



Florida Job Growth Grant Fund Workforce Training Grant Proposal

Proposal Instructions: The Florida Job Growth Grant Fund Proposal (this document) must be completed and signed by an authorized representative of the entity applying for the grant. Please read the proposal carefully as some questions may require a separate narrative to be completed.

Entity Information

Name of Entity: Manatee Technical College, School District of Manatee County

Federal Employer Identification Number (if applicable): ██████████

Contact Information:

Primary Contact Name: Doug Wagner

Title: Executive Director of Adult, Career and Technical Education

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Workforce Training Grant Eligibility

Pursuant to 288.101, F.S., The Florida Job Growth Grant Fund was created to promote economic opportunity by improving public infrastructure and enhancing workforce training. This includes workforce training grants to support programs offered at state colleges and state technical centers.

Eligible entities must submit proposals that:

- Support programs and associated equipment at state colleges and state technical centers.
- Provide participants with transferable and sustainable workforce skills applicable to more than a single employer.
- Are offered to the public.



- Are based on criteria established by the state colleges and state technical centers.
- Prohibit the exclusion of applicants who are unemployed or underemployed.



1. Program Requirements:

Each proposal must include the following information describing how the program satisfies the eligibility requirements listed on page 1.

A. Provide the title and a detailed description of the proposed workforce training.

Manatee Technical College will offer workforce training in Advanced Manufacturing and Production Technology. This workforce training program will provide participants with transferable and sustainable workforce skills applicable to more than a single employer in advanced manufacturing targeted industries in Manatee County, FL Workforce Region 18, Florida, and the nation. Participants will learn the tools, materials and processes of automation technology and its application in production environments, including manufacturing, engineering and robotics. The training will have four occupational completion points, preparing participants for jobs ranging from entry-level production worker to production and quality assurance technician, and positions in manufacturing and production processes and maintenance. Completion of the full program will prepare participants to achieve the level of First-Line Supervisors of Production and Operating Workers, a High-Skill High-Wage job on the State and Regional Demand Occupations Lists.

B. Describe how this proposal supports programs at state colleges or state technical centers.

This proposal supports MTC in its ability to meet its mission to produce highly skilled individuals and resourceful leaders through collaborative education to meet the ever-changing needs of our communities and the workforce. The vision of MTC is to be recognized as a leader in transforming people's lives through quality education. MTC trains students in occupations relevant to the infrastructure and future growth of Florida Workforce Region 18 (Manatee and Sarasota counties). Thousands of students have entered the workforce and enhanced their personal and professional lives through the education they received at MTC. Local business and industry leaders contribute to the success of Manatee Technical College in meeting its mission.

C. Describe how this proposal provides participants transferable, sustainable workforce skills applicable to more than a single employer.

Through grant support, participants will earn the Manufacturing Skills Standards Council (MSSC) Certified Production Technician (CPT). The CPT Certification addresses the core technical competencies of higher skilled production workers in all sectors of manufacturing. MSSC awards certificates to individuals who pass modules



in Safety; Quality Practices & Measurement; Manufacturing Processes & Production; Maintenance Awareness; and Green Production. This national certification has broad applicability to most manufacturing employers. This program offers a broad foundation of knowledge and skills to students through a sequence of courses that provide transferable, sustainable workforce skills, coherent and rigorous content aligned with challenging academic, workforce standards, relevant technical knowledge, and skills needed to prepare them for employment in Advanced Manufacturing and Production positions.

The content includes but is not limited to providing students with a foundation of knowledge and technically oriented experiences in the study of automation technology, its application in manufacturing, engineering and robotics. The content and activities will also include the study of enterprise systems, safety, quality, and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry. Many of the skills, tools, machines, instruments, materials, processes and systems learned will be transferable to other occupations, such as Industrial Electronics Technician (47.0105), Industrial Machinery Mechanic (47.0303), and Machinist and CNC Machinist (48.0510).

D. Does this proposal support a program(s) that is offered to the public?

Yes No

E. Describe how this proposal is based on criteria established by the state colleges and state technical centers.

This proposal is based on the criteria MTC established to make decisions to offer workforce training programs. Criteria include State and Regional Demand Occupations Lists, Bureau of Labor Market Statistics Employment Projections, job openings in field of training, help wanted online data, formal/informal surveys, employer input, and information obtained from the Bradenton Area Economic Development Corporation and CareerSource Suncoast. It is imperative MTC offer industry standard training programs and opportunity for nationally recognized credentials.

