

# **Florida International University**

## **Board of Trustees**



### **Florida Board of Governors**

## **2017-2018 FIXED CAPITAL OUTLAY BUDGET REQUEST**

**FIVE – YEAR CAPITAL IMPROVEMENT PLAN**

**APPROPRIATION BILL PROPOSED LANGUAGE**

**CAPITAL IMPROVEMENT FEE PROJECTS**

**August 1, 2016**

**(REVISED 8/4/16)**

**FLORIDA INTERNATIONAL UNIVERSITY  
AGENCY CAPITAL IMPROVEMENTS PROGRAM  
2017-2018 through 2021-2022**

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**STATE UNIVERSITY SYSTEM**  
**Five-Year Capital Improvement Plan (CIP-2) and Legislative Budget Request**  
 Fiscal Years 2017-18 through 2021-22

**Florida International University**

BOG SUBMITTAL  
 8/1/2016 Rev. 8/4/16

**PECO-ELIGIBLE PROJECT REQUESTS**

Priority No.	Project Title	2017-18	2018-19	2019-20	2020-21	2021-22
1	* FACILITIES INFRASTRUCTURE /CAPITAL RENEWAL - UW (P,C,E)	\$11,100,000	\$16,900,000	\$10,500,000	\$10,500,000	\$10,500,000
2	STRATEGIC LAND ACQUISITION - UW (A)	\$20,000,000	\$20,000,000			
3	** SCHOOL OF INTERNATIONAL & PUBLIC AFFAIRS (SIPA), Phase II - MMC (P,C)(C,E)	\$15,000,000				
4	*** ENGINEERING BUILDING, Phase I & II - MMC (P)(C,E)(C,E)	\$3,500,000	\$56,000,000	\$45,500,000		
5	REMODEL./RENOV. OF EXIST. EDUC. SPACE - MMC (P,C,E)(P,C,E)	\$19,000,000	\$19,000,000	\$19,000,000		
6	REMODEL./RENOV. OF EXIST. EDUC. SPACE - BBC (P,C,E)(P,C,E)	\$14,000,000	\$14,000,000	\$14,000,000		
7	GREEN LIBRARY ADDITION FOR STUDY, HUB AND STUDENT SUCCESS SPACE- MMC (P)(C)(E)			\$15,000,000	\$25,000,000	\$22,300,000
8	ACADEMIC HEALTH CENTER STUDY COMPLEX - MMC (P,C)(C,E)			\$10,280,000	\$14,120,000	
9	SCIENCE LABORATORY COMPLEX - MMC (P,C)(C)(C,E)			\$15,150,000	\$19,300,000	\$34,450,000
10	CLASSROOM/OFFICE, (ACADEMIC III) - BBC (P,C)(C,E)			\$3,420,000	\$23,000,000	\$7,130,000
11	REMODEL./RENOV. OF ACADEMIC DATA CENTER - MMC (P,C,E)(P,C,E)				\$12,775,000	\$7,557,500
12	FACULTY AND STAFF TRAINING AND DEVELOPMENT CENTER - MMC (P,C)(P,C,E)				\$1,250,000	\$21,450,000
13	HONORS COLLEGE - MMC (P,C)(C,E)				\$2,000,000	\$37,750,000
14	HUMANITIES CTR., (SCIENCE, TECH., ENG., ARTS & MATH.) - MMC (P,C)(C,E)				\$24,300,000	\$17,550,000
<b>TOTAL</b>		<b>\$82,600,000</b>	<b>\$125,900,000</b>	<b>\$132,850,000</b>	<b>\$132,244,998</b>	<b>\$158,687,500</b>

Academic or Other Programs to Benefit from Projects	Net Assignable Square Feet (NASF)	Gross Square Feet (GSF)	Project Cost	Project Cost Per GSF (Proj. Cost/ GSF)	Educational Plant Survey Recommended Date/Rec No.	Approved by Law - Include GAA reference
All	n/a	n/a	\$127,994,982	n/a	01/20/16	n/a
All	n/a	n/a	n/a	n/a	01/20/16	n/a
Int'l. Studies	36,078	57,725	\$30,000,000	\$519.71	01/20/16	n/a
Engineering	185,500	296,800	\$150,000,000	\$505.39	01/20/16	n/a
All	150,000	150,000	\$57,000,000	\$380.00	01/20/16	n/a
All	138,000	138,000	\$42,000,000	\$304.35	01/20/16	n/a
All	88,000	123,200	\$62,300,000	\$505.68	01/20/16	n/a
Academic Health	25,708	41,133	\$24,400,000	\$593.20	01/20/16	n/a
Sciences	79,500	127,200	\$68,900,000	\$541.67	01/20/16	n/a
All	41,200	65,920	\$33,550,000	\$508.95	01/20/16	n/a
All	24,000	24,000	\$20,332,500	\$847.19	01/20/16	n/a
All	27,850	44,560	\$22,700,000	\$509.43	01/20/16	n/a
Honors	52,000	83,200	\$39,750,000	\$477.76	01/20/16	n/a
Humanities	50,000	80,000	\$41,850,000	\$523.13	01/20/16	n/a

**CITF PROJECT REQUESTS**

Priority No.	Project Title	2017-18	2018-19	2019-20	2020-21	2021-22
1	GRAHAM UNIVERSITY CENTER - MMC (P,C,E)	\$12,000,000	\$12,000,000			
2	WOLFE UNIVERSITY CENTER RENOVATIONS - BBC (P,C,E)	\$3,000,000	\$3,000,000			
3	RECREATION CENTER EXPANSION - BBC (P,C,E)	\$1,000,000	\$1,000,000			
4	RECREATION CENTER REMODELING - MMC (P,C,E)	\$1,000,000				
<b>TOTAL</b>		<b>\$17,000,000</b>	<b>\$16,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>

Academic or to Benefit from Projects	Net Square Feet (NASF)	Gross Feet (GSF)	Project Cost	Project Cost (Proj. Cost/ GSF)	Committee Date
All					
All					
All					
All					

**REQUESTS FROM OTHER STATE SOURCES**

Priority No.	Project Title	2017-18	2018-19	2019-20	2020-21	2021-22
1	PARKVIEW HOUSING II - MMC (P,C,E)					
2	RESEARCH 1 - MMC, (P,C,E)					
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Academic or to Benefit from Projects	Net Square Feet (NASF)	Gross Feet (GSF)	Project Cost	Project Cost (Proj. Cost/ GSF)
Resident Life				
Research				

**REQUESTS FROM NON-STATE SOURCES, INCLUDING DEBT**

Priority No.	Project Title	2017-18	2018-19	2019-20	2020-21	2021-22
1	HOTEL/CONFERENCE CENTER - MMC (P,C,E)					
2	MEDICAL ARTS PAVILION - MMC, (P,C,E)					
3	HONORS COLLEGE HOUSING AND SUPPORT AREAS - MMC (P,C,E)					
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Academic or to Benefit from Projects	Net Square Feet (NASF)	Gross Feet (GSF)	Project Cost	Project Cost (Proj. Cost/ GSF)	Expected Funding (if known)	Master Plan Date
All					Private	03/27/14
COM					M-Dade/Private	03/27/14
All					Private	03/27/14

\* Includes BBC Lift Station and Sewer Line Repair of \$4 million and Engineering And Computer Science Building Envelope of \$3 million.  
 \*\* Amount reflects 50 percent PECO; remaining 50 percent private funding.  
 \*\*\* Amount reflects 70 percent PECO; remaining 30 percent (\$45 million) private funding.

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## CIP-3 SHORT-TERM PROJECT EXPLANATION

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Facilities IFS/Capital Renewal  
University Wide

AGENCY PRIORITY 1  
DATE BUILDING PROGRAM  
APPROVED N/A

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### PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

The purpose of this program is to provide funding for the renovation and replacement of critical infrastructure needs and to support capital renewal programs of the educational plant. A broad range of projects encompassing all campuses of the University and all program areas is planned.

In order to continue to support the University's rapid growth, roadway infrastructure is needed to meet the requirements of the University's Master Plan. Funding is needed for new roadways, curb and gutter, signage, catch basins and traffic controls. Also planned are the renovation of existing and the construction of new pedestrian pathways and sidewalks. Funding is also requested for lighting to ensure public safety and appropriate landscape and irrigation.

The existing plumbing systems in some of our older buildings continue to deteriorate. Funding is needed to renovate and replace these aging systems. Renovation and replacement of restroom fixtures with ADA accessible and environmentally appropriate new water saving units is planned.

Infrastructure is needed for a number of buildings on campus that require upgrades to multiple systems. These improvements include air handlers, electrical and mechanical systems. ADA retrofits and renovations continue to be a top priority. Replacement and renovation of aging elevators is also planned.

The University also plans to continue the renovation and retrofit of classroom, laboratory and learning areas. These retrofits and renovations will address ADA issues, replace aging infrastructure and support current curriculum needs.

Stormwater flooding also continues to be a priority issue. During heavy rains, a number of areas on campus have very large pools of standing water. These areas are along the pedestrian sidewalks and along roadways. Infrastructure funds are needed to install catch basins throughout campus for the safety of both pedestrian and vehicular traffic.

In recognition of the University's commitment to sustainability practices infrastructure projects will be designed and built with the goal of meeting the USGBC's LEED "Silver" certification rating level at a minimum when applicable. All projects shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 1).



**CIP-3, D**  
**Higher Educational Facilities**  
**Return on Investment**

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida International University

Project: Facilities Infrastructure/Capital Renewal

Total Project Cost: \$ 128.0 M

Previous Funding (State): \$ 68.5 M

Current Request: \$ 11.1 M

STEM (Yes or No): YES

Contact Person (Name, Position, Office and Cell Phone No., Email): John M. Cal, AVP, Facilities Management, O: 305-348-4001, C: 305-323-1488, e-mail: [John.Cal@fiu.edu](mailto:John.Cal@fiu.edu)

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Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1.  Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc)

Explanation: N/A

2.  Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc)

Explanation: N/A

3.  Amount of Additional Research Funding to be Obtained; Patents Awarded

Explanation: N/A

4.  Project is in an Area of Strategic Emphasis as Determined by the Board of Governors' Gap Analysis or the Department of Economic Opportunity's National Occupational Forecast

Explanation: N/A

5.  Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

Explanation: N/A

6.  Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

Explanation: N/A

7.  Project Improves the Use, either Operationally or Academically, of Existing Space

Explanation: The project includes capital renewal of existing facilities which in turn will improve the learning environment with safer more efficient and better control of the indoor teaching environment.

8.  Contribution of Local Funds Through Matching Grants, Property Donations, etc.

Explanation: N/A

9.  Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)

Explanation: Infrastructure and capital renewal investments are essential to continue to reduce energy costs by maintaining aging infrastructure with more efficient replacement systems.

Other Pertinent Information not included above:



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**CIP-3 SHORT-TERM PROJECT EXPLANATION**

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: STRATEGIC LAND ACQUISITION  
University Wide

AGENCY PRIORITY 2  
DATE BUILDING PROGRAM  
APPROVED N/A

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**PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES**

Over the past 15 years, the Campus Master Plan has anticipated the need to expand the boundaries of the Modesto A. Maidique Campus as evidenced by various plans for joint use facilities shared with Miami-Dade county and the county fair. The needs for additional land has become increasingly more urgent due to planned growth in student enrollment, additional academic programs to meet critical need and expand jobs and economic development in our communities, more vibrant student life activities, and expanded utility/infrastructure needs.

Available land for expansion in Miami-Dade County has become scarce as the population continues to grow at a rate almost double the State's population growth. At the same time local resources and infrastructure approach the physical limits of development capacity. This new request to fund land acquisition has been given top priority in the context of our list of capital improvement needs. FIU must now take this necessary next step in order to secure sufficient land to accomplish the vision for its future growth.

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 2).

