



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 1821

1. Project Title

2. Senate Sponsor

3. Date of Request

4. Project/Program Description

Critical equipment to support Advanced Manufacturing program in Mechatronics at Daytona State College (DSC). In conjunction with the Florida Federation of Advanced Manufacturing Education (FL FAME), DSC has launched the first cohort in Florida of this work based learning initiative. The students are sponsored by a local manufacturer while attending school to be trained in automation and advanced manufacturing topics. The requested equipment will replace outdated electricity and feedback control modules and expands program capacity by adding two portable 5-axis CNC machines, mechatronics trainers, virtual reality headsets and accompanying software. With this equipment the students will be better prepared in Industry 4.0 and advanced manufacturing topics.

5. State Agency to receive requested funds

State Agency contacted?

6. Amount of the Nonrecurring Request for Fiscal Year 2022-2023

Type of Funding	Amount
Operations	315,500
Fixed Capital Outlay	0
Total State Funds Requested	315,500

7. Total Project Cost for Fiscal Year 2022-2023 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	315,500	100%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	0	0%
Other	0	0%
Total Project Costs for Fiscal Year 2022-2023	315,500	100%

8. Has this project previously received state funding?

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. Is future funding likely to be requested?

a. If yes, indicate nonrecurring amount per year.

b. Describe the source of funding that can be used in lieu of state funding.

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?



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Yes

If yes, indicate the amount of funds received and what the funds were used for.

The College was awarded \$54,143,384 in Higher Education Emergency Relief Funds (HEERF). As of June 30, 2021, the College used \$7,148,777 for direct student aid and \$8,780,844 for institutional support.

11. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits	N/A	0
Other Salary and Benefits	N/A	0
Expense/Equipment/Travel/Supplies/Other	N/A	0
Consultants/Contracted Services/Study	N/A	0
Operational Costs: Other		
Salary and Benefits	N/A	0
Expense/Equipment/Travel/Supplies/Other	5 axis portable CNC machines, electricity and feedback control modules, virtual reality headsets with accompanying software, and mechatronics trainers.	315,500
Consultants/Contracted Services/Study	N/A	0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		0
Total State Funds Requested (must equal total from question #6)		315,500

12. Program Performance

a. What specific purpose or goal will be achieved by the funds requested?

Prepare the workforce to fill high-demand positions in local manufacturing companies. A recent report by Deloitte and The Manufacturing Institute projects that as many as 2.1 million manufacturing jobs will be unfilled through 2030. The state of Florida is also seeing labor shortages in manufacturing. DSC through its partnership with FL FAME is creating a pipeline of trained technicians with hands-on experience in the job.

b. What activities and services will be provided to meet the intended purpose of these funds?

DSC will use the equipment requested in this project to deliver lab instruction in electricity, feedback control, automation, mechatronics, advanced manufacturing (Industry 4.0), and augmented/virtual reality.

c. What direct services will be provided to citizens by the appropriation project?

The economy and the citizens of the Volusia/Flagler service area will benefit from this appropriation project. According to research conducted by FloridaMakes, manufacturing has a high multiplier effect, a \$1.00 in manufactured goods produces \$3.60 in other sectors.

d. Who is the target population served by this project? How many individuals are expected to be served?

The target population is composed of individuals from the Volusia/Flagler service area, 18 years or age or older. The program will serve 60 students per year in engineering technology programs.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?



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Completers of the program will be better prepared to secure employment in high-demand, high-skill jobs in manufacturing.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for the contract?

None.

13. The owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

N/A.



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14. Requestor Contact Information

a. First Name Last Name

b. Organization

c. E-mail Address

d. Phone Number Ext.

15. Recipient Contact Information

a. Organization

b. Municipality and County

c. Organization Type

- ☐ For Profit Entity
- ☐ Non Profit 501(c)(3)
- ☐ Non Profit 501(c)(4)
- ☐ Local Entity
- ☒ University or College
- ☐ Other (please specify)

d. First Name Last Name

e. E-mail Address

f. Phone Number

16. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number