

ATTACHMENT A: ABSTRACT

APPRENTICESHIP BUILDING AMERICA, ROUND TWO	
Lead Applicant / Organization Name Missouri Department of Higher Education and Workforce Development	
Lead Applicant Entity Type: State Workforce Agency	
Lead Applicant City and State: Jefferson City, Missouri	
Select Grant Category: X Ensuring Equitable Apprenticeship Pathways and Partnerships Through Pre-Apprenticeship Leading to RAP Enrollment: up to \$4 million	
Project Title: Missouri Strategies for Training and Apprenticeship Readiness (MO-STAR)	
Funding Amount Requested: \$4,000,000	
Applicants Geographic Scope of Proposed Project: Regional: St. Louis and Statewide	
Total Number of apprentices enrolled in RAPs during the life of the grant, if applicable: 625	
Population(s) to be Served: Emphasis on underserved, unrepresented populations: Black and Hispanic Missourians, women, Veterans, and individuals with disabilities	
Required Partners: (Organization name and entity type)	
Organization Name	Entity Type
Missouri Works Initiative (core partner)	Non-Profit Service Provider
Machinist District Council 9	Intermediary Sponsor (union-related)
Machinist District Council 837	Intermediary Sponsor (union-related)
United Steel Workers District 11	Intermediary Sponsor (union-related)
BioSTL (core partner)	Non-Profit Service Provider
Family Workforce Centers of America	Equity Focused CBO
Harris Stowe University	Equity Focused CBO, HBCU
Cortex Innovation District	Intermediary Sponsor

List the name(s) of Optional Partners , as applicable:	
Organization Name	Entity Type
Advanced Manufacturing Innovation Center (AMIC), St Louis	Other organization supporting outreach and training
ALF-CIO Constituency Network	Labor Management Organization
Dugan Tool & Die, Inc. FS-Curtis Mississippi Lime Fulton Iron and South Side Machine Works, Inc. Hussmann Corporation HarbisonWalker International, Inc. Bayer Crop Science Mallinckrodt MilliporeSigma	Participating Employers
<p>Project Purpose:</p> <p>MO-STAR will establish and develop partnerships to expand equitable access to registered apprenticeship programs by supporting key quality pre-apprenticeship programs in biosciences and advanced manufacturing occupations in the greater St. Louis area. The project will also support quality pre-apprenticeship programs leading to registered apprenticeship throughout the state through a competitive request for funding process in high-demand fields (K-12 occupations, care economy, climate/clean energy, public sector, technology/cyber security, hospitality, and the supply chain occupations and advanced manufacturing).</p>	
<p>Subrecipient Activities:</p> <ul style="list-style-type: none"> • Conduct DEIA-focused outreach to increase diversity among pre-apprenticeship and registered apprenticeship programs • Develop new partnerships with employers and intermediary program sponsors to expand access to registered apprenticeship programs • Create new (2) and expand existing (4) quality pre-apprenticeship programs • Create new (3) and expand existing (10) registered apprenticeship programs • Serve and enroll 625 individuals through pre-apprenticeship training • Provide necessary wrap-around supportive services to ensure participant success in training 	
<p>List of credential(s) to be awarded:</p> <ul style="list-style-type: none"> • Completion of registered apprenticeship programs will lead to nationally-recognized certificates of completion in the following occupations: industrial maintenance technician; CNC Operator-Milling and Turning; Tool Machine Set-Up Operator; Tool and Die Maker; Patternmaker; Die-Cast & Plastic Mold Maker; Machinist; Chemistry Quality Control Technician; Laboratory Technician; Bioscience Processing Technician; Buffer and Media Technician; Seed Technician; Data Analyst; IT/Computer User Support Specialist; and Software Developer • Bioscience Apprentice Ready Completion: Bioscience Core Skills Institute essential five industry recognized micro-credentials: <i>Safety, Hazard Assessment; Documentation and SOP; Numeracy; Aseptic Technique: Lab Bench Level; Small Volume Metrology</i> 	

- **Bioscience Apprentice Ready Completion (Business Technology):** CompTIA Data+, CompTIA Security+
- **Manufacturing Apprentice Ready Completion:** Certified Manufacturing Associate Certification

Summary of Program Activities:

- Increase awareness of high demand career pathways and training opportunities, particularly among underrepresented populations.
 - Develop data-driven regional marketing plan and connect with key partners.
 - Recruit pre-apprentices.
- Develop and strengthen pre-apprenticeships in high demand fields.
 - Select five statewide partners with DEIA focus.
 - Develop or revise curriculum.
 - Register programs with state (DHEWD).
- Establish clear pathways to employment and career advancement through RAPs in high demand fields.
 - Support pre-apprentice completers to RAP enrollment.
 - Expand RAPs with new employer partners.
- Provide comprehensive supportive services to remove barriers to participation and ensure successful completion of training.
 - Use case management tracking tool.
 - Host interview events.
 - Provide childcare, transportation and referrals.

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