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**STATISTICAL JUSTIFICATION**

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

Page 1 of 1

GEOGRAPHIC LOCATION: **Universitywide, Miami, North Miami, and Miami Beach**

COUNTY: **Miami-Dade County**

**2. STRATEGIC LAND ACQUISITION**

PROJECT BT No.:

CIP-3, B - PROJECT DESCRIPTION									
Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date		
Space Detail for Remodeling Projects									
						BEFORE	AFTER		
						Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Totals	<u>0</u>		<u>0</u>		<u>\$0</u>				
*Apply Unit Cost to total GSF based on primary space type									
Remodeling/Renovation	<input type="text"/>		<input type="text"/>		<input type="text"/>				
Total Construction - New & Rem./Renov.					<b>\$0</b>	Total	Total		

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS		ESTIMATED COSTS						Funded & In
		Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	CIP
Basic Construction Cost				<b>\$0</b>				<b>\$0</b>
1. a. Construction Cost (from above)				<b>\$0</b>				<b>\$0</b>
Add'l/Extraordinary Const. Costs								
b. Environmental Impacts/Mitigation								
c. Site Preparation								
d. Landscape/Irrigation								
e. Plaza/Walks								
f. Roadway Improvements								
g. Parking ___ spaces								
h. Telecommunication								
i. Electrical Service								
j. Water Distribution								
k. Sanitary Sewer System								
l. Chilled Water System								
m. Storm Water System								
n. Energy Efficient Equipment								
Total Construction Costs		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
2. Other Project Costs								
a. Land/existing facility acquisition		<b>\$9,200,000</b>	<b>\$18,400,000</b>	<b>\$18,400,000</b>				<b>\$36,800,000</b>
b. Professional Fees								<b>\$0</b>
CM Fees								<b>\$0</b>
c. Fire Marshall Fees								<b>\$0</b>
d. Inspection Services								<b>\$0</b>
e. Insurance Consultant								<b>\$0</b>
f. Surveys & Tests								<b>\$0</b>
g. Permit/Impact/Environmental Fees								<b>\$0</b>
h. Artwork (not applicable)								<b>\$0</b>
i. Moveable Furnishings & Equipment								<b>\$0</b>
j. Project Contingency		<b>\$500,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$100,000</b>
k. Project Administration		<b>\$300,000</b>	<b>\$600,000</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60,000</b>
Total - Other Project Costs		<b>\$10,000,000</b>	<b>\$20,000,000</b>	<b>\$20,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000,000</b>
ALL COSTS 1+2		<b>\$10,000,000</b>	<b>\$20,000,000</b>	<b>\$20,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000,000</b>

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	CIP & Beyond
PECO	2014-2015	<b>\$10,000,000</b>				
	2015-2016	<b>\$0</b>				
TOTAL		<b>\$10,000,000</b>	TOTAL			<b>\$50,000,000</b>

**CIP-3, D**  
**Higher Educational Facilities**  
**Return on Investment**

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida International University

Project: Strategic Land Acquisition

Total Project Cost: \$ 50.0 M

Previous Funding (State): \$ 10.0 M

Current Request: \$ 10.0 M

STEM (Yes or No): YES

Contact Person (Name, Position, Office and Cell Phone No., Email): Sandra Gonzalez-Levy, VP, University & Community Relations, O: 305-348-7235, C: 786-423-5805, e-mail: [Sandra.Gonzalez-Levy@fiu.edu](mailto:Sandra.Gonzalez-Levy@fiu.edu)

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Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1.  Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc)

Explanation: N/A

2.  Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc)

Explanation:

a. FIU's Main Campus is the second smallest in size and has the highest FTE and headcount per acre in the SUS, at 104 headcount/acre, and 59 FTE/acre, as compared to the SUS averages of 37 headcount/acre and 22 FTE/acre.

b. Land acquisition would support the enrollment of approximately 11,000 additional students.

3.  Amount of Additional Research Funding to be Obtained; Patents Awarded

Explanation: FIU estimates that within 5-10 years of the land acquisition (i.e. allowing time for construction, etc.), FIU will increase research funding by \$50-60 million annually.

4.  Project is in an Area of Strategic Emphasis as Determined by the Board of Governors' Gap Analysis or the Department of Economic Opportunity's National Occupational Forecast

Explanation: N/A

5.  Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

Explanation: *U.S. News & World Report* ranks FIU first among public universities in Florida for graduating students with the lowest debt, and ranks FIU 13<sup>th</sup> in the entire nation. This strategic land acquisition would enable FIU to further magnify its impact.

6.  Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

Explanation:

- a. FIU, Miami Dade County and Miami Dade County Fair and Expo have been working together since 2010 to develop FIU expansion and Fair relocation plans. An independent economic impact study indicates that FIU acquisition would contribute \$900M in construction and a recurring economic benefit of \$541M per year to the local economy.
- b. Academic space built on this land would support instruction, research, service, and community engagement. FIU has educated more than 200,000 graduates in its 50 year history, 115,000 of whom continue to live and work in south Florida. Increasing enrollment has a direct impact on the local economy.
- c. Emphasis placed on jobs and ties to the business community, working with local businesses, such as utilities, design/engineering and construction firms in addition to industry and government to promote the development and commercialization of research. The land acquisition would result in an expansion of an estimated 500 permanent new jobs within 5 years.

7.  Project Improves the Use, either Operationally or Academically, of Existing Space

Explanation: N/A

8.  Contribution of Local Funds Through Matching Grants, Property Donations, etc.

Explanation: N/A

9.  Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)

Explanation: N/A

Other Pertinent Information not included above:

This initiative was approved in 2014 by Miami-Dade residents in a county-wide referendum by 65% vote.

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## CIP-3 SHORT-TERM PROJECT EXPLANATION

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: SIPA, Phase II  
Modesto Maidique Campus

AGENCY PRIORITY 3  
DATE BUILDING PROGRAM  
APPROVED N/A

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### PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

This project, which will be 50 percent funded by the \$15 million gift from the Green Family Foundation, will house International Studies and affiliated faculty and students which were unable to be included in the phase I project. The building will provide a striking physical symbol of the international dimension of the University's mission and identity which is compatible with and complementary to the phase I building design. It will provide a state of the art venue for the many activities, classes, lectures, workshops, performances, conferences, and faculty and graduate student research that constitute the agendas of its occupants. In order to realign FIU and BOG strategic priorities this project was moved into the first year of the FCO priority list in place of the Humanities Center which was consequently moved to a lower priority position.

The project budget includes extraordinary costs for partially filling and reconfiguring an existing lake and providing covered walkway connections to the existing SIPA I building.

In recognition of the University's commitment to sustainability practices this project will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. The Project shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 4).

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### STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

Page 1 of 1

GEOGRAPHIC LOCATION: **Modesto Maidique Campus**  
**3. School of International & Public Affairs (SIPA), Phase II**

COUNTY: **Miami-Dade County**  
 PROJECT BT No.:

Facility/Space Type	Net Area (NASF)	Net to		Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date		
		Gross Conversion	Gross Area (GSF)						
Classroom/Seminar Rooms	9,000	1.6	14,400	\$324.89	\$4,678,398	1/1/2019	6/1/2020		
Study	3,200	1.6	5,120	\$328.35	\$1,681,127				
Office /Computers	16,878	1.6	27,005	\$338.75	\$9,147,853				
Instructional Media	2,000	1.6	3,200	\$244.01	\$780,836				
Campus Support Services	5,000	1.6	8,000	\$310.02	\$2,480,133				
Space Detail for Remodeling Projects									
						BEFORE	AFTER		
						Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Totals	<u>36,078</u>		<u>57,725</u>		<u>\$18,768,347</u>				
*Apply Unit Cost to total GSF based on primary space type									
Remodeling/Renovation									
Total Construction - New & Rem./Renov.					<u>\$18,768,347</u>	Total		Total	

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS	ESTIMATED COSTS						Funded & In CIP
	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	
Basic Construction Cost							
1. a. Construction Cost (from above)		\$12,500,000	\$6,268,347				\$18,768,347
Add'l/Extraordinary Const. Costs							
b. Environmental Impacts/Mitigation							
c. Site Preparation (fill pond)		\$500,000					\$500,000
d. Landscape/Irrigation			\$450,000				\$450,000
e. Plaza/Walks (covered walkway)			\$1,000,000				\$1,000,000
f. Roadway Improvements			\$300,000				\$300,000
g. Parking ___ spaces			\$200,000				\$200,000
h. Telecommunication			\$200,000				\$200,000
i. Electrical Service			\$100,000				\$100,000
j. Water Distribution			\$100,000				\$100,000
k. Sanitary Sewer System			\$100,000				\$100,000
l. Chilled Water System			\$150,000				\$150,000
m. Storm Water System			\$100,000				\$100,000
n. Energy Efficient Equipment			\$25,000				\$25,000
Total Construction Costs	\$0	\$13,000,000	\$8,993,347	\$0	\$0	\$0	\$21,993,347
2. Other Project Costs							
a. Land/existing facility acquisition							
b. Professional Fees		\$1,296,717	\$462,751				\$1,759,468
CM Fees		\$219,933					\$219,933
c. Fire Marshall Fees		\$54,983					\$54,983
d. Inspection Services		\$100,000	\$100,000				\$200,000
e. Insurance Consultant		\$10,997	\$10,997				\$21,993
f. Surveys & Tests		\$80,000	\$40,000				\$120,000
g. Permit/Impact/Environmental Fees		\$50,000	\$70,000				\$120,000
h. Artwork			\$109,967				\$109,967
i. Moveable Furnishings & Equipment			\$2,400,308				\$2,400,308
j. Project Contingency		\$0	\$2,100,000				\$2,100,000
k. Construction Service Reimbursement		\$187,369	\$712,631				\$900,000
Total - Other Project Costs	\$0	\$2,000,000	\$6,006,653	\$0	\$0	\$0	\$8,006,653
ALL COSTS 1+2	\$0	\$15,000,000	\$15,000,000	\$0	\$0	\$0	\$30,000,000

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
			PECO	2017-18	\$15,000,000	
			PRIVATE	2018-19	\$15,000,000	
TOTAL			TOTAL		\$15,000,000	\$30,000,000

**CIP-3, D**  
**Higher Educational Facilities**  
**Return on Investment**

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida International University  
Project: School of International and Public Affairs Phase II  
Total Project Cost: \$ 30.0 M  
Previous Funding (State): N/A  
Current Request: \$15.0 M  
STEM (Yes or No): NO

Contact Person (Name, Position, Office and Cell Phone No., Email): John Stack, Associate Dean College of Arts and Sciences, O: 305-348-7266, C: 305-498-5699, e-mail: [stackj@fiu.edu](mailto:stackj@fiu.edu)

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Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1.  Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc)

Explanation:

- a. How many degrees is this request currently serving?

The School of International and Public Affairs (SIPA) at FIU offers 13 bachelor's, 12 master's, 2 professional master's and 8 research doctorate degrees. It also offers an additional 20 joint degrees with other schools and colleges.

In the Academic Year 2013-14, SIPA awarded 1,867 degrees (1,549 bachelor's, 295 master's, and 23 research doctorates). SIPA's degree production accounts for 18% of the bachelor's, 9% of the master's and 14% of the research doctorates awarded by FIU during that academic year. Thirty-one percent of the total degrees awarded by SIPA were awarded in an area of strategic emphasis – GLOBAL. SIPA also awarded 194 undergraduate and graduate certificates during the 2013-14 academic year.

## 2013-14 Degrees Awarded in SIPA Programs

DEGREE CIP DESCRIPTION	DEGREE CIP	BACHELORS DEGREES	MASTERS DEGREES	RESEARCH DOCTORATES
African-American (Black) Studies	050201	0	3	0
Asian Studies	050103	25	11	0
Criminal Justice Studies	430104	466	52	0
Economics	450601	101	8	1
French	160901	7	0	0
Geography	450701	8	0	0
History	540101	82	32	5
International Relations	450901	298	12	7
International/Global Studies	302001	0	26	0
Latin American Studies	050107	0	12	0
Political Science & Government	451001	264	6	2
Portuguese	160904	5	0	0
Public Administration	440401	115	109	0
Religious Studies	380201	21	13	0
Sociology	451101	133	6	6
Spanish	160905	24	5	2
<b>Grand Total</b>		<b>1,549</b>	<b>295</b>	<b>23</b>

SIPA served 6,078 students pursuing one of its degree programs in fall 2014. Furthermore, SIPA provides support and education opportunities for FIU students enrolled in other majors as well as non-degree seeking students. In fall 2014, over 12,000 non-SIPA majors took courses offered by SIPA departments. This contributed to 17.3% of the University's total student credit hours.

**b. How are these degrees meeting the needs of the State of Florida?**

Students graduating with a BA from SIPA receive entry-level positions with an average salary of approximately \$36,000. Graduate students are entering the workforce with jobs paying over \$50,000, on average. According to the Florida Education & Training Placement Information Program (FETPIP), the median wages of 2011-12 bachelor's graduates for five of the SIPA bachelor's programs were above FIU's average of \$35,100.

Students with SIPA majors entering the job market help to meet local and state needs. Public Administration graduates, for example, assume leadership positions within the public, private, and non-profit sectors. These solution seekers, equipped with managerial skills and a diverse global perspective, contribute to improving the housing, transportation, as well as social and health services sectors. Criminal Justice graduates are likewise contributing to local- and state-wide needs. In recent years, Miami has seen a rise in drug and human trafficking, money laundering and cyber security breaches. Consequently, students are entering in-demand sectors such as juvenile justice, corrections, law enforcement, and border security and control. Given the recognition and need for graduate level education in disaster assessment, SIPA's new professional master's degree in disaster management strives to develop and improve the skills of disaster mitigation practitioners and first-responders.



