes

	Currently	Plan to use within next 12 months	Training is needed
Resistance (Spot) Welding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged Arc Welding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Friction Welding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Laser Welding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Robotic Welding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oxyfuel Cutting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carbon Arc Gouging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plasma Cutting Hand Held	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Programmable Plasma Cutting Machine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. Do you do repair welding as a service?

- Yes No

8. Please check the materials which are typically welded in your organization. Check all that apply.

	Basic methods/techniques	Pipe/tubing	Casting	Structural
Mild steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stainless steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aluminum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Titanium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inconel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-ferrous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify): _____

9. Please check the tasks which entry level welding operators must exhibit in your organization. Check all that apply.

- | | |
|---|--|
| <input type="checkbox"/> Work from blueprints | <input type="checkbox"/> Visually inspect welds |
| <input type="checkbox"/> Use weld symbols | <input type="checkbox"/> Perform dye penetrant test |
| <input type="checkbox"/> Fit and tack material | <input type="checkbox"/> Perform other non-destructive tests (specify) |
| <input type="checkbox"/> Weld to Procedure Specifications (WPS) | <input type="checkbox"/> Perform destructive tests (specify) |
| <input type="checkbox"/> Set up welding equipment | <input type="checkbox"/> Operate overhead cranes/forklifts |

- Troubleshoot
- Maintain equipment
- Repair equipment

- Operate fabrication machinery
- Operate lathes/milling machines

Please specify: _____

9. Please check the organizations, standards and/or guidelines that your product is welded to:

- American Society of Mechanical Engineers (ASME)
- American Bureau of Shipping (ABS)
- American Petroleum Industry (API)
- Department of Defense (DOD)
- American Welding Society (AWS)
- Other (please specify) _____

10. Does your company outsource welding?

- Yes
- No

If yes, please specify percentage: _____

11. If you are currently outsourcing welding, please specify the reason (check all that apply).

- Insufficient welders on staff
- Do not have infrastructure to support production levels
- Current employees do not have needed skills
- Other (please specify) _____
- Too much work for the organization

12. Has your company's growth been inhibited by a lack of skilled welders?

- Yes
- No

13. Do you have difficulty recruiting skilled welders?

- Yes
- No

If yes, please state reason: _____

14. What training/credentials are expected of new welding hires?

- On the Job Training (OJT)
- Associate Degree in Industrial Welding
- High School Diploma
- Other (please specify) _____
- Industrial Welding Certificate

15. Please check any additional training needs:

- Welding Supervision
- Certified Welding Inspector
- Non Destructive Testing
- Other (please specify) _____

16. Do prospective employees take a weld test?

- Yes
- No

If yes, please specify: _____

17. Do you require American Welding Society Certification as a condition of employment?

- Yes
- No

If so, please state which are applicable: _____

18. How many welders do you currently employ? _____

19. How many welders do you anticipate hiring within the next:

12 months _____
1-2 years _____
3-5 years _____

20. What trends do you anticipate in welding within the next 5 years?

21. Please check if you would you like to be contacted to:

- Host a Welding Internship
- Host a Plant Tour
- Participate in Lakeland's Industrial Welding Advisory Committee

22. Please provide the following information. *The following information will be kept confidential.*

Name: _____
Company: _____
Title/Position: _____
Address: _____
E-mail: _____
Phone # _____

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