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Respondent

33

Anonymous

82:38

Time to complete

Application Information

1. Name: *

Andrea Havlin

2. GCC Title/Position: *

Adjunct Welding Instructor

3. Department: *

Welding Technology

4. Campus: *

Verdugo

Garfield

5. E-mail: *

Ahavlin@glendale.edu

6. Phone: *

219-314-7373

7. Dean or Department Head's Name: *

Andrew Feldman

Project Proposal

8. Name of Project/Program: *

Shaping Our Future in Keeping with "Current" Industry Trends in Welding and Fabrication (puns intended)

9. Please select which category best describes your project: *

- Arts & Culture
- Athletics & Fitness
- Career & Work Training
- College Operations & Facilities
- Humanities/Social Sciences
- Science & Technology

10. Amount requested: *

\$20,000

11. What do you propose to do? *

I propose to attend the FABTECH 2026 expo in Las Vegas from October 21–23, 2026. This is North America's largest Metal Fabrication Industry Event and it is endorsed by the American Welding Society for Industry Educational Seminars. The objective is to continue re-establishing our program's vital relationships with welding suppliers and global educators, while evaluating and purchasing a xTool 3-in-1 laser welder/cutter/cleaner system at special tradeshow promotional pricing.

12. Who will be involved in the project/program? *

Welding Instructors and students

13. What are the benefits of this project/program to the students, college, and the community? *

Students will gain direct, hands-on training with cutting-edge 3-in-1 laser technology, which is rapidly becoming the industry standard, making them highly competitive candidates for modern fabrication jobs.
College: This particular unit is small and can be put in a safe area and even partitioned off for increased safety. This acquisition would upgrade our welding lab infrastructure and keeps our curriculum aligned with rapid technological changes in advanced manufacturing. The addition of laser cutting equipment would save our program money by producing fast, clean, and precise material cutting for test plates and weld coupons. We could also cut materials into a variety of shapes and patterns to offer more diverse student projects. We would cut our consumable costs with our current method of oxyfuel cutting that tends to have more material waste and more time and costs of grinding and finishing. The laser cleaner feature also reduces the use of grinders and consumables.

14. How does this project/program support the College's Institutional Strategic Plan? *

View ISP at <https://www.glendale.edu/home/showpublisheddocument/68172>

This project directly supports the 2025–2030 Institutional Strategic Plan by modernizing our Career and Technical Education (CTE) infrastructure. Introducing hand-held laser systems ensures our workforce training programs stay ahead of industry evolution, fosters stronger corporate and supplier relationships, and directly advances student readiness for high-demand, technology-driven manufacturing careers.

15. Timeline for the project/program. *

October 20–24, 2026: Travel to FABTECH 2026 in Las Vegas to evaluate equipment, network, and finalize the xTool equipment procurement package.
Winter 2026: Equipment delivery, lab installation, and safety infrastructure setup.
Spring 2027 Semester: Integration of the 3-in-1 laser system into the standard welding and fabrication curriculum.

16. How do you propose to use the funds requested? Please include specific budget information. *

The requested \$20,000 will be split between necessary travel expenses and capital equipment procurement as follows:

Airfare: \$400.00 (Roundtrip Main Cabin, LAX to LAS)

Lodging: \$2,200.00 (4 nights at a premium hotel tier, accounting for elevated tradeshow seasonal rates)

Taxis / Rideshares: \$180.00 (Convention Center commutes and airport transfers)

Meals & Incidentals: \$360.00 (\$80/day)

Equipment Purchase: \$16,860.00 (Remaining balance allocated to procure the xTool 3-in-1 laser system package at special expo discount pricing)

17. Please list any other sources of funding you have applied for and include dollar amounts if already awarded. *

N/A

18. How will the Foundation's support be recognized? *

The Glendale College Foundation will be prominently recognized on a donor/sponsorship plaque mounted directly next to the new xTool laser workstation in the welding lab that we could make with the new laser cutter.. Additionally, I will publicly credit the Foundation during any departmental presentations or regional advisory committee meetings where this equipment is highlighted and on social media.

19. How do you plan to evaluate this project's success? *

Success will be measured by two key metrics:

The successful procurement and delivery of the xTool 3-in-1 system within or under the \$20,000 budget framework.

Instructors will begin using the new laser technology during the 2026–2027 academic year to prep lab projects and develop new curriculum integrateing use of the 3 in 1 laser system.

20. If your project/program is successful, how will it inform your practice moving forward? *

Successfully introducing this tool will reshape how I teach thin-gauge material fabrication and surface preparation. Moving forward, it will allow me to build advanced modules centered on laser metallurgy and safety. We could also plan to share these insights by hosting a technical demo or professional development workshop for fellow faculty and foundation members to expand advanced manufacturing knowledge across our campus.

21. Please provide a 2 – 3 sentence summary of your project proposal. *

This project requests funding to foster industry connections and network with global welding educators, students, professionals, and suppliers. While at the expo, I plan to take advantage of tradeshow promotional pricing to purchase a xTool 3-in-1 laser welder/cutter/cleaner system. This investment will bring cutting-edge manufacturing technology that will have immediate impact on our program.

I am incredibly grateful to the Foundation for sponsoring my trip last year. I came in under budget, gained valuable technical insights, and built a fantastic global network. I want to keep that momentum going.If the equipment purchase is not within the budget, I would greatly appreciate the opportunity to attend the tradeshow with reduced grant funding.

Thank you once again for your consideration!

Signature and Acknowledgments

22. I hereby acknowledge/certify: *

- My Dean or department head is aware of this application and has authorized its submission.
- If my proposal involves the hiring of temporary/contracted professionals, I will obtain approval from Human Resources before proceeding and will provide documentation to the Foundation that the hiring/contracting has been reviewed and approved.
- If my proposal involves conference and/or other travel, I will complete the GCC travel approval process and adhere to GCC travel guidelines.