Currently, there are over 1,100 multi-nationals in South Florida, over 600 of which are from Latin America. Countries wishing to do business in Latin America or Latin American businesses wishing to do business in the United States or Canada, choose to set up offices in Miami. SIPA's Latin American and Caribbean Center (LACC) with its Title VI grant is a designated U.S. national resource center for this national strategic priority. The students that graduate from the program provide a workforce that is diverse and has linguistic and cultural competence that could potentially give Miami and Florida a competitive edge in areas such as trade and logistics, manufacturing an innovation, tourism and travel, as well as talent and investment. .

**c.** How many additional degrees are projected as a result of this request, and over what timeframe?

FIU projections for degrees awarded calls for increasing degree production by 7% by academic year 2017-18, from 12,318 degrees in 2013-14 to 13,169 in 2017-18. SIPA is poised to make its contribution to this goal by increasing its degree production by 5%.

Besides the new professional master's degree in disaster management and the new Ph.D. in International Crime and Justice, SIPA will offer additional degrees over the next several years to meet both professional and academic demands. Bachelor's degrees include: Latin American Studies, National Security, Chinese Mandarin, Arabic, and Farsi. Professional master's degrees include: Diplomacy, Global Economics, and Cybersecurity. Research doctorate degrees include: Religious Studies.

- 2.**  Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc.)

Explanation:

- a.** SIPA serves over 16,000 students (including non-SIPA majors) with nearly 200 faculty members. Its eight departments and 17 interdisciplinary centers, institutes, and programs are scattered throughout the FIU campus. SIPA Phase II will allow 6 departments and 15 centers to move into one space. Students will benefit from clustering multidisciplinary programs together. SIPA Phase II will also include flexible facilities for active learning, such as reverse classrooms, which will improve the students learning experience.
- b.** SIPA Phase II will also improve the services provided to our students and enhance the multi-cultural experience the School offers. Student services like undergraduate and career placement advisors will move into the SIPA Phase II building, allowing SIPA to provide targeted support to its students and increase the 6-year retention (currently at 75%) and graduation rates (currently at 64%) for its FTICs .
- c.** Designed to promote a synergistic international and public affairs "think-tank," SIPA Phase II will foster collaboration, innovation, and growth enhancing student learning outcomes and provide our faculty more opportunities for research collaboration.
- d.** What is the number of students projected as a result of this request, and over what timeframe?

The FIUBeyondPossible2020 Strategy Plan calls for increasing the total number of students enrolled to 65,000, an increase of 20% by year 2019-20. Accordingly, SIPA plans to increase its student base by 20% over the next five years.

3.  Amount of Additional Research Funding to be Obtained; Patents Awarded

Explanation:

- a. How many research dollars does this project currently attract and what projection is expected with the completion of this project, and over what timeframe?

The units within SIPA currently attract over \$5 million in research dollars. This amount is expected to grow to \$8 million in the next 2 years. As it is envisioned that SIPA’s faculty will be housed in SIPA Phase II, research collaboration will also increase resulting in new synergies that will translate to funded projects. While patents are not a customary product of a School of International and Public Affairs, publications such as books and articles are. In 2013-2014, SIPA faculty published 275 books and articles and made 484 presentations.

4.  Project is in an Area of Strategic Emphasis as Determined by the Board of Governors’ Gap Analysis or the Department of Economic Opportunity’s National Occupational Forecast

Explanation:

- a. (See attached “SUS Program Inventory Gap Programs”)
- b. Identify which Gap Programs this request addresses, and provide specific data.

Currently, this project is not in the Board of Governor’s GAP Analysis. However, SIPA offers degrees in another of the BOG areas of strategic emphasis area --Global. In 2013-14, SIPA awarded 437 degrees in global strategic areas. Globalization being one of the themes of the University’s Strategic Plan and one of the BOG strategic emphasis areas makes SIPA an integral part of the State’s education future.

DEGREE CIP DESCRIPTION	DEGREE CIP	BACHELORS DEGREES	MASTERS DEGREES	RESEARCH DOCTORATES	TOTAL
African-American (Black) Studies	050201	0	3	0	3
Asian Studies	050103	25	11	0	36
French	160901	7	0	0	7
International Relations	450901	298	12	7	317
International/Global Studies	302001	0	26	0	26
Latin American Studies	050107	0	12	0	12
Portuguese	160904	5	0	0	5
Spanish	160905	24	5	2	31
<b>Grand Total</b>		<b>359</b>	<b>69</b>	<b>9</b>	<b>437</b>

5.  Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

Explanation:

- a. “Preeminent Program” = any academic program that has a recognized national ranking or is recognized by an entity in the industry. If this project improves the ranking of a Preeminent

Program, please specify it's rank, and where this project could then realistically rank with the funding of this project.

Currently, SIPA's Model United Nations team has ranked #5 in North America, surpassing teams from West Point, George Washington and Yale Universities. Every year, the Model United Nations team strives to increase its ranking. With dedicated space and support, gaining the top position is very realistic.

This funding would greatly support SIPA's goal to achieve full membership in the Association of Professional Schools of International and Public Affairs (APSIA). APSIA represents the best schools of international and public affairs in the world, combining multi-disciplinary and policy orientated studies with career development. Currently, with membership limited to 34 schools worldwide, acceptance into APSIA would put SIPA among the top 40 schools of international and public affairs globally within the next five years. SIPA would also be the only APSIA school in Florida and can serve its Latin American sister universities where there are currently no APSIA schools.

SIPA would also have the opportunity to enhance its performance funding model metric goals by expanding their programs to serve students that are not able to enroll in critical classes. This, in turn, is expected to have great impact in improving the six-year graduation rate. In alignment with FIU's student success strategies, SIPA will also offer scholarships and support systems to increase its retention rate.

6.  Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

Explanation:

According to Forbes Magazine, internships may be the easiest way to obtain a job. Consequently, placing students in quality internships is crucial for the reputation and success of SIPA as well as the career placement of graduates. SIPA Phase II will house an internship and career placement team which will help students identify internship prospects, work with students on drafting resumes and cover letters, rehearsing for job interviews, as well as career counseling.

With internship experience as well as valuable academic and professional training, SIPA graduates will be better prepared to not only enter the workforce but obtain mid-level and leadership positions in NGOs, government agencies, non-profit and for profit organizations specializing in international and public affairs such as law enforcement, defense, intelligence, security, economic development, trade and finance, and public administration.

7.  Project Improves the Use, either Operationally or Academically, of Existing Space

Explanation:

- a. Currently the SIPA I building, completed in 2011, cannot house the entire complement of departments, centers, institutes, and programs, that encompasses the School of International and Public Affairs. Students and faculty are, therefore, scattered across the university.
- b. Expansion would provide SIPA with the critically needed square footage to unite its students and faculty in an innovative teaching-learning environment.
- c. Research has shown that collaborative spaces result in better learning outcomes and increased graduation and retention rates.

- d. Collaborative space at SIPA will create an environment most conducive to critical investigation of the most serious challenges facing our community and the world and will allow our students to solve local, regional, national, and global problems.
- e. The facility will serve as a think-tank fostering synergies and a cross-pollination of ideas among faculty, students, visiting diplomats, policy makers and world leaders.

8.  Contribution of Local Funds Through Matching Grants, Property Donations, etc.

Explanation:

Completion of the SIPA II building would match a private donation secured from a local Miami philanthropist and allow SIPA to launch a fundraising campaign to achieve its aspiration. Commitment and investment from the State of Florida would be a tremendous asset.

9.  Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)  
Explanation: N/A

Other Pertinent Information not included above:

The FIU School of International and Public Affairs aspires to be a globally recognized, school of international and public affairs, committed to innovative education with professional programs in global governance, human security, disaster preparedness, and risk management and corporate citizenship

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## CIP-3 SHORT-TERM PROJECT EXPLANATION

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Engineering Building – Phase I & Phase II  
Modesto Maidique Campus

AGENCY PRIORITY 4  
DATE BUILDING PROGRAM  
APPROVED N/A

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### PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

This new building will house classrooms, instructional and research laboratories and collaboration space for approximately 75 faculty and 1400 engineering majors as well as other students taking relevant engineering courses. The building will be designed for active learning classrooms and teaching laboratories through which FIU will continue its very successful STEM curricular reforms.

The building will be located on the Modesto A. Maidique campus to facilitate and enhance ongoing and future collaborations between the College of Engineering and Computing and the health sciences colleges of medicine, nursing, and public health. Many of the most significant breakthroughs in health sciences will increasingly be at the interface between these disciplines and engineering and computer science.

The building is needed for at least three reasons: (1) to accommodate the growth in the College of Engineering and Computing in response to the FIU 2020 Strategic Plan, the Department of Defense identified decadal growth needs in engineering disciplines, and the President's Jobs and Competitiveness Council call for an additional 10,000 engineers annually; (2) to allow FIU to fully capitalize on the available research funding and job opportunities for graduates that are occurring at the interface between engineering and health science disciplines; and (3) to allow engineering units with major national funding through NSF Engineering Research Centers and NSF Natural Hazards Engineering Research Infrastructure programs to expand at the Engineering Center.

The project budget includes extraordinary costs of upgrading and extending existing central campus infrastructure to the project site.

In recognition of the University's commitment to sustainability practices this project will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. The Project shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is partially included in the approved 2015-2020 Educational Plant Survey dated 1/20/2016, recommendation 12).

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### STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: **Modesto Maidique Campus**

COUNTY: **Miami-Dade County**

**4. ENGINEERING BUILDING**

PROJECT BT No.:

CIP-3, B - PROJECT DESCRIPTION	Facility/Space Type	Net to		Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date		
		Net Area (NASF)	Gross Conversion						Gross Area (GSF)
<b>Classroom</b>		<b>28,000</b>	<b>1.6</b>	<b>44,800</b>	<b>\$324.89</b>	<b>\$14,555,015</b>	1/1/2019	6/1/2020 (Phase I)	
<b>Teaching Lab</b>		<b>10,000</b>	<b>1.6</b>	<b>16,000</b>	<b>\$346.59</b>	<b>\$5,545,417</b>	1/1/2020	6/1/2021 (Phase II)	
<b>Study</b>		<b>20,000</b>	<b>1.6</b>	<b>32,000</b>	<b>\$328.35</b>	<b>\$10,507,046</b>			
<b>Research Lab</b>		<b>90,000</b>	<b>1.6</b>	<b>144,000</b>	<b>\$413.85</b>	<b>\$59,594,136</b>			
<b>Office/Computer</b>		<b>30,000</b>	<b>1.6</b>	<b>48,000</b>	<b>\$338.75</b>	<b>\$16,259,959</b>			
<b>Instructional Media</b>		<b>7,500</b>	<b>1.6</b>	<b>12,000</b>	<b>\$244.01</b>	<b>\$2,928,134</b>			
Space Detail for Remodeling Projects									
						BEFORE		AFTER	
						Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Totals		<u>185,500</u>		<u>296,800</u>					
*Apply Unit Cost to total GSF based on primary space type									
Remodeling/Renovation									
Total Construction - New & Rem./Renov.						<u>\$109,389,707</u>	Total	Total	

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS	ESTIMATED COSTS						
	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	Funded & In CIP
Basic Construction Cost							
1. a. Construction Cost (from above)			<b>\$73,000,000</b>	<b>\$36,389,707</b>			<b>\$109,389,707</b>
Add/Extraordinary Const. Costs							
b. Environmental Impacts/Mitigation			<b>\$50,000</b>				
c. Site Preparation			<b>\$300,000</b>				<b>\$50,000</b>
d. Landscape/Irrigation			<b>\$400,000</b>				<b>\$300,000</b>
e. Plaza/Walks			<b>\$300,000</b>				<b>\$400,000</b>
f. Roadway Improvements			<b>\$500,000</b>				<b>\$300,000</b>
g. Parking ___ spaces			<b>\$450,000</b>				<b>\$500,000</b>
h. Telecommunication			<b>\$300,000</b>				<b>\$450,000</b>
i. Electrical Service			<b>\$200,000</b>				<b>\$300,000</b>
j. Water Distribution			<b>\$300,000</b>				<b>\$200,000</b>
k. Sanitary Sewer System			<b>\$350,000</b>				<b>\$300,000</b>
l. Chilled Water System			<b>\$700,000</b>				<b>\$350,000</b>
m. Storm Water System			<b>\$200,000</b>				<b>\$700,000</b>
n. Energy Efficient Equipment							<b>\$0</b>
Total Construction Costs	<b>\$0</b>	<b>\$0</b>	<b>\$77,050,000</b>	<b>\$36,389,707</b>	<b>\$0</b>	<b>\$0</b>	<b>\$113,439,707</b>
2. Other Project Costs							
a. Land/existing facility acquisition							
b. Professional Fees		<b>\$3,172,004</b>	<b>\$2,822,511</b>	<b>\$3,080,662</b>			<b>\$9,075,177</b>
CM Fees		<b>\$1,134,397</b>					<b>\$1,134,397</b>
c. Fire Marshall Fees		<b>\$283,599</b>					<b>\$283,599</b>
d. Inspection Services				<b>\$200,000</b>			<b>\$200,000</b>
e. Insurance Consultant			<b>\$56,720</b>	<b>\$56,720</b>			<b>\$113,440</b>
f. Surveys & Tests		<b>\$10,000</b>		<b>\$70,000</b>			<b>\$80,000</b>
g. Permit/Impact/Environmental Fees				<b>\$100,000</b>			<b>\$100,000</b>
h. Artwork				<b>\$567,199</b>			<b>\$567,199</b>
i. Moveable Furnishings & Equipment				<b>\$13,006,482</b>			<b>\$13,006,482</b>
j. Project Contingency		<b>\$250,000</b>		<b>\$7,250,000</b>			<b>\$7,500,000</b>
k. Construction Service Reimbursement		<b>\$150,000</b>	<b>\$70,769</b>	<b>\$4,279,231</b>			<b>\$4,500,000</b>
Total - Other Project Costs	<b>\$0</b>	<b>\$5,000,000</b>	<b>\$2,950,000</b>	<b>\$28,610,293</b>	<b>\$0</b>	<b>\$0</b>	<b>\$36,560,293</b>
ALL COSTS 1+2	<b>\$0</b>	<b>\$5,000,000</b>	<b>\$80,000,000</b>	<b>\$65,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$150,000,000</b>

