

MET Apprenticeship Program

*Strengthening Skills
for Employment*

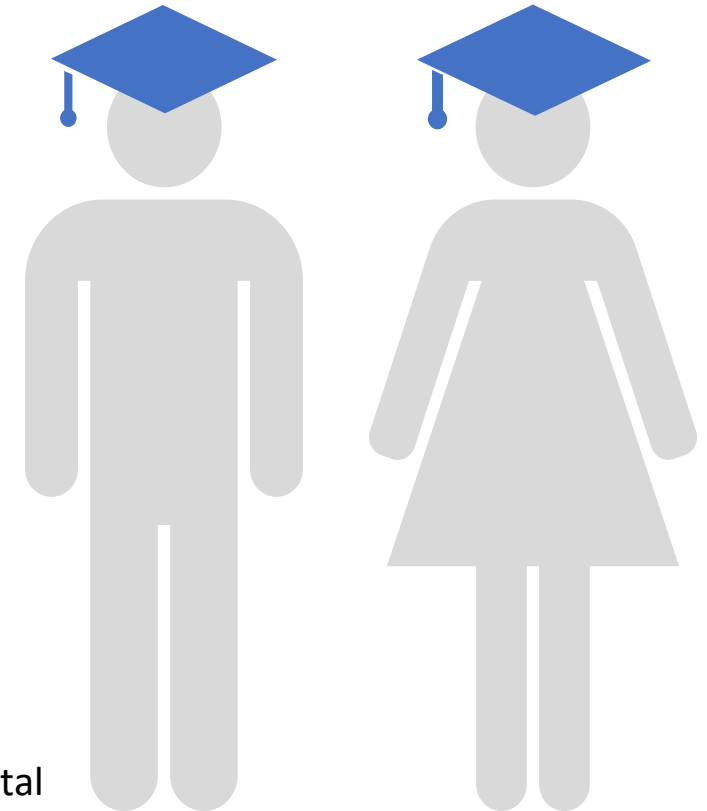


The Issues

Employers need a highly-skilled technical workforce.

Students graduating with an associate degree from a two-year Engineering/Mechanical Engineering Transfer Program (AS) lack the basic entry level knowledge, skills, and practical application required for employment.

- Only 30-35% of Community College students transfer to a 4-year institution. (NICHE)
- Transfer program focuses on core course requirements.
 - Calculus, Physics, Chemistry, English, liberal arts requirements, Intro to Engineering
- Most AS Graduates unable to secure a job in the engineering field because they lack fundamental knowledge and skills required for an entry level position.
- Graduates lost to other professions, leaving engineering technical positions vacant.



The Solution – *Earn While You Learn*



Develop a post-graduation training program for community college students to address the knowledge and skills gap while providing practical application.

An apprenticeship is a work-based training model and proven strategy that combines formal education with on-the-job training for the development of a skilled, retainable, and sustainable workforce and includes strategies to address diversity, equity, and inclusion.

Upon program completion, students would be highly skilled as a mechanical engineering technician and have a pathway to completing their 4-year degree.

Why Apprenticeships



Program is developed and vetted by our company partners to ensure the training meets the specific needs of companies and produces reliable and highly skilled workers and is validated by US DOL to ensure quality and rigor.



Develops a reliable and loyal pipeline of vetted workers trained specifically to meet your needs.



Stresses skills that are relevant and transferable which results in effectively placing people into positions to immediately apply their skills and positively impact the company's bottom line.



Apprentices earn higher wages resulting in better job security and provides a pathway to advance in a career that leads to a stronger labor market.

Employer Value Propositions



01

Proven strategy for the recruitment, development, and retainment of a diverse, skilled, and sustainable workforce.



02

91-94% of apprentices continue employment with company after completing an apprenticeship program.



03

Technical instruction fees are covered by a grant. **Only expense incurred by the employer is the apprentice's wages.**



04

Receive up to \$2,000 incentive from ASME for mentor responsibilities or for starting your own program.