F. Does this proposal support a program(s) that will not exclude unemployed or underemployed individuals?

Yes No



G. Describe how this proposal will promote economic opportunity by enhancing workforce training. Please include the number of jobs anticipated to be created from the proposed training. Further, please include the economic impact on the community, region, or state and the associated metrics used to measure the success of the proposed training.

This proposal will promote economic opportunity by offering workforce training for an occupation that is High-Skill, High-Wage and on the Demand Occupations List. Since 2010, Manufacturing has shown a steady increase in jobs created in the Bradenton-Northport-Sarasota metropolitan statistical area (MSA). Over 220 jobs are anticipated to be created over the next 8 years from the Advanced Manufacturing training. The economic impact on the community will be over \$2,000,000 per year. The metrics used to measure the success of the training will be technical skills achievement rate of 97% (obtaining a certificate or industry recognized credential—MSSC—to validate technical skill attainment) and a placement rate of 95%.

2. Additional Information:

A. Is this an expansion of an existing training program? Yes No

If yes, please provide an explanation for how the funds from this grant will be used to enhance the existing program.

Providing the equipment to be able to offer the Advanced Manufacturing training program is an expansion of the Manufacturing programs offered by Manatee Technical College at this time, which include Electronics Technology, Electrician (industrial electrician), Industrial Technology, Machining, and Welding Technologies.

B. Does the proposal align with Florida's Targeted Industries? (View Florida's [Targeted Industries here.](#))

Yes No

If yes, please indicate the targeted industries with which the proposal aligns.

If no, with which industries does the proposal align?

The proposed program aligns with the following targeted industries: Advanced Manufacturing (e.g., Air Products, Marine Concepts Design Concepts, Pierce Manufacturing, Sun Hydraulics, Tropicana Products, and Veethree Electronics), Aviation/Aerospace & Defense/Homeland Security (e.g., SAFRAN Labinal Power Systems), and Corporate Headquarters (e.g., Feld Entertainment).



C. Does the proposal align with an occupation(s) on the Statewide Demand Occupations List and/or the Regional Demand Occupations List? (View Florida's [Demand Occupation Lists here.](#))

Yes No

If yes, please indicate the occupation(s) with which the proposal aligns.

If no, with which occupation does the proposal align?

The proposal aligns with First-Line Supervisors of Production and Operating Workers, a High-Skill High-Wage occupation on the Demand Occupations List in Workforce Region 18.



D. Indicate how the training will be delivered (e.g., classroom-based, computer-based, other).

If in-person, identify the location(s) (e.g., city, campus, etc.) where the training will be available.

If computer-based, identify the targeted location(s) (e.g. city, county, statewide) where the training will be available.

All training will be classroom and lab-based. Labs are designed to mimic environments found in industry. Training will be available at Manatee Technical College, Main Campus, 6305 E. State Road 70 in Bradenton, FL 34203.

E. Indicate the number of anticipated enrolled students and completers.

For the first year, the number of anticipated enrolled students is 40 and number of completers is 38. It is reasonable to believe that number will increase the following year.

F. Indicate the length of program (e.g., quarters, semesters, weeks, etc.), including anticipated beginning and ending dates.

Begin Date: 01/08/2018 End Date: 06/27/2018

G. Describe the plan to support the sustainability of the proposal.

State workforce development fund dollars and student tuition and fees will support the sustainability of the project. Smaller grants over the years can keep equipment up to date. Funding the initial equipment costs for the start-up of the program is what is needed.

H. Identify any certifications, degrees, etc. that will result from the completion of the program. Please include the Classification of Instructional Programs (CIP) code if applicable.

Manufacturing Skills Standards Council (MSSC) industry certification will result from the completion of the program and passing the nationally recognized certifying exam. All program completers will earn a certificate from Manatee Technical College. Credit will be awarded to students on a transcript in accordance with Florida Statute. The CIP code for this program is 52.0205 (CIP#615040606).



I. Does this project have a local match amount?

Yes No

If yes, please describe the entity providing the match and the amount.