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
			PECO 2017-18		\$3,500,000	
			Private 2017-18		\$1,500,000	
			PECO 2018-19		\$56,000,000	
			Private 2018-19		\$24,000,000	
			PECO 2019-20		\$45,500,000	
			Private 2019-20		\$19,500,000	
<b>TOTAL</b>		<b>\$0</b>	<b>TOTAL</b>		<b>\$150,000,000</b>	<b>\$150,000,000</b>

**CIP-3, D**  
Higher Educational Facilities  
Return on Investment

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida International University

Project: Engineering Building – Phase I & Phase II

Total Project Cost: \$ 150.0 M

Previous Funding (State): N/A

Current Request: \$3.5 M

STEM (Yes or No): YES

Contact Person (Name, Position, Office and Cell Phone No., Email): Ranu Jung, PhD, Interim Dean, College of Engineering and Computing O: 305-348-3722 C: 602-327-7567, [rjung@fiu.edu](mailto:rjung@fiu.edu)

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Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1.  Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc)

Explanation:

- a. How many degrees is this request currently serving?

The College of Engineering and Computing (CEC) offers 10 bachelor's, 12 master's, 3 professional master's and 6 research doctorate degrees.

In the Academic Year 2015-16, CEC awarded 1,201 degrees (842 bachelor's, 314 master's, and 45 research doctorates). CEC's degree production accounted for 9% of the bachelor's, 10% of the master's and 30% of the research doctorates awarded by FIU during that academic year. CEC awarded 51% of FIU's STEM degrees in 2015-16 (49% of bachelor's STEM, 56% of master's STEM, and 57% of research doctorate STEM degrees).

## 2015-16 Degrees Awarded in CEC Programs

DEGREE CIP DESCRIPTION	DEGREE CIP	BACHELORS DEGREES	MASTERS DEGREES	RESEARCH DOCTORATES
Biomedical Engineering	14.0501	78	7	4
Civil Engineering	14.0801	77	21	11
Computer Engineering	14.0901	63	24	N/A
Computer Science	11.0101	101	42	8
Construction Management	15.1001	33	35	N/A
Engineering Management	14.3501	N/A	97	N/A
Electrical Engineering	14.1001	135	31	15
Environmental Engineering	14.1401	10	4	N/A
Information Technology	11.0103	220	34	N/A
Materials Science Engineering	14.1801	N/A	7	3
Mechanical Engineering	14.1901	125	9	4
Telecommunications	14.1090	N/A	13	N/A
<b>Grand Total</b>		<b>842</b>	<b>324</b>	<b>44</b>

\*N/A indicates that degree is not offered.

**b. How are these degrees meeting the needs of the State of Florida?**

Based on what employers are willing to pay to FIU CEC graduates, these graduates are meeting critical needs in Florida business and industry. The average wage for full-time employed 2013-14 CEC bachelor's degree graduates (FETPIP data) was \$50,789. This compares with an overall SUS average bachelor's degree recipient wage of \$38,632 and an overall FIU average bachelor's degree recipient wage of \$41,112 (FETPIP 2013-14 data).

Florida and the US need an increased number of STEM graduates overall but in particular they need an increase in the number of STEM graduates from traditionally underrepresented minorities. African-Americans, American Indians, and Hispanics between 18 and 24 years account for 34% of the total U.S. population but earn only 12% of all undergraduate degrees in engineering. CEC is number 2 in the nation in graduating Hispanic engineering and computer science bachelor's degree recipients (second only to University of Puerto Rico) and is number 5 for graduating African American engineering and computer science bachelor's degree recipient

2.  Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc)

Explanation:

**a. Additional students served**

Although the request is based on students served, our response will be based on degree awarded. FIU is not focused on enrollment numbers but rather on degrees awarded. President Obama's Jobs and Competitiveness Council has called for graduating an additional 10,000 engineers per year. The Department of Defense, with cooperation from the Departments of Commerce, Education, and Labor projected the percentage increase in demand for specific engineering majors in the decade 2012 to 2022. These numbers were: Biomedical Engineering 27%, Civil Engineering 20%, Computer Engineering 7%, Computer Science 15%, Electrical Engineering



4%, Environmental Engineering 15%, Information Technology 22%, Mechanical Engineering 5%, Materials Science and Engineering 4.1%.

The FIUBeyondPossible2020 strategic plan calls for a 20% increase. In determining the growth of CEC and the demand for additional space, we looked to 2025 to achieve both the 20% overall strategic plan growth and the additional Department of Defense degree-specific percentage growth. These calculations lead to an overall growth in degrees of 353 (38%) with the growth by department of: Biomedical Engineering 41 (53%), Civil Engineering 52 (44%), Computer Engineering 25 (28%), Computer Science 43 (39%), Electrical Engineering 42 (25%), Environmental Engineering 4 (36%), Information Technology 114 (47%), and Mechanical Engineering 32 (26%).

Overall 78% of the projected growth in degrees awarded will occur in the disciplines expanding into the new building.

**b. Benefits and efficiencies created**

Engineering and other STEM fields are undergoing a radical pedagogical change in the way students interact in the classroom and in particular in the laboratory. The new design incorporates active learning and inverts the teaching sequence from acquiring information during a lecture to acquiring the information online prior to the lecture and using the face-to-face time with the instructor and classmates to applying that information to structured problems thereby turning information into knowledge and preparing the student for the collaborative problem solving they will be expected to demonstrate to future employers. This approach increases student engagement, enhances retention and reduces time to degree.

This new learning paradigm is conducted in entirely redesigned classrooms and laboratories. FIU has redesigned current space to create such classrooms and laboratories, but for redesigned classrooms and laboratories on the scale we need, it will be much less expensive to design and build in the new space required for the production of the new degrees.

CEC is planning an additional engineering curricular change by creating a Continuum of Design and Problem-based Education. Currently all engineering programs require a senior design project. Our new approach is to incorporate design and problem solving from the beginning of the student's career in engineering. The students will have greater engagement with engineering through learning how it can address real problems and will be better prepared to enter the workforce. Team projects that utilize problem-based learning offer advantages that go beyond pedagogy, to learning organizational skills, time management, and most importantly communication skills. This curricular change will require more laboratory space on a per degree produced basis than we currently have available.

The complexities of such an engineering curriculum will require greater mentoring. Some of the most effective mentoring occurs when postdoctoral fellows mentor graduate students who in turn mentor upper division undergraduate students who then mentor lower division undergraduate students. This chain of mentorship leads to greater understanding of engineering principles for those doing the mentoring and enhances learning for those being mentored. The design of the new building incorporates collaborative learning spaces where interaction between postdoctoral fellows, graduate students, and undergraduates is enhanced.

FIU is also one of 120 universities nationwide and one of four in Florida to commit to implementing an educational program responsive to the National Academy of Engineering Grand

Challenges for Engineering in the 21<sup>st</sup> Century. The pedagogical changes required to implement the National Academy of Engineering's educational plan will require the redesigned classrooms and laboratories envisioned for the new building.

**c. Graduation outcomes**

Engineering typically has a lower 6-yr graduation rate than non-STEM disciplines. The current 6-yr graduation rate is 42%. With the new facilities and the new pedagogical approaches these facilities provide, it is expected that the graduation rate will surpass 70% by 2025. The first year retention is currently 88% and this will surpass 90% by 2020.

3.  Amount of Additional Research Funding to be Obtained; Patents Awarded

Explanation:

**a. Additional research funding**

Based on SUS colleges of engineering data, the growth in degrees will required the addition of 109 faculty members. FIU has committed to this number by 2025. This represents a continuing additional investment of \$17 million and one-time start-up costs of \$42 million by 2025. These faculty along with current faculty will be expected, based on SUS average research expenditures per full-time, tenured/tenure-earning engineering faculty member, to have total annual research expenditures of \$48 million, an increase of \$30 million annually.

**b. Additional jobs created**

Each additional million dollars in research expenditures generates 18.2 jobs thus creating 550 high quality jobs in South Florida.

**c. Additional patents and start-up companies**

Based on national data, the projected increase in research expenditures will generate 27 additional patent applications per year and result in the establishment of one new company based on university intellectual property every other year.

4.  Project is in an Area of Strategic Emphasis as Determined by the Board of Governors' Gap Analysis or the Department of Economic Opportunity's National Occupational Forecast

Explanation:

All CEC degree programs are identified in the STEM area of Strategic Emphasis

5.  Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

Explanation:

Performance Funding Metrics:

*Percent bachelor's in graduate school or employed (>\$25,000)* will increase. For CEC graduates this value currently is 81% compared to FIU's overall 75%.

*Median bachelor's wages 1 yr after graduation* will increase. For CEC graduates the average wage is \$9,677 greater than the FIU average hence increases in CEC graduates will increase this university metric.

*Six-year graduation rate full- and part-time FTIC* will increase. CEC is currently (42%) below the FIU overall rate. Hence as CEC improves this metric it will have a major enhancement for the university rate.

*Bachelor's in areas of Strategic Emphasis (includes STEM)* will increase because all CEC degrees are STEM degrees.

*Graduates in areas of Strategic Emphasis (includes STEM)* will increase because all CEC degrees are STEM degrees.

*Bachelor's to minorities* will increase. CEC is a major producer of engineering degrees to underrepresented minorities in the US. The ethnic distribution of future degrees will match the diversity of Florida.

#### Preeminence Funding Metrics:

*Total annual research expenditures, including federal research expenditures, of \$200 million or more, as reported annually by the National Science Foundation (NSF)* will be reached sooner with the increase in external research funding through engineering expansion.

*Total annual research expenditures in diversified nonmedical sciences of \$150 million or more, based on data reported annually by the NSF* will be reached sooner with the increase in external research funding through engineering expansion.

*A top-100 university national ranking for research expenditures in five or more science, technology, engineering, or mathematics fields of study, as reported annually by the NSF* is already achieved, but will be easily sustained with the increase in external research through engineering expansion.

*One hundred or more total patents awarded by the United States Patent and Trademark Office for the most recent 3-year period* will be achieved with engineering expansion which in and of itself is projected to result in 27 additional patent applications per year.

*Four hundred or more doctoral degrees awarded annually, including professional doctoral degrees awarded in medical and health care disciplines, as reported in the Board of Governors Annual Accountability Report* will be easily surpassed with the addition of 109 more engineering faculty.

*Two hundred or more postdoctoral appointees annually, as reported in the TARU annual report* will be easily surpassed with the addition of 109 more engineering faculty.

#### 6. Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

##### Explanation:

Additional space within the College of Engineering and Computing will unequivocally increase business partnerships and lead to guaranteed internships and jobs for students.

Here are three case studies:

- 1) Senior design sponsorship by industry impacts job placement. Additional space within the Department of Biomedical Engineering (BME) will exponentially help grow our senior design program beyond the existing participation. BME actively engages corporate sponsorships for the Senior Design capstone projects. Students solicit partnerships with industry leaders to work with them in collaboration on a year-long project. Since the fall of 2012, 31 different companies, and some multiple times, have sponsored projects through our senior design course. These relationships have resulted in more than 31 students receiving internships or job placement after the completion of their undergraduate degree. In order to maintain our current level of success and expand our reach to even more companies, additional design space is needed. Many of the local

biomedical device start-up companies lack the space resources on-site that are required to accommodate our senior design teams. The space would also allow us to expand the design based curriculum to sophomore and junior years thereby preparing more students for industry internships.

