



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 2037

1. Title of Project: Stem-based Workforce Development at USFSP

2. Senate Sponsor: Jeff Brandes

3. Date of Submission: 02/25/2019

4. Project/Program Description:

USFSP is submitting this request to increase STEM-based workforce development at USFSP. The funds will support undergraduate, graduate, and faculty research in addition to supporting statistical consultation, which has become common practice in post-secondary institutions, including the majority of Florida State Universities. USFSP must provide core services that enhance workforce skill development in STEM fields that increases retention and graduation rates, enrollment in graduate programs, and effective career preparation. USFSP will expand high-quality undergraduate student-faculty collaborative research, secure opportunities for students beyond the institution, raise the university's profile, grow collaborations with business, nonprofit organizations and other higher education institutions, and continue to expand international collaborations.

5. State Agency to receive requested funds : Board of Governors

State Agency Contacted? No

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

Type of Funding	Amount
Operations	4,101,800
Fixed Capital Outlay	930,000
Total State Funds Requested	5,031,800

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)	5,031,800	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	5,031,800	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? Yes



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a. If yes, indicate non-recurring amount per year. 3,576,800

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		
Operational Costs:		
Salary and Benefits	12 research/doctoral level faculty aligned with new programs (computer science, mathematics, data analytics (2); chemistry & physical sciences (1); biological, nursing & related health sciences (3); marine & environmental sciences (1); STEM, Innovation, education (1); finance, entrepreneurship, & other business needs (2). Undergraduate research support; statistical consulting for faculty. Other needs: 7 instructional faculty, 4 support staff, and 10 doctoral student research fellowships.	3,711,800
Expense/Equipment/Travel/Supplies/Other	Office leases, routine office equipment, IT support, technology, showcase and expo events for undergraduate and graduate research, and travel for undergraduate research opportunities	380,000
Consultants/Contracted Services/Study	External consultants with targeted expertise in undergraduate research, theory, and practices	10,000
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Research equipment & renovation of existing equipment for teaching and research; space for research and research support (teaching labs/research labs/offices and equipment). Purchase of one 40-ft research container lab fully equipped for nursing (placed on university property)	930,000
Total State Funds Requested (must equal total from question #6)		5,031,800

11. Program Performance:

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

These funds will be used to increase the number of high-demand STEM programs accessible to students on the the USFSP campus and students in Pinellas County. The funds will also be used to increase the impact and reputation of faculty the USFSP campus. Findings from a recent study of space on campus indicate that research lab space is a very significant need and teaching lab space is a significant need. At this point, USFSP



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has 13% of the research lab space and 57% of the teaching lab space allowed by the Board of Governors. These funds will allow the university to add research and teaching lab space.

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

Funds will be used to support high-impact teaching, learning, and research opportunities in STEM fields with an emphasis on data. Students will participate in research experiences with faculty that include one-to-one consultations, ongoing advising, and training in resource development. Faculty will engage in more STEM-based research and raise the profile of USFSP. Statistical support will be provided to students for thesis work and to faculty for research, including statistical/ design and analysis in STEM fields, data quality enhancement services, and data collecting, managing, analyzing and archiving support. Requested funding will support the personnel needed to provide these services.

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

USFSP will produce graduates in STEM programs who can then meet employer demands in Pinellas County and Florida. Following are projections for total occupational growth in Pinellas County for 2018-2026 based on data from the Florida Department of Economic Opportunity: 15.2% increase in healthcare practitioners; 14.3 percent increase in business and financial operations; and 20% increase in healthcare support. Data analytics is the fastest growing industry. Between 2014-2018, it experienced a 79.3% increase.

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

The target population is students who attend USFSP, faculty at who teach and conduct STEM research at USFSP, employers in Pinellas County and Florida who hire graduates from targeted programs, and the Floridians who receive increased access to more high quality services.

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

An assessment and evaluation plan will be developed aligning with established standards and measurement tools for undergraduate research experiences. Faculty and student experiences will be evaluated through surveys. The monitoring of student experiences through post-graduation will capture program effectiveness. Demonstrated outcomes include increases in four-year graduation rates, employment and wages of graduates, graduate school enrollment, academic performance, retention and graduation rates of minority and underrepresented student populations, co-curricular programs, faculty research engagement, and external collaborations and partnerships. Support provided through the statistical consulting center will result in sound research design and analysis, enhancing research competitiveness. Faculty research outcomes will be measured by standard sources, including their impact factor and H factor. This will raise the profile of the research conducted as USFSP.

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?

Return funding to State

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.

University of South Florida St Petersburg



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13. Requestor Contact Information:

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- b. **Organization:** University of South Florida St Petersburg
- c. **E-mail Address:** mtadlock@mail.usf.edu
- d. **Phone Number:** (813)313-6717

14. Recipient Contact Information:

- a. **Organization:** University of South Florida St Petersburg
- b. **County:** Pinellas
- 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:** Helen Levine
- e. **E-mail Address:** hlevine@usfsp.edu
- f. **Phone Number:** (813)230-6017

15. Lobbyist Contact Information

- a. **Name:** Helen Levine
- b. **Firm Name:** University of South Florida St Petersburg
- c. **E-mail Address:** hlevine@usfsp.edu
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