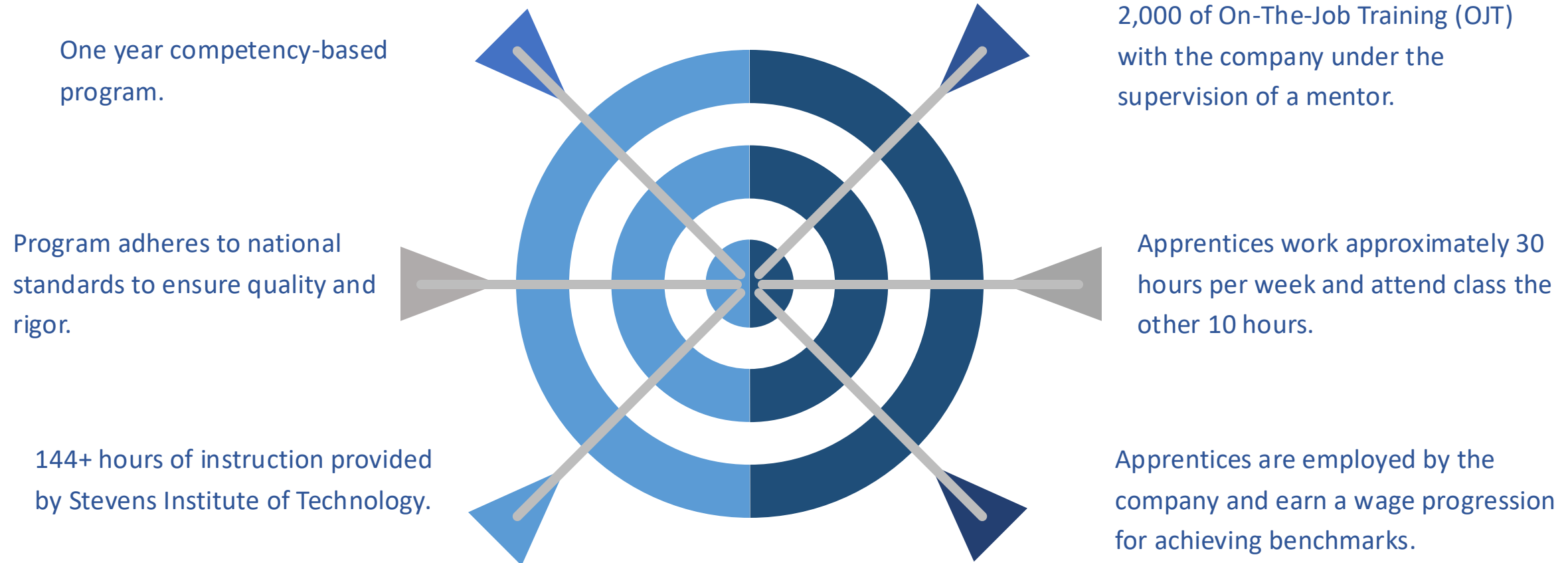
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Potential to offset apprentice's on-the-job training costs through tax credit incentives and federal and state workforce funding.

The ASME MET Registered Apprenticeship



First Cohort began June 16, 2025, instruction will conclude December 2025, with OJT wrapping in July 2026.



The Curriculum

- Virtual training program utilizing virtual reality simulations for skill attainment.
- Curriculum has been vetted by our industry partners to aligned with industry standards.
- The coursework will be recognized by ABET and may earn credit towards a bachelor's degree.

- Training Modules include:
 - OSHA 10-Hour General Industry Certification
 - Geometric Dimensioning and Tolerance
 - Ethics & Technical Writing
 - CAD & Design
 - Metrology
 - Material Behavior and Mechanics
 - Testing and Analysis
 - Assembly/Disassembly
 - Manufacturing Techniques and Processes
 - Additive Manufacturing



Skills & Competencies



Engineering drawings, specifications, or other technical information. Review technical documents to plan work.

Test products for functionality or quality. Test characteristics of materials or structures.



Document technical design details. Evaluate designs or specifications to ensure quality.

Ability to assemble and disassemble equipment and machinery.



GD&T (Geometric Dimensioning & Tolerancing), apprentices understand tolerance standards, blueprint reading, and inspection methods critic

Adaptable to various roles on modern production teams.



Skills & Competencies



OSHA 10-Hour General Industry Certification, equipping them with critical safety awareness and regulatory compliance knowledge.

Demonstrate an understanding of fundamental geometric concepts and GD&T.



Apprentices are trained in ethics and technical writing and communicate technical ideas clearly.

Skilled in utilizing CAD software, VR simulations, and engineering design tools to create and evaluate engineering solutions.



Gain an understanding of additive manufacturing and Digital Twins.

Recognize and uphold standards of professional ethical behavior and identify unethical practices.



Employer Requirements

- Provide full-time employment with at least one wage progression for meeting training benchmarks.
- Allow students Mondays, Wednesdays, and Fridays until December 2025 from 2pm to 5pm ET to attend and complete required technical instruction (RTI) and assignments.
- Assign a skilled and experienced mentor to provide and supervise apprentice's on-the-job training. Mentor will be expected to attend an orientation training session.
- Document apprentice training, progress, and wage .
- Support apprentices as they develop their skills, creating a pathway for long-term employment.
- Conduct regular apprentice evaluations and provide constructive feedback.
- Provide ASME with program feedback for continuous improvement and respond to communications in a timely fashion.



Business Case



- Invest in your company by **lowering recruitment costs and reducing turnover.**
- **Increase employee retention rates** and develop company loyalty.
- **Improve knowledge transfer** from aging workforce through OJT.
- First to access an **untapped and trained talent pool.**
- Better **matching of employee character** and skills with company needs and culture.
- Create a reliable technically **skilled talent pipeline.**
- Contribute to the **economic development** of your community.

The Ask

Agree to hire at least one apprentice from our current cohort.

Company Benefits

- Fill a high-skilled technical position within your company.
- Assist in the growth and develop of new talent.
- Mentor apprentice to company culture and career trajectory for long-term retention.

If you are ready to partner with us to fill your technician positions, please contact Kathleen or Audrey Jane.

Contact Info: