

Appropriations Project Request - Fiscal Year 2018-19

For projects meeting the Definition of House Rule 5.14

1. Title of Project: Florida International University - Targeted STEM Initiatives

2. Date of Submission: 11/02/2017

3. House Member Sponsor: Manny Diaz

Members Copied:

4. DETAILS OF AMOUNT REQUESTED:

- Has funding been provided in a previous state budget for this activity? No
If answer to 4a is ?No? skip 4b and 4c and proceed to 4d, Col. E
- What is the most recent fiscal year the project was funded?
- Were the funds provided in the most recent fiscal year subsequently vetoed?
- Complete the following Project Request Worksheet to develop your request:

FY:	Input Prior Year Appropriation for this project for FY 2017-18 <i>(If appropriated in 2017-18 enter the appropriated amount, even if vetoed.)</i>			Develop New Funds Request for FY 2018-19 <i>(Requests for additional RECURRING funds are prohibited.)</i>		
Column:	A	B	C	D	E	F
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated <i>(Recurring plus Nonrecurring: column A + column B)</i>	Recurring Base Budget <i>(Will equal non-vetoed amounts provided in Column A)</i>	Additional Nonrecurring Request	TOTAL Nonrecurring plus Recurring Base Funds <i>(Will equal the amount from the Recurring base in Column D plus the Additional Nonrecurring Request in Column E.)</i>
Input Amounts:					4,995,334	4,995,334

5. Are funds for this issue requested in a state agency's Legislative Budget Request submitted for FY 2018-19? Yes

5a. If yes, which state agency? Department of Education

5b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested?

5c. Has the appropriate state agency for administering the funding, if the request were appropriated, been contacted? Yes

5d. Describe penalties for failing to meet deliverables or performance measures which the agency should provide in its contract to administer the funding if appropriated.

Subject to penalties put forth by the department.

6. Requester:

- a. Name: Kenneth Furton
- b. Organization: Florida International University
- c. Email: furtonk@fiu.edu
- d. Phone #: (305)348-2151

7. Contact for questions about specific technical or financial details about the project:

- a. Name: Michelle Palacios
- b. Organization: Florida International Univeristy
- c. Email: palaciom@fiu.edu
- d. Phone #: (305)348-3505

8. Is there a registered lobbyist working to secure funding for this project?

- a. Name: Chris Cantens
- b. Firm: Florida International University
- c. Email: ccantens@fiu.edu
- d. Phone #: (305)348-3505

9. Organization or Name of entity receiving funds:

- a. Name: Florida International University
- b. County (County where funds are to be expended): Miami-Dade
- c. Service Area (Counties being served by the service(s) provided with funding): Miami-Dade

10. What type of organization is the entity that will receive the funds? (Select one)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government
- University or College
- Other (Please describe)

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

FIU's Targeted STEM Initiatives will transform and reengineer STEM programs and courses to optimize the retention, graduation, marketability, and career creation and placement of engineering and computer science students--thereby launching a new engineering paradigm. The project will lead to more highly prepared STEM professionals, especially engineers and computer scientists, ready to drive the State's economic prosperity through innovation and entrepreneurship.

12. Provide specific details on how funds will be spent. (Select all that apply)

Spending Category	Description	Nonrecurring (Should equal 4d, Col. E) Enter ?0? if request is zero for the category
Administrative Costs:		
<input type="checkbox"/> a. Executive Director/Project Head Salary and Benefits		
<input checked="" type="checkbox"/> b. Other Salary and Benefits	Administrative Assistant to support project activities.	59,949
<input checked="" type="checkbox"/> c. Expense/Equipment/Travel/Supplies/Other	Expenses, equipment and supplies for project administration, includes computer for administrative assistant and office supplies.	5,000
<input type="checkbox"/> d. Consultants/Contracted Services/Study		
Operational Costs:		
<input checked="" type="checkbox"/> e. Salaries and Benefits	Salary and benefits for 10 engineering education research and DBER faculty, 20 faculty participating in Faculty Institute, 300 undergraduate LAs, 12 graduate student fellowships, 3 post-doctoral researchers, & 5 program operations staff.	3,630,385

<input checked="" type="checkbox"/> f. Expenses/Equipment/Travel/Supplies/Other	Expenses, equipment and supplies for project staff and project operations. Includes \$55,000 in travel to bring national leaders in STEM education to FIU, visits to cutting edge programs and facilities, and present outcomes across state and nation.	200,000
<input type="checkbox"/> g. Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		
<input checked="" type="checkbox"/> h. Construction/Renovation/Land/Planning Engineering	Renovation of 4 existing traditional classrooms into active learning classrooms targeting engineering and computer science students. 2 LA Commons Hubs with informal study space, small teaching labs and one classroom each.	1,100,000
TOTAL		4,995,334

13. For the Fixed Capital Costs requested with this issue (In Question 12, category ?h. Fixed Capital Outlay? was selected), what type of ownership will the facility be under when complete? (Select one correct option)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government (e.g., police, fire or local government buildings, local roads, etc.)
- State agency owned facility (For example: college or university facility, buildings for public schools, roads in the state transportation system, etc.)
- Other (Please describe)

14. Is the project request an information technology project?

No

15. Is there any documented show of support for the requested project in the community including public hearings, letters of support, major organizational backing, or other expressions of support?