- 2) New design and innovation spaces will allow for academic-industry collaboration with student participation, and also give students a place to showcase their work and host design challenges. This fall, Fiat Chrysler Automobiles (FCA) will visit the Engineering Center for an on-campus recruitment event. FCA has requested to conduct a design challenge that will serve as a working interview for the 150 participating students. Due to our limited space, we are unable to house the design challenge in one room. Instead, we are forced to break up the students into three classrooms, making it difficult for recruiters to evaluate student performance.
- 3) Expanded space within the college will allow corporations to conduct on-site interviews and hold focused presentations, therefore, extending recruitment opportunities for our students. For example, The School of Computing and Information Sciences at the MMC maximizes their current space in PG6 TechStation (acquired in part by Performance funding from the State) to foster relationships with corporate partners while providing their students with an array of internship and job opportunities. Each semester six companies come on campus to provide information sessions that serves as a recruitment tool for the companies, and at the same time, exposes our students to new possibilities in planning for their future careers. Big companies such as Ultimate Software, IBM, and UBER draw large crowds of students looking to learn more about the industry. Companies utilize the space to conduct on-campus interviews for internships and full-time positions. This service caters to the companies and helps to streamline their interview process, making it easier for them to hire SCIS students.

Space for student design and innovation is of utmost importance to our college. Added space will strengthen our partnerships with industry leaders and will better enable us to serve our students in their search for career opportunities.

7.  Project Improves the Use, either Operationally or Academically, of Existing Space

Explanation:

The new building will be built on the Modesto A. Maidique Campus (MMC). Education and research in Biomedical Engineering and areas of Electrical and Computer Engineering, Environmental Engineering and Mechanical and Materials Engineering that have strong ongoing and future collaborations with the colleges of Medicine, Nursing and Health Sciences, Public Health and Social Work, Arts and Sciences, and School of International and Public Affairs will occupy the new building. The Engineering Center is two miles north of the MMC. Greater propinquity will lead to operational and academic efficiencies, cross-fertilization and collaboration.

Program growth at the Engineering Center means that lack of space inhibits capitalizing on exciting areas of research that have received national recognition. These include: Accelerated Bridge Construction University Transportation Center (FIU lead; University of Nevada, Reno and Iowa State University, partners); NSF Engineering Research Center for Advanced Self-Powered Systems of Integrated Sensors and Technologies (ASSIST) (North Carolina State University, lead; FIU and three other universities, partners); and the Wall of Wind Facility designated as one of the nation's major "Experimental Facilities" under the NSF Natural Hazards Engineering Research Infrastructure

program. These programs and others at the Engineering Center will grow in the space freed up by the relocation of some research and education to the new building.

8.  Contribution of Local Funds Through Matching Grants, Property Donations, etc.

Explanation:

30% (\$45 million) of the building cost will be contributed through local funds.

9.  Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)

Explanation:

Other Pertinent Information not included above:

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## CIP-3 SHORT-TERM PROJECT EXPLANATION

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Remodeling/Renovation of Existing Educational Space  
Modesto Maidique Campus

AGENCY PRIORITY 5  
DATE BUILDING PROGRAM  
APPROVED N/A

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### PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

This request will accommodate renovations to space vacated in conjunction with construction of new facilities that require no significant changes in space categories. In addition, it will provide much needed renovation to existing classroom space in various buildings university wide.

In order to accommodate academic reorganizations and university strategic initiatives such as classroom, class lab and open lab refurbishments, media upgrades, renovations and/or remodeling in the following buildings will take place:

<u>Building Name</u>	<u>Building Gross Sq. Ft.</u>	<u>Year Occupied</u>	<u>% of Anticipated Renovations</u>
Charles E. Perry, Primera Casa	224,229	1972	80
Deuxieme Maison	140,807	1973	75
Viertes Haus	69,567	1975	33
Owa Ehan	117,306	1977	80
Steven & Dorothea Green Library	357,181	1975	10
Engineering Computer Science	112,754	1990	50
Chemistry & Physics	130,857	1991	20
Academic Health Center I	117,682	2002	25
Academic Health Center II	119,899	2005	50
Engineering Center	479,212	1984	40

The larger scale renovations intended under this scope include upgrades to life safety systems and replacements of HVAC, electrical and conveying systems that are not possible in smaller room-by-room-type renovations. A more comprehensive scope is crucial to compliance with Florida Statute 255.251 Energy Conservation and Sustainable Building Act including Sections 255.252 (3) and (4) regarding retrofitting buildings. FIU is a signatory to the ACUP Climate Commitment with a goal of meeting a minimum rating of USGBC LEED Silver.

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 5).

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### STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: **Modesto Maidique Campus**

COUNTY: **Miami-Dade County**

**5. REMODEL./RENOV. OF EXIST. EDUC. SPACE**

PROJECT BT No.:

CIP-3, B - PROJECT DESCRIPTION									
Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date		
Classroom		1.6	0	\$307.48	\$0	1/1/2019	6/1/2021		
Teaching Lab		1.6	0	\$328.02	\$0				
Study		1.6	0	\$310.76	\$0				
Office/Computer		1.6	0	\$320.60	\$0				
Other Assignable		1.6	0	\$293.41	\$0				
<u>Space Detail for Remodeling Projects</u>									
						BEFORE		AFTER	
						Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Totals	0		0		\$0				
*Apply Unit Cost to total GSF based on primary space type									
			NSF						
Remodeling/Renovation			150,000	\$293.41	\$44,011,295				
Total Construction - New & Rem./Renov.					\$44,011,295	Total		Total	

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS		ESTIMATED COSTS					
	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	Funded & In CIP
Basic Construction Cost							
1. a. Construction Cost (from above)		\$14,670,432	\$14,670,431	\$14,670,432			\$44,011,295
Add'l/Extraordinary Const. Costs							
b. Environmental Impacts/Mitigation							
c. Site Preparation							\$0
d. Landscape/Irrigation							\$0
e. Plaza/Walks							\$0
f. Roadway Improvements							\$0
g. Parking ___ spaces							\$0
h. Telecommunication							\$0
i. Electrical Service							\$0
j. Water Distribution							\$0
k. Sanitary Sewer System							\$0
l. Chilled Water System							\$0
m. Storm Water System							\$0
n. Energy Efficient Equipment							\$0
Total Construction Costs	\$0	\$14,670,432	\$14,670,431	\$14,670,432	\$0	\$0	\$44,011,295
2. Other Project Costs							
a. Land/existing facility acquisition							
b. Professional Fees		\$1,467,043	\$1,467,043	\$1,467,044			\$4,401,130
CM Fees		\$146,704	\$146,705	\$146,704			\$440,113
c. Fire Marshall Fees		\$36,676	\$36,676	\$36,676			\$110,028
d. Inspection Services		\$66,667	\$66,666	\$66,667			\$200,000
e. Insurance Consultant							
f. Surveys & Tests		\$83,333	\$83,333	\$83,334			\$250,000
g. Permit/Impact/Environmental Fees		\$50,000	\$50,000	\$50,000			\$150,000
h. Artwork (not applicable)							
i. Moveable Furnishings & Equipment		\$959,145	\$959,146	\$959,143			\$2,877,434
j. Project Contingency		\$950,000	\$950,000	\$950,000			\$2,850,000
k. Construction Service Reimbursement		\$570,000	\$570,000	\$570,000			\$1,710,000
Total - Other Project Costs	\$0	\$4,329,568	\$4,329,569	\$4,329,567	\$0	\$0	\$12,988,704
ALL COSTS 1+2	\$0	\$19,000,000	\$19,000,000	\$19,000,000	\$0	\$0	\$57,000,000

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
TOTAL			TOTAL			\$57,000,000

**CIP-3, D**  
**Higher Educational Facilities**  
**Return on Investment**

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida International University

Project: Remodel./Renov. Of Existing Educ. Space - MMC

Total Project Cost: \$ 57.0 M

Previous Funding (State): n/a

Current Request: \$ 19.0 M

STEM (Yes or No): YES

Contact Person (Name, Position, Office and Cell Phone No., Email): John M. Cal, AVP, Facilities Management, O: 305-348-4001, C: 305-323-1488, e-mail: [jcal@fiu.edu](mailto:jcal@fiu.edu)

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Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1.  Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc.)

Explanation:

2.  Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc.)

Explanation:

3.  Amount of Additional Research Funding to be Obtained; Patents Awarded

Explanation:

4.  Project is in an Area of Strategic Emphasis as Determined by the Board of Governors' Gap Analysis or the Department of Economic Opportunity's National Occupational Forecast

Explanation:

5.  Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

Explanation:



6.  Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

Explanation:

7.  Project Improves the Use, either Operationally or Academically, of Existing Space

Explanation: These projects include multiple renovation and remodeling needed to adapt classrooms, laboratories, support spaces and office areas to meet current and projected requirements.

8.  Contribution of Local Funds Through Matching Grants, Property Donations, etc.

Explanation:

9.  Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)

Explanation: These projects include major renovations of various buildings at the main campus including 5 that are more than 40-years old. The renovations will result in significantly better indoor environments, lower energy usage and reduced maintenance costs.

Other Pertinent Information not included above:

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## CIP-3 SHORT-TERM PROJECT EXPLANATION

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Remodeling/Renovation of Existing Educational Space  
Biscayne Bay Campus

AGENCY PRIORITY 6  
DATE BUILDING PROGRAM  
APPROVED N/A

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### PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

This request will accommodate renovations to space vacated in conjunction with construction of new facilities that require no significant changes in space categories. In addition, it will provide much needed renovation to existing classroom space in various buildings university wide.

In order to accommodate academic reorganizations and university strategic initiatives such as classroom, class lab and open lab refurbishments, media upgrades, renovations and/or remodeling in the following buildings will take place:

<u>Building Name</u>	<u>Building Gross Sq. Ft.</u>	<u>Year Occupied</u>	<u>% of Anticipated Renovations</u>
Hospitality Management	96,863	20	20
Academic One	145,911	10	10
Academic Two	101,800	20	20
The Library	100,087	50	50

The larger scale renovations intended under this scope include upgrades to life safety systems and replacements of HVAC, electrical and conveying systems that are not possible in smaller room-by-room-type renovations. A more comprehensive scope is crucial to compliance with Florida Statute 255.251 Energy Conservation and Sustainable Building Act including Sections 255.252 (3) and (4) regarding retrofitting buildings. FIU is a signatory to the ACUP Climate Commitment with a goal of meeting a minimum rating of USGBC LEED Silver.

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 10).

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### STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

Page 1 of 1

GEOGRAPHIC LOCATION: **Biscayne Bay Campus, North Miami**

COUNTY: **Miami-Dade County**

**6. REMODEL./RENOV STUDENT ACADEMIC SUPPORT BBC**

PROJECT BT No.:

CIP-3, B - PROJECT DESCRIPTION								
Facility/Space	Net Area	Net to Gross	Gross Area	Unit Cost	Construction	Assumed	Occupancy	
Type	(NASF)	Conversion	(GSF)	(Cost/GSF)*	Cost	Bid Date	Date	
Classroom		1.6	0	\$307.48	\$0	1/1/2019	6/1/2021	
Teaching Lab		1.6	0	\$328.02	\$0			
Study		1.6	0	\$310.76	\$0			
Office/Computer		1.6	0	\$320.60	\$0			
Space Detail for Remodeling Projects								
					BEFORE		AFTER	
					Space	Net Area	Space	Net Area
					Type	(NASF)	Type	(NASF)
Totals		<u>0</u>	<u>0</u>		<u>\$0</u>			
*Apply Unit Cost to total GSF based on primary space type								
			ACC II /2					
Remodeling/Renovation			<u>138,000</u>	<u>\$235.46</u>	<u>\$32,493,074</u>			
Total Construction - New & Rem./Renov.					<u>\$32,493,074</u>	Total	Total	

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS		ESTIMATED COSTS					
	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	Funded & In CIP
Basic Construction Cost							
1. a. Construction Cost (from above)		<b>\$10,831,025</b>	<b>\$10,831,025</b>	<b>\$10,831,024</b>			<b>\$32,493,074</b>
Add'l/Extraordinary Const. Costs							
b.Environmental Impacts/Mitigation							
c.Site Preparation							\$0
d.Landscape/Irrigation							\$0
e.Plaza/Walks							\$0
f.Roadway Improvements							\$0
g.Parking ___ spaces							\$0
h.Telecommunication							\$0
i.Electrical Service							\$0
j.Water Distribution							\$0
k.Sanitary Sewer System							\$0
l.Chilled Water System							\$0
m.Storm Water System							\$0
n.Energy Efficient Equipment							\$0
Total Construction Costs	\$0	<b>\$10,831,025</b>	<b>\$10,831,025</b>	<b>\$10,831,024</b>	\$0	\$0	<b>\$32,493,074</b>
2. Other Project Costs							
a.Land/existing facility acquisition							
b.Professional Fees		\$974,792	\$974,792	\$974,793			\$2,924,377
CM Fees		\$108,310	\$108,310	\$108,311			\$324,931
c.Fire Marshall Fees		\$27,078	\$27,077	\$27,078			\$81,233
d.Inspection Services		\$77,498	\$77,498	\$77,497			\$232,493
e.Insurance Consultant							
f.Surveys & Tests		\$83,333	\$83,333	\$83,334			\$250,000
g.Permit/Impact/Environmental Fees		\$50,000	\$50,000	\$50,000			\$150,000
h.Artwork (not applicable)							\$0
i.Moveable Furnishings & Equipment		\$885,392	\$885,392	\$885,391			\$2,656,175
j.Project Contingency		\$542,572	\$542,573	\$542,573			\$1,627,718
k.Construction Service Reimbursement		\$420,000	\$420,000	\$420,000			\$1,260,000
Total - Other Project Costs	\$0	<b>\$3,168,975</b>	<b>\$3,168,975</b>	<b>\$3,168,976</b>	\$0	\$0	<b>\$9,506,926</b>
ALL COSTS 1+2	\$0	<b>\$14,000,000</b>	<b>\$14,000,000</b>	<b>\$14,000,000</b>	\$0	\$0	<b>\$42,000,000</b>

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
TOTAL			TOTAL			<u>\$42,000,000</u>

**CIP-3, D**  
**Higher Educational Facilities**  
**Return on Investment**

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida International University

Project: Remodel./Renov. Of Existing Educ. Space - BBC

Total Project Cost: \$ 42.0 M

Previous Funding (State): n/a

Current Request: \$ 14.0 M

STEM (Yes or No): YES

Contact Person (Name, Position, Office and Cell Phone No., Email): John Cal, Associate Vice President, Facilities Management, O: 305-348-4001, C: 305-323-1488, e-mail: [jcal@fiu.edu](mailto:jcal@fiu.edu)

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Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1.  Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc.)

Explanation:

2.  Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc.)

Explanation:

3.  Amount of Additional Research Funding to be Obtained; Patents Awarded

Explanation:

4.  Project is in an Area of Strategic Emphasis as Determined by the Board of Governors' Gap Analysis or the Department of Economic Opportunity's National Occupational Forecast

Explanation:

5.  Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

Explanation:

6.  Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

Explanation:

7.  Project Improves the Use, either Operationally or Academically, of Existing Space

Explanation: These projects include multiple renovations and remodelings needed to adapt classrooms, laboratories, support spaces and office areas to meet current and projected requirements.

8.  Contribution of Local Funds Through Matching Grants, Property Donations, etc.

Explanation:

9.  Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)

Explanation: These projects include significant renovations of various buildings at the Biscayne Bay Campus. The renovations will result in better indoor environment, lower energy usage and reduced maintenance costs.

Other Pertinent Information not included above:

**CIP-3 SHORT-TERM PROJECT EXPLANATION**

CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 2

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Green Library Addition  
Modesto Maidique Campus

AGENCY PRIORITY 7  
DATE BUILDING PROGRAM  
APPROVED N/A

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**PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES**

This project includes expansion of the Green Library, by building an addition to the existing structure. The addition will provide 88,000 square feet of space to be allocated for student study spaces, open group collaborative spaces, group study rooms, and designated graduate student study areas.

Standards of the Association for College and Research Libraries recommend allocating seating for 20% of FTE enrollment. Currently we have seating for approximately 1300 students, roughly 4% of the recommended allocation. This addition will add much needed study space.

The project budget includes extraordinary costs of upgrading and extending existing central campus infrastructure to the project site.

In recognition of the University's commitment to sustainability practices this project will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. The Project shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 6).

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**STATISTICAL JUSTIFICATION**

The Statistical Justification portion of the CIP-3 is not required this year.



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## CIP-3 SHORT-TERM PROJECT EXPLANATION

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Academic Health Center Study Complex  
Modesto Maidique Campus

AGENCY PRIORITY 8  
DATE BUILDING PROGRAM  
APPROVED N/A

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### PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

The purpose of this project is to consolidate study environments for three colleges, the Herbert Wertheim College of Medicine, the Nicole Wertheim College of Nursing and Health Sciences and the Robert Stempel College of Public Health & Social Work into one facility - consistent with the spirit of an Academic Health Center.

A variety of learning spaces are necessary to provide casual, small group learning and quiet individual study environments. The proposed program anticipates informal gathering environments, open collaborative spaces, quiet reading rooms, small group study rooms, a student lounge with vending area, as well as other support functions. It is anticipated that the facility will have the capacity to serve a population of 560 upper division students from the three colleges. In addition, the program calls for administrative offices for the Academic Health Center.

A beneficial byproduct of this project will be to support the growth in undergraduate enrollment in the university as a whole. Upon its completion, the third floor dedicated HWCOM Library spaces (approximately 6,500 net square feet) will be released back to the Green Library.

The project budget includes extraordinary costs required to integrate new structure and building systems with the two adjacent existing buildings, AHC1 & AHC2.

In recognition of the University's commitment to sustainability practices this project will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. The Project shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 16).

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### STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.





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**CIP-3 SHORT-TERM PROJECT EXPLANATION**

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**9. SCIENCE LABORATORY COMPLEX - MMC**  
CIP-3 SHORT-TERM PROJECT EXPLANATION

**Modesto A. Maidique Campus**  
Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Science Laboratory Complex  
Modesto Maidique Campus

AGENCY PRIORITY 9  
DATE BUILDING PROGRAM  
APPROVED N/A

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**PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES**

To support current and expanding science programs, Florida International University is in need of considerable science specific classrooms, teaching laboratories and offices. Existing facilities are severely inadequate to meet University needs.

This facility will provide critically needed classrooms, laboratories and offices to address existing shortfalls and to meet educational and research needs of the University. The Science Laboratory Complex is an essential element in the FIU/State University System Strategic Plan to meet statewide professional and workforce needs in the science area.

The project budget includes extraordinary costs of upgrading and extending existing central campus infrastructure to the project site.

In recognition of the University's commitment to sustainability practices this project will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. The Project shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 9).

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**STATISTICAL JUSTIFICATION**

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

Page 1 of 1

GEOGRAPHIC LOCATION: **Modesto Maidique Campus**

COUNTY: **Miami-Dade County**

**9. SCIENCE LABORATORY COMPLEX**

PROJECT BT No.:

**CIP-3, B - PROJECT DESCRIPTION**

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
<b>Classrooms</b>	<b>7,500</b>	<b>1.6</b>	<b>12,000</b>	<b>\$324.89</b>	<b>\$3,898,665</b>	1/1/2020	6/1/2021
<b>Teaching Lab</b>	<b>4,000</b>	<b>1.6</b>	<b>6,400</b>	<b>\$346.59</b>	<b>\$2,218,167</b>		
<b>Study</b>	<b>18,000</b>	<b>1.6</b>	<b>28,800</b>	<b>\$328.35</b>	<b>\$9,456,341</b>		
<b>Office/ Computer</b>	<b>20,000</b>	<b>1.6</b>	<b>32,000</b>	<b>\$338.75</b>	<b>\$10,839,973</b>		
<b>Instructional Media</b>	<b>2,000</b>	<b>1.6</b>	<b>3,200</b>	<b>\$244.01</b>	<b>\$780,836</b>		
<b>Research Lab</b>	<b>28,000</b>	<b>1.6</b>	<b>44,800</b>	<b>\$413.85</b>	<b>\$18,540,398</b>		
<u>Space Detail for Remodeling Projects</u>							
						<b>BEFORE</b>	<b>AFTER</b>
						Space Type	Net Area (NASF)
						Space Type	Net Area (NASF)
Totals	<u>79,500</u>		<u>127,200</u>		<u>\$45,734,379</u>		
*Apply Unit Cost to total GSF based on primary space type							
Remodeling/Renovation							
Total Construction - New & Rem./Renov.					<b>\$45,734,380</b>	Total	Total

**CIP-3, C - SCHEDULE OF PROJECT COMPONENTS**

**ESTIMATED COSTS**

	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	Funded & In CIP
<b>Basic Construction Cost</b>							
1. a. Construction Cost (from above)				<b>\$11,000,000</b>	<b>\$14,000,000</b>	<b>\$20,734,380</b>	<b>\$45,734,380</b>
Add'l/Extraordinary Const. Costs							
b. Environmental Impacts/Mitigation							
c. Site Preparation					<b>\$300,000</b>		<b>\$300,000</b>
d. Landscape/Irrigation					<b>\$500,000</b>		<b>\$500,000</b>
e. Plaza/Walks					<b>\$250,000</b>		<b>\$250,000</b>
f. Roadway Improvements					<b>\$250,000</b>		<b>\$250,000</b>
g. Parking ___ spaces					<b>\$300,000</b>		<b>\$300,000</b>
h. Telecommunication					<b>\$450,000</b>		<b>\$450,000</b>
i. Electrical Service					<b>\$100,000</b>		<b>\$100,000</b>
j. Water Distribution					<b>\$100,000</b>		<b>\$100,000</b>
k. Sanitary Sewer System					<b>\$200,000</b>		<b>\$200,000</b>
l. Chilled Water System					<b>\$350,000</b>		<b>\$350,000</b>
m. Storm Water System					<b>\$100,000</b>		<b>\$100,000</b>
n. Energy Efficient Equipment					<b>\$25,000</b>		<b>\$25,000</b>
<b>Total Construction Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,000,000</b>	<b>\$16,925,000</b>	<b>\$20,734,380</b>	<b>\$48,659,380</b>
<b>2. Other Project Costs</b>							
a. Land/existing facility acquisition							
b. Professional Fees				<b>\$2,000,000</b>	<b>\$750,000</b>	<b>\$1,142,750</b>	<b>\$3,892,750</b>
CM Fees				<b>\$486,594</b>		<b>\$0</b>	<b>\$486,594</b>
c. Fire Marshall Fees				<b>\$121,648</b>		<b>\$0</b>	<b>\$121,648</b>
d. Inspection Services					<b>\$125,000</b>	<b>\$275,000</b>	<b>\$400,000</b>
e. Insurance Consultant					<b>\$24,330</b>	<b>\$24,330</b>	<b>\$48,659</b>
f. Surveys & Tests				<b>\$50,000</b>	<b>\$50,000</b>	<b>\$175,000</b>	<b>\$275,000</b>
g. Permit/Impact/Environmental Fees				<b>\$40,000</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$80,000</b>
h. Artwork						<b>\$121,648</b>	<b>\$121,648</b>
i. Moveable Furnishings & Equipment						<b>\$9,902,686</b>	<b>\$9,902,686</b>
j. Project Contingency				<b>\$840,049</b>	<b>\$773,961</b>	<b>\$1,230,624</b>	<b>\$2,844,634</b>
k. Construction Service Reimbursement				<b>\$611,709</b>	<b>\$611,709</b>	<b>\$843,582</b>	<b>\$2,067,000</b>
<b>Total - Other Project Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,150,000</b>	<b>\$2,375,000</b>	<b>\$13,715,620</b>	<b>\$20,240,620</b>
<b>ALL COSTS 1+2</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,150,000</b>	<b>\$19,300,000</b>	<b>\$34,450,000</b>	<b>\$68,900,000</b>

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
TOTAL		<u>\$0</u>	TOTAL		<u>\$68,900,000</u>	

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## CIP-3 SHORT-TERM PROJECT EXPLANATION

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Classroom/Office, Academic III  
Biscayne Bay Campus

AGENCY PRIORITY 10  
DATE BUILDING PROGRAM  
APPROVED N/A

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### PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

Current facilities at Biscayne Bay Campus are not sufficient to meet existing space needs. Growing enrollments and expanding programs have caused additional pressure on the available classroom, laboratory, and office inventory. This campus is home to various administrative departments, centers, institutes, and schools, including the School of Hospitality Management and Journalism & Mass Communication. In addition, other schools and colleges such as Arts & Sciences, Business Administration, Education, and Health Sciences and our School of Environment and Society have departmental offices and full academic programs at Biscayne Bay. Severe space shortages are also impacting other administrative support units such as Admissions, Registration & Records. Enrollment at the BBC is projected to continue grow over the next five years.

This request will provide critically needed space for the existing programs at Biscayne Bay Campus and enable that campus to keep up with growing enrollment and student program requirements. The provision of courses at BBC is an essential element of the University's strategy to increase retention and graduation rates. Additionally, there is a specific concern and priority at BBC concerning increasing accreditation requirements and resulting educational space needs for signature programs such as Journalism & Mass Communication.

The project budget includes extraordinary costs of upgrading and extending existing central campus infrastructure to the project site.

In recognition of the University's commitment to sustainability practices this project will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. The Project shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 7).

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### STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.



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**CIP-3 SHORT-TERM PROJECT EXPLANATION**

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Remodeling/Renovation of Academic Data Center  
Modesto Maidique Campus

AGENCY PRIORITY 11  
DATE BUILDING PROGRAM  
APPROVED N/A

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**PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES**

This request will accommodate renovation and remodeling of space vacated in conjunction with construction of new facilities that require no significant changes in space categories. In addition, it will provide much needed renovation to existing data room spaces in various buildings university wide.

The current Data Center is outdated and at capacity. This proposal for a new Data Center will offer several key benefits which include increased data center space to implement new technologies that will improve efficiencies. This project will also allow the University to save money on cooling by having an area to consolidate University servers in one location.

The project budget includes extraordinary costs of upgrading and extending existing central campus fiber optic backbone infrastructure to the project site.

In recognition of the University's commitment to sustainability practices remodeling/renovation projects will be designed and built with the goal of meeting the USGBC's LEED "Silver" certification rating level at a minimum. All projects shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 11).

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**STATISTICAL JUSTIFICATION**

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: **Modesto Maidique Campus**

COUNTY: **Miami-Dade County**

**11. REMODEL./RENOV. ACADEMIC DATA CENTER**

PROJECT BT No.:

CIP-3, B - PROJECT DESCRIPTION									
Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date		
Classroom		1.6	0	\$324.89	\$0	1/1/2021	6/1/2022		
Teaching Lab		1.6	0	\$346.59	\$0				
Study		1.6	0	\$328.35	\$0				
Office/Computer		1.6	0	\$338.75	\$0				
Space Detail for Remodeling Projects									
						BEFORE		AFTER	
						Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Totals	<u>0</u>		<u>0</u>		<u>\$0</u>				
*Apply Unit Cost to total GSF based on primary space type									
Remodeling/Renovation			<u>24,000</u>	<u>\$475.00</u>	<u>\$11,400,000</u>				
Total Construction - New & Rem./Renov.					<u>\$11,400,000</u>	Total		Total	

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS		ESTIMATED COSTS						
	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	Funded & In CIP	
Basic Construction Cost								
1. a. Construction Cost (from above)					\$8,970,800	\$2,429,200	\$11,400,000	
Add'l/Extraordinary Const. Costs								
b. Environmental Impacts/Mitigation								
c. Site Preparation							\$0	
d. Landscape/Irrigation							\$0	
e. Plaza/Walks							\$0	
f. Roadway Improvements							\$0	
g. Parking ___ spaces							\$0	
h. Telecommunication					\$1,500,000		\$1,500,000	
i. Electrical Service							\$0	
j. Water Distribution							\$0	
k. Sanitary Sewer System							\$0	
l. Chilled Water System							\$0	
m. Storm Water System							\$0	
n. Energy Efficient Equipment					\$500,000		\$500,000	
Total Construction Costs	\$0	\$0	\$0	\$0	\$10,970,800	\$2,429,200	\$13,400,000	
2. Other Project Costs								
a. Land/existing facility acquisition								
b. Professional Fees					\$1,000,000	\$340,000	\$1,340,000	
CM Fees					\$114,000	\$20,000	\$134,000	
c. Fire Marshall Fees					\$28,500	\$5,000	\$33,500	
d. Inspection Services					\$30,000	\$120,000	\$150,000	
e. Insurance Consultant					\$6,700	\$6,700	\$13,400	
f. Surveys & Tests					\$50,000	\$30,000	\$80,000	
g. Permit/Impact/Environmental Fees					\$25,000	\$25,000	\$50,000	
h. Artwork (not applicable)						\$0	\$0	
i. Moveable Furnishings & Equipment						\$3,505,000	\$3,505,000	
j. Project Contingency					\$250,000	\$766,625	\$1,016,625	
k. Construction Service Reimbursement					\$300,000	\$309,975	\$609,975	
Total - Other Project Costs	\$0	\$0	\$0	\$0	\$1,804,200	\$5,128,300	\$6,932,500	
ALL COSTS 1+2	\$0	\$0	\$0	\$0	\$12,775,000	\$7,557,500	\$20,332,500	

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
TOTAL			TOTAL			<u>\$20,332,500</u>

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**CIP-3 SHORT-TERM PROJECT EXPLANATION**

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Faculty and Staff Training and Development Center  
Modesto Maidique Campus

AGENCY PRIORITY 12  
DATE BUILDING PROGRAM  
APPROVED N/A

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**PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES**

This new facility will correct major space problems by providing sufficient space for current and future training programs as well as storage for equipment and materials and will allow for expansion of training programs to meet the growing needs of the University. Additionally, it will also provide office space for new as well as existing Human Resources and Equal Opportunity Programs personnel. Moving all staff to the same location would increase operations efficiency and promote coordination among the related units.

The project budget includes extraordinary costs of upgrading and extending existing central campus infrastructure to the project site.

In recognition of the University's commitment to sustainability practices remodeling/renovation projects will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. All projects shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 13).

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**STATISTICAL JUSTIFICATION**

The Statistical Justification portion of the CIP-3 is not required this year.



**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: **Modesto Maidique Campus**

COUNTY: **Miami-Dade County**

**12. FACULTY AND STAFF TRAINING AND DEVELOPMENT CENTER**

PROJECT BT No.:

**CIP-3, B - PROJECT DESCRIPTION**

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date		
Office /Computers	15,000	1.6	24,000	\$338.75	\$8,129,980	1/1/2021	6/1/2022		
Campus Support Services	12,000	1.6	19,200	\$310.02	\$5,952,320				
Other Assignable	850	1.6	1,360	\$310.02	\$421,623				
Space Detail for Remodeling Projects									
						BEFORE		AFTER	
						Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Totals	<u>27,850</u>		<u>44,560</u>		<u>\$14,503,922</u>				
*Apply Unit Cost to total GSF based on primary space type									
Remodeling/Renovation									
Total Construction - New & Rem./Renov.					<u>\$14,503,922</u>	Total		Total	

**CIP-3, C - SCHEDULE OF PROJECT COMPONENTS**

	ESTIMATED COSTS						Funded & In CIP
	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	
Basic Construction Cost							
1. a. Construction Cost (from above)							\$14,503,922
Add'l/Extraordinary Const. Costs							
b. Environmental Impacts/Mitigation							
c. Site Preparation						\$200,000	\$200,000
d. Landscape/Irrigation						\$300,000	\$300,000
e. Plaza/Walks						\$100,000	\$100,000
f. Roadway Improvements						\$200,000	\$200,000
g. Parking ___ spaces						\$250,000	\$250,000
h. Telecommunication						\$350,000	\$350,000
i. Electrical Service						\$100,000	\$100,000
j. Water Distribution						\$100,000	\$100,000
k. Sanitary Sewer System						\$100,000	\$100,000
l. Chilled Water System						\$150,000	\$150,000
m. Storm Water System						\$100,000	\$100,000
n. Energy Efficient Equipment						\$25,000	\$25,000
Total Construction Costs	\$0	\$0	\$0	\$0	\$0	\$16,478,922	\$16,478,922
2. Other Project Costs							
a. Land/existing facility acquisition							
b. Professional Fees					\$831,308	\$487,006	\$1,318,314
CM Fees					\$164,789		\$164,789
c. Fire Marshall Fees					\$41,197		\$41,197
d. Inspection Services						\$200,000	\$200,000
e. Insurance Consultant					\$8,239	\$8,239	\$16,479
f. Surveys & Tests					\$40,000	\$40,000	\$80,000
g. Permit/Impact/Environmental Fees					\$30,000	\$70,000	\$100,000
h. Artwork						\$82,395	\$82,395
i. Moveable Furnishings & Equipment						\$2,401,904	\$2,401,904
j. Project Contingency					\$25,400	\$1,109,600	\$1,135,000
k. Construction Service Reimbursement					\$109,066	\$571,934	\$681,001
Total - Other Project Costs	\$0	\$0	\$0	\$0	\$1,250,000	\$4,971,078	\$6,221,078
ALL COSTS 1+2	\$0	\$0	\$0	\$0	\$1,250,000	\$21,450,000	\$22,700,000

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
TOTAL			TOTAL			<u>\$0</u>
						<u>\$22,700,000</u>

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**CIP-3 SHORT-TERM PROJECT EXPLANATION**

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Honors College  
Modesto Maidique Campus

AGENCY PRIORITY 13  
DATE BUILDING PROGRAM  
APPROVED N/A

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**PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES**

This project is meant both to satisfy university space needs and to facilitate the enrollment growth and programmatic development of Honors consistent with our mandate to become “the centerpiece of undergraduate educational excellence” at Florida International University.

The main components of the facility will include space for: a reception area/visitor’s lounge, an auditorium for occupancy of 375, an Information Technology Center, student support services, private study rooms, a student communal area, offices for faculty and administration, conference room to accommodate 25 users, and archives. Space dedicated to instruction will include 8 seminar rooms that each can accommodate 25 students. Architecturally, the building will be distinguished as a place of educational excellence and achievement by recognition of some of the great contributors to different civilizations and to the acquisition of knowledge.

The project budget includes extraordinary costs of upgrading and extending existing central campus infrastructure to the project site.

In recognition of the University's commitment to sustainability practices remodeling/renovation projects will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. All projects shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 14).

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**STATISTICAL JUSTIFICATION**

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: **Modesto Maidique Campus**  
**13. HONORS COLLEGE**

COUNTY: **Miami-Dade County**  
 PROJECT BT No.:

**CIP-3, B - PROJECT DESCRIPTION**

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Classroom	24,000	1.6	38,400	\$324.89	\$12,475,727	1/1/2021	6/1/2022
Auditorium	8,000	1.6	12,800	\$322.99	\$4,134,245		
Research Lab		1.6	0	\$413.85	\$0		
Office	11,400	1.6	18,240	\$338.75	\$6,178,785		
Other Assignable	8,600	1.6	13,760	\$310.02	\$4,265,829		

Space Detail for Remodeling Projects

	BEFORE		AFTER	
	Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Totals		<u>52,000</u>		<u>83,200</u>
*Apply Unit Cost to total GSF based on primary space type				
Remodeling/Renovation				
Total Construction - New & Rem./Renov.				<u>\$27,054,586</u>

**CIP-3, C - SCHEDULE OF PROJECT COMPONENTS**

	ESTIMATED COSTS						Funded & In CIP
	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	
Basic Construction Cost							
1. a. Construction Cost (from above)							\$27,054,586
Add'l/Extraordinary Const. Costs							
b. Environmental Impacts/Mitigation							
c. Site Preparation						\$200,000	\$200,000
d. Landscape/Irrigation						\$400,000	\$400,000
e. Plaza/Walks						\$100,000	\$100,000
f. Roadway Improvements						\$200,000	\$200,000
g. Parking ___ spaces						\$250,000	\$250,000
h. Telecommunication						\$350,000	\$350,000
i. Electrical Service						\$100,000	\$100,000
j. Water Distribution						\$100,000	\$100,000
k. Sanitary Sewer System						\$100,000	\$100,000
l. Chilled Water System						\$150,000	\$150,000
m. Storm Water System						\$100,000	\$100,000
n. Energy Efficient Equipment						\$25,000	\$25,000
Total Construction Costs	\$0	\$0	\$0	\$0	\$0	\$29,129,586	\$29,129,586
2. Other Project Costs							
a. Land/existing facility acquisition							
b. Professional Fees					\$1,192,435	\$1,137,932	\$2,330,367
CM Fees					\$0	\$291,296	\$291,296
c. Fire Marshall Fees					\$0	\$72,824	\$72,824
d. Inspection Services					\$100,000	\$100,000	\$200,000
e. Insurance Consultant					\$14,565	\$14,565	\$29,130
f. Surveys & Tests					\$80,000		\$80,000
g. Permit/Impact/Environmental Fees					\$30,000	\$70,000	\$100,000
h. Artwork						\$145,648	\$145,648
i. Moveable Furnishings & Equipment						\$4,272,912	\$4,272,912
j. Project Contingency					\$282,945	\$1,622,793	\$1,905,738
k. Construction Service Reimbursement					\$300,055	\$892,445	\$1,192,500
Total - Other Project Costs	\$0	\$0	\$0	\$0	\$2,000,000	\$8,620,414	\$10,620,414
ALL COSTS 1+2	\$0	\$0	\$0	\$0	\$2,000,000	\$37,750,000	\$39,750,000

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
			<b>PECO</b>			
TOTAL			TOTAL			<u>\$0</u>
						<u>\$39,750,000</u>

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## CIP-3 SHORT-TERM PROJECT EXPLANATION

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CIP-3, A – NARRATIVE DESCRIPTION

Page 1 of 1

AGENCY: Florida International University  
BUDGET ENTITY: State University System  
PROJECT TITLE: Humanities Center  
Modesto Maidique Campus

AGENCY PRIORITY 14  
DATE BUILDING PROGRAM  
APPROVED N/A

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### PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

This project includes a new Humanities Center for the College of Arts and Sciences. The College of Arts and Sciences is experiencing continued growth and current facilities are not adequate to meet current or projected needs. The College of Arts and Sciences embraces nearly half the student body at FIU and awards close to 40% of all degrees. Arts & Sciences touches almost every student at some point in their education and offers 72 degree programs.

The Humanities Center will be an integral part of the College. The provision of adequate facilities for these core classes is integral to meeting current needs and is an essential element of the University's strategy to retain students and increase graduation rates. The Center will house a range of programs including English, Modern Languages, History, Linguistics, Asian Studies and Philosophy and will work in concert with other programs in the College.

The project budget includes extraordinary costs of upgrading and extending existing central campus infrastructure to the project site.

In recognition of the University's commitment to sustainability practices remodeling/renovation projects will be designed and built with the goal of meeting the USGBC's LEED-NC "Silver" certification rating level at a minimum. All projects shall comply with Florida Statutes 255.251 Energy Conservation and Sustainable Buildings Act including 255.252 (3) and (4).

This project is included in the "2015-2020 Educational Plant Survey" dated 1/20/2016, recommendation 15).

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### STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

**STATE UNIVERSITY SYSTEM**

CIP-3 SHORT TERM PROJECT EXPLANATION

Page 1 of 1

GEOGRAPHIC LOCATION: **Modesto Maidique Campus**  
**14. HUMANITIES CENTER (S.T.E.A.M.)**

COUNTY: **Miami-Dade County**  
 PROJECT BT No.:

**CIP-3, B - PROJECT DESCRIPTION**

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Classroom	5,500	1.6	8,800	\$324.89	\$2,859,021	1/1/2021	6/1/2022
Teaching Lab	15,000	1.6	24,000	\$346.59	\$8,318,126		
Study	4,000	1.6	6,400	\$328.35	\$2,101,409		
Research Lab	5,000	1.6	8,000	\$413.85	\$3,310,785		
Office/Computer	15,500	1.6	24,800	\$338.75	\$8,400,979		
Other Assignable	5,000	1.6	8,000	\$310.02	\$2,480,133		

  

Space Detail for Remodeling Projects				
	BEFORE		AFTER	
	Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Totals		<u>50,000</u>		<u>80,000</u>
*Apply Unit Cost to total GSF based on primary space type				
Remodeling/Renovation				
Total Construction - New & Rem./Renov.				<u>\$27,470,454</u>

**CIP-3, C - SCHEDULE OF PROJECT COMPONENTS**

**ESTIMATED COSTS**

	Funded to Date	2017-18	2018-19	2019-20	2020-21	2021-22	Funded & In CIP
Basic Construction Cost					\$17,499,115	\$9,971,339	\$27,470,454
1. a. Construction Cost (from above)							
Add'l/Extraordinary Const. Costs							
b. Environmental Impacts/Mitigation							\$0
c. Site Preparation					\$500,000		\$500,000
d. Landscape/Irrigation						\$200,000	\$200,000
e. Plaza/Walks					\$150,000		\$150,000
f. Roadway Improvements							\$0
g. Parking ___ spaces					\$500,000		\$500,000
h. Telecommunication					\$100,000		\$100,000
i. Electrical Service					\$300,000		\$300,000
j. Water Distribution					\$200,000		\$200,000
k. Sanitary Sewer System					\$350,000		\$350,000
l. Chilled Water System					\$100,000		\$100,000
m. Storm Water System					\$300,000		\$300,000
n. Energy Efficient Equipment							\$0
Total Construction Costs	\$0	\$0	\$0	\$0	\$19,999,115	\$10,171,339	\$30,170,454
2. Other Project Costs							
a. Land/existing facility acquisition							
b. Professional Fees					\$2,564,489		\$2,564,489
CM Fees					\$301,705		\$301,705
c. Fire Marshall Fees					\$75,427		\$75,427
d. Inspection Services					\$250,000		\$250,000
e. Insurance Consultant					\$15,085	\$15,085	\$30,170
f. Surveys & Tests					\$50,000	\$50,000	\$0
g. Permit/Impact/Environmental Fees					\$120,000		\$120,000
h. Artwork						\$150,852	\$150,852
i. Moveable Furnishings & Equipment						\$4,738,904	\$4,738,904
j. Project Contingency					\$515,112	\$1,577,388	\$2,092,500
k. Construction Service Reimbursement					\$409,068	\$846,433	\$1,255,500
Total - Other Project Costs	\$0	\$0	\$0	\$0	\$4,300,885	\$7,378,662	\$11,679,547
ALL COSTS 1+2	\$0	\$0	\$0	\$0	\$24,300,000	\$17,550,000	\$41,850,000

Appropriations to Date			Project Costs Beyond CIP Period			Total Project In CIP & Beyond
Source	Fiscal Year	Amount	Source	Fiscal Year	Amount	
TOTAL			TOTAL			<u>\$41,850,000</u>

**STATE UNIVERSITY SYSTEM**  
**Fixed Capital Outlay Projects Requiring Board of Governors Approval**  
**to be Constructed, Acquired and Financed by a University or**  
**a University Direct Support Organization with Approved Debt**  
**BOB-1**

**Florida International University Board of Trustees**

8/1/2016

Univ.	Project Title	GSF	Brief Description of Project	Project Location	Project Amount	Funding Source	Estimated Month Of Board Approval request	Estimated Annual Amount For Operational & Maintenance Costs	
								Amount	Source
FIU	Hotel/Conference/Alumni Center	133,247	Meeting Rooms for Conference/Alumni Center with 105 Bed Hotel	MMC	\$50,000,000	P3/DSO	Jun-17	\$1,546,998	P3/DSO (a)
FIU	Parkview Housing - Phase II	150,000	410 Bed Residential Housing Complex with classrooms and offices for the Honors College	MMC	\$50,000,000	Revenue Bonds	Jun-17	\$1,741,500	Auxiliary (a)

(a) Annual operating and maintenance cost based on approximately \$11.61/GSF mixed use residential facilities.

**STATE UNIVERSITY SYSTEM**  
**Fixed Capital Outlay Projects that may Require Legislative Authorization**  
**and General Revenue Funds to Operate and Maintain**  
**BOB-2**

**Florida International University Board of Trustees**

8/1/2016

Univ.	Project Title	GSF	Brief Description of Project	Project Location	Project Amount	Funding Source	Estimated Annual Amount For Operational & Maintenance Costs	
							Amount (a)	Source
FIU	Hotel/Conference/Alumni Center	9,250	A portion of the project will be used for Alumni Center offices, student meeting rooms, conference rooms and student study space.	MMC	\$50,000,000	P3/DSO	\$106,199	P3/DSO (a)

(a) Annual operating and maintenance cost based on 2015 new space PO&M for building classification "D" (Fine Arts, Specialized Use, Student Activities Building).

**STATE UNIVERSITY SYSTEM  
Fixed Capital Outlay Legislative Budget Request  
Changes in Previous Appropriations  
BOB-3**

**8/1/2016**

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University: Florida International University  
Required Change: No changes requested at this time



**STATE UNIVERSITY SYSTEM**  
**Summary of Capital Improvement Fee Projects**  
**2017-2018 Fixed Capital Outlay (FCO) Legislative Budget Request**

**Florida International University**

8/1/2016

<b>Project Name</b>	<b>Total Project Cost</b>
Graham University Center - MMC	\$24,000,000
Wolfe University Center Renovations - BBC	\$6,000,000
Recreation Center Expansion - BBC	\$2,000,000
Recreation Center Remodeling - MMC	\$1,000,000
<b>Total</b>	<b>\$33,000,000</b>

**STATE UNIVERSITY SYSTEM  
2017-2018 CAPITAL IMPROVEMENT FEE PROJECT LIST  
PROJECT INFORMATION SHEET**

**University:** Florida International University

**Site Name:** Modesto Maidique Campus

**Project Name:** Graham Center Expansion

**Project Description:**

These funds will be used for the construction of a new ballroom with a seating capacity of approximately 850 persons and student meeting rooms/multi-purpose rooms. The new ballroom, which can be sub-divided into smaller areas, will contain approximately 30,000 square feet and the meeting rooms will contain approximately 16,000 square feet. The expanded Center generates the first impression of FIU's commitment to quality student life, creates a hub of student engagement and social interaction, develops student and alumni affinity, and houses amenities that directly contribute to student retention and well-being.

**Project Funding:**

Project Cost Detail:	<u>Amount</u>	Extraordinary or unusual on-site/off-site cost(s) included in project cost (item & cost):	<u>Amount</u>
Construction	\$ 14,421,376	Site Preparation/Demolition	\$ 400,000
Professional Fees	\$ 1,481,524	Landscape/Irrigation	\$ 200,000
Permits/Fire Marshall/	\$ 100,538	Covered Drop Off	\$ 200,000
Resident Supervision	\$ 558,921	Roadway Improvements	\$ 200,000
Artwork (if applicable)	\$ 82,307	Parking (spaces)	\$ 150,000
Surveys/Tests	\$ 140,000	Telecommunications (exterior)	\$ 300,000
Furnishings & Equipment	\$ 3,402,087	Electrical Service	\$ 100,000
Admin Fees/Contingency	\$ 1,773,247	Water Distribution System	\$ 150,000
		Sanitary Sewer System	\$ 50,000
		Storm Water System	\$ 30,000
		Chilled Water Piping	\$ 250,000
		Energy Efficient Equipment	\$ 10,000
		Total Extraordinary costs:	<u>\$ 2,040,000</u>
		Gross Square Feet:	<u>46,130</u>
		Net Assignable Square Feet:	<u>32,950</u>
		(Indicate total NASF and report by type on space inventory form)	
Total Construction Cost:	<u>\$ 16,461,376</u>	Construction Cost per GSF:	<u>\$ 356.85</u>
Total Project Cost:	<u>\$ 24,000,000</u>	Project Cost per GSF:	<u>\$ 520.27</u>

**Operational Funding for Facility\*:** Auxiliary Trust Fund

\*Identify the specific revenue source that will be made available to fund the cost of operating any additional facilities provided by the proposed **2017-2018** appropriation.

**Funding by Year:**

Fiscal Year	Source	Amount
2014-15		
2015-16		
2016-17		
2017-18	CITF	\$ 12,000,000
2018-19	CITF	\$ 12,000,000
	<b>Total</b>	<b>\$ 24,000,000</b>

**Key Project Schedule Dates:**

<u>08/17</u>	Submission of Building Program
<u>09/17</u>	Advertisement for Design Contract
<u>02/18</u>	Advertisement for Construction Contract
<u>12/19</u>	Issue Purchase Orders for Furniture and Equipment
<u>03/20</u>	Occupancy

**Private Activity Space:**

Please include if more than 5% of space includes Unrelated Business Income {UBI}

Description: n/a

Project Private Activity Cost: n/a

Name of Private User: n/a

**STATE UNIVERSITY SYSTEM  
2017-2018 CAPITAL IMPROVEMENT FEE PROJECT LIST  
PROJECT INFORMATION SHEET**

**University:** Florida International University

**Site Name:** Biscayne Bay Campus

**Project Name:** Wolfe University Center Renovations

**Project Description:**

These funds will provide extensive renovations and deferred maintenance improvements to the Wolfe University Center on the Biscayne Bay Campus. Improvements include new flooring, refurbishing balconies and railings, bathroom renovations, elevator replacements, complete building envelope restoration, fire alarm upgrades, A/V equipment modernization in the ballroom and meeting rooms and various building upgrades as funds become available.

<b>Project Funding:</b>		Extraordinary or unusual on-site/off-site cost(s) included in project cost (item & cost):	<u>Amount</u>
Project Cost Detail:	<u>Amount</u>		
Construction	\$ 4,200,000	Site Preparation/Demolition	\$ -
Professional Fees	\$ 462,000	Landscape/Irrigation	\$ -
Permits/Fire Marshall/	\$ 52,500	Signage Plazas/Walks/Bike paths	\$ -
Resident Supervision	\$ 70,200	Roadway Improvements	\$ -
Artwork (if applicable)	\$ -	Parking (spaces)	\$ -
Surveys/Tests	\$ 60,000	Telecommunications (exterior)	\$ -
Furnishings & Equipment	\$ 675,300	Electrical Service	\$ -
Admin Fees/Contingency	\$ 480,000	Water Distribution System	\$ -
		Sanitary Sewer System	\$ -
		Storm Water System	\$ -
		Chilled Water Piping	\$ -
		Energy Efficient Equipment	\$ -
		Total Extraordinary costs:	\$ -
		Gross Square Feet:	_____
		Net Assignable Square Feet:	_____
		(Indicate total NASF and report by type on space inventory form)	
Total Construction Cost:	<u>\$ 4,200,000</u>	Construction Cost per GSF:	<u>n/a</u>
Total Project Cost:	<u>\$ 6,000,000</u>	Project Cost per GSF:	<u>n/a</u>

**Operational Funding for Facility\*:** Auxiliary Trust Fund

\*Identify the specific revenue source that will be made available to fund the cost of operating any additional facilities provided by the proposed **2017-2018** appropriation.

**Funding by Year:**

<b>Fiscal Year</b>	<b>Source</b>	<b>Amount</b>
<b>2014-15</b>		
<b>2015-16</b>		
<b>2016-17</b>		
<b>2017-18</b>	<b>CITF</b>	