



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 1865

1. **Title of Project:** Seminole State College - Mechatronics and Robotics

2. **Senate Sponsor:** David Simmons

3. **Date of Submission:** 01/16/2019

4. **Project/Program Description:**

Purchase of instructional equipment and materials for the College's mechatronics and robotics laboratories.

5. **State Agency to receive requested funds :** Department of Education

State Agency Contacted? No

6. **Amount of the Nonrecurring Request for Fiscal Year 2019-2020**

Type of Funding	Amount
Operations	2,225,000
Fixed Capital Outlay	
Total State Funds Requested	2,225,000

7. **Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)**

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	2,225,000	100.00%
Federal		0.00%
State (excluding the amount of this request)		0.00%
Local		0.00%
Other		0.00%
Total Project Costs for Fiscal Year 2019-2020	2,225,000	100.0%

8. **Has this project previously received state funding?** No

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

9. **Is future-year funding likely to be requested?** No

10. **Details on how the requested state funds will be expended**

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		



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Operational Costs:		
Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other	Purchase of instructional equipment and materials for mechatronics and robotics laboratories.	2,225,000
Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		
Total State Funds Requested (must equal total from question #6)		2,225,000

11. Program Performance:

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

Enhance the quality of education and skills of engineering technology students enrolled in AS, BS and Certificate programs in order to enhance their economic self-sufficiency and prepare them for immediate and specific job opportunities. Program advisory board and industry partners have documented a need for 1,500 mechatronic technician jobs over the next five years that cannot be filled without these labs and equipment.

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

Purchase of instructional equipment and materials for mechatronics and robotics programs.

c. What are the direct services to be provided to citizens by the appropriations project?

With the instructional equipment and materials purchased with this funding, the College will provide a hands-on experiential learning experience in mechatronics and robotics. We will upgrade the skills of workers for the jobs of the future. We see the mechatronics and robotics skills as the skills of the future for advanced manufacturing, simulation, aerospace, biotechnology/biomedical devices, ride and show automation/animation, as well as operations and maintenance of a wide range of devices.

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

There are two populations to be served by this project. First is >800 students enrolled in the College's various AS, BS and Certificate engineering technology programs who will receive training in mechatronics and robotics specialties within their programs of study. A second target population will be area employers who will benefit from hiring program graduates with skills in mechatronics and robotics.

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

Expected Benefits and Outcomes The expected outcome of this project will initially be the purchase of instructional equipment and materials for the College's mechatronics and robotics programs. Once the equipment and materials are online and integrated into the curriculum, the College will train students with mechatronics and robotics skills for the advanced manufacturing, simulation, aerospace, biotechnology/biomedical devices, ride and show automation/animation fields, as well as for operations and maintenance of a wide range of devices and systems in almost every employment sector. Methodologies by which the benefits/outcomes will be measured: Increased number of degrees and certificates awarded,



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increased student retention and completion rates, improved GPAs and scores on licensure exams for those students completing engineering technology programs, employment rates and wages of engineering technology graduates/completers.

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 in the contract?

Seminole State College has standard performance provision and penalties in all of its contracts. No additional provision unique to this project are needed.

12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.

Not applicable.

13. Requestor Contact Information:

- a. **Name:** Georgia Lorenz
- b. **Organization:** Seminole State College of Florida
- c. **E-mail Address:** lorenzg@seminolestate.edu
- d. **Phone Number:** (407)708-2010

14. Recipient Contact Information:

- a. **Organization:** Seminole State College of Florida
- b. **County:** Seminole
- c. **Organization Type:**
 - For Profit
 - Non Profit 501(c) (3)
 - Non Profit 501(c) (4)
 - Local Entity
 - University or College
 - Other (Please specify)
- d. **Contact Name:** Michael Staley
- e. **E-mail Address:** staleym@seminolestate.edu
- f. **Phone Number:** (407)708-2390

15. Lobbyist Contact Information

- a. **Name:** Donald J. Payton
- b. **Firm Name:** Ballard Partners
- c. **E-mail Address:** don@ballardfl.com
- d. **Phone Number:** (407)403-4211