No

16. Has the need for the funds been documented by a study, completed by an independent 3rd party, for the area to be served?

No

17. Will the requested funds be used directly for services to citizens?

Yes

17a. What are the activities and services that will be provided to meet the purpose of the funds?

First-year engineering and computer science programs will be redesigned; instructional and assessment practices will be enhanced in critical STEM courses; mental health and wellness interventions will be introduced; and an Engineering Education Research Department will be established.

17b. Describe the direct services to be provided to the citizens by the funding requested.

Direct services include enhanced teaching and assessment, and mental health and wellness intervention

17c. Describe the target population to be served (i.e., "the majority of the funds requested will serve these target populations or groups").

Select all that apply to the target population:

- Elderly persons
- Persons with poor mental health
- Persons with poor physical health
- Jobless persons
- Economically disadvantaged persons
- At-risk youth
- Homeless
- Developmentally disabled
- Physically disabled
- Drug users (in health services)
- Preschool students
- Grade school students
- High school students
- University/college students
- Currently or formerly incarcerated persons

- Drug offenders (in criminal Justice)
- Victims of crime
- General (The majority of the funds will benefit no specific group)
- Other (Please describe)

17d. How many in the target population are expected to be served?

- < 25
- 25-50
- 51-100
- 101-200
- 201-400
- 401-800
- >800

18. What benefits or outcomes will be realized by the expenditure of funds requested? (Select each Benefit/Outcome that applies)

Benefit or Outcome	Provide a specific measure of the benefit or outcome	Describe the method for measuring level of benefit
<input type="checkbox"/> Improve physical health		
<input checked="" type="checkbox"/> Improve mental health	We will see reduced anxiety and overall stress levels in students, and students will learn how to use some of the interventions independently, so they can maintain their wellness long after graduation.	Standardized tools (including surveys) will be used to establish baseline data and measure progress.
<input type="checkbox"/> Enrich cultural experience		
<input type="checkbox"/> Improve agricultural production/promotion/education		
<input checked="" type="checkbox"/> Improve quality of education	We will see the impact on quality of education in the enhanced curricular and course materials, in student learning and performance in critical STEM courses, and retention and	To demonstrate impact on quality of education, we will assess both student performance and learning, the latter with standardized instruments of measurement.

	graduation in STEM.	
<input type="checkbox"/> Enhance/preserve/improve environmental or fish and wildlife quality		
<input type="checkbox"/> Protect the general public from harm (environmental, criminal, etc.)		
<input type="checkbox"/> Improve transportation conditions		
<input checked="" type="checkbox"/> Increase or improve economic activity	Prepares future STEM professionals (especially engineers and computer scientists) to enter the workforce, thus stimulating economic prosperity.	Number of STEM graduates entering workforce, initial salaries.
<input type="checkbox"/> Increase tourism		
<input checked="" type="checkbox"/> Create specific immediate job opportunities	The Engineering Research Education unit will require the hiring of engineering education researchers, as well as staff, and the enhanced instructional practices will create opportunities to hire undergraduates, our own students, as learning assistants (LAs).	We will monitor the numbers of students, faculty, and staff employed to support this initiative.
<input checked="" type="checkbox"/> Enhance specific individual's economic self sufficiency	In that students who are retained and graduate in STEM fields have higher potential earnings upon graduation, and the benefits of a college degree include greater lifetime earnings, this project will enhance our students' economic self-sufficiency.	We will continue to monitor our students' employment and expand our efforts working with alumni to track the economic gains in the longer term.
<input type="checkbox"/> Reduce recidivism		
<input type="checkbox"/> Reduce substance abuse		

<input type="checkbox"/> Divert from Criminal/Juvenile justice system		
<input type="checkbox"/> Improve wastewater management		
<input type="checkbox"/> Improve stormwater management		
<input type="checkbox"/> Improve groundwater quality		
<input type="checkbox"/> Improve drinking water quality		
<input type="checkbox"/> Improve surface water quality		
<input type="checkbox"/> Other (Please describe):		

19. Provide the total cost of the project for FY 2018-19 from all sources of funding (Enter ?0? if amount is zero):

Type of Funding	Amount	Percent of Total	Are the other sources of funds guaranteed in writing?
1. Amount Requested from the State in this Appropriations Project Request:	4,995,334	100.0%	N/A
2. Federal:	0	0.0%	No
3. State: (Excluding the requested Total Amount in #4d, Column F)	0	0.0%	No
4. Local:	0	0.0%	No
5. Other:	0	0.0%	No
TOTAL	4,995,334	100%	

20. Is this a multi-year project requiring funding from the state for more than one year?

Yes

20a. How much state funding would be requested after 2018-19 over the next 5 years?

<1M

- 1-3M
- >3-10M
- >10M

20b. How many additional years of state support do you expect to need for this project?

- 1 year
- 2 years
- 3 years
- 4 years
- >= 5 years

20c. What is the total project cost for all years including all federal, local, state, and any other funds? Select the single answer which best describes the total project cost. If funds requested are for ongoing services or for recurring activities, select ?ongoing activity?.

- ongoing activity ? no total cost
- <1M
- 1-3M
- >3-10M
- >10M