Manatee Technical College: \$206,360 (from FL Workforce Development Fund Dollars and student tuition/fees)

J. Provide any additional information or attachments to be considered for the proposal.

Please see attached letters of support.

3. Program Budget

Estimated Costs and Sources of Funding: Include all applicable workforce training costs and other funding sources available to support the proposal.

A. Workforce Training Project Costs:

Equipment	<u>\$ 201,500</u>
Personnel	<u>\$ 88,900</u>
Facilities	<u>\$ 36,180</u>
Tuition	<u>\$ 70,080</u>
Training Materials	<u>\$ 11,200</u>
Other	<u>\$ 12,200</u>
Total Project Costs	<u>\$ 420,060</u>

Please Specify: MSSC & OSHA Certification testing fees MTC: FL Workforce Development Fund, Tuition

B. Other Workforce Training Project Funding Sources:

City/County	<u>\$ 0</u>
Private Sources	<u>\$ 12,200</u>
Other (grants, etc.)	<u>\$ 206,360</u>
Total Other Funding	<u>\$ 218,560</u>

Total Amount Requested \$ 201,500

Note: The total amount requested must equal the difference between the workforce training project costs in 3.A. and the other workforce training project funding sources in 3.B.

- C. Provide a detailed budget narrative, including the timing and steps necessary to obtain the funding, how equipment purchases will be associated with the training program, if applicable, and any other pertinent budget-related information.

Detailed Budget Narrative:

- Manufacturing processing equipment to include but not limited to table saw, band saw, drill press, Power miter box, scroll saw, belt and disc sander, assorted hand and power tools, - \$15,000
- Measurement equipment in include Metric and American Standard calipers, micrometers, and depth gauges \$1,500
- Five 3D Printers/ with one 3D Scanner with turntable with accessories \$13,000
- Two 60 watt lasers laser engravers with rotatory attachment and blower - \$12,000
- One CNC Router Machine with tooling - \$20,000
- Three Allen Bradley PLC Training Systems \$15,000
- One KUKA Robotic training system \$75,000
- One CNC Plasma cutter \$25,000
- One Pneumatics trainer \$5,000
- One Hydraulics trainer \$5,000
- One Fiber optics trainer \$5,000
- Software to include Solid Works / Master CAM \$10,000

Total Budget Request: \$201,500

Equipment purchases are integral to the training program.

Steps necessary to obtain funding: By having the School Board approve in advance (August 8, 2017) to expend the Workforce Training Grant funds, MTC will be able to



expend funds upon receipt of award notification. As soon as award notification has been received, purchase order requests will be made to order equipment. To have the equipment in place prior to the anticipated begin date of January 8, 2018, equipment would need to be ordered by early November 2017. All other funding (state workforce development dollars and student tuition) will be a result of student enrollment in the program. MTC will begin accepting enrollments in August 2017. At the appropriate time during the program year, MTC will collect from students the fees for OSHA and MSSC certification testing.

4. Approvals and Authority

- A. If entity is awarded grant funds based on this proposal, what approvals must be obtained before it can execute a grant agreement with the Florida Department of Economic Opportunity (e.g., approval of a board, commission or council)?

Approval of the Manatee County School Board. It's already on the agenda to be approved on August 8, 2017.

- B. If approval of a board, commission, council or other group is needed prior to execution of an agreement between the entity and the Florida Department of Economic Opportunity:

- i. Provide the schedule of upcoming meetings for the group for a period of at least six months.

2017: 7/25, 8/8, 8/22, 9/12, 10/10, 10/24, 11/14, 11/28

- ii. State whether that group can hold special meetings, and if so, upon how many days' notice.

The board can hold special meetings. It is already on the agenda to be approved at the August 8, 2017, board meeting.

- C. Attach evidence that the undersigned has all necessary authority to execute this proposal on behalf of the entity. This evidence may take a variety of forms, including but not limited to: a delegation of authority, citation to relevant laws or codes, policy documents, etc.



I, the undersigned, do hereby certify that I have express authority to sign this proposal on behalf of the above-described entity.

Name of Entity: School District of Manatee County

Name and Title of Authorized Representative: Dr. Diana Greene, Superintendent

Representative Signature: See attached PDF (pending board approval on 8/8/2017)

Signature Date: 07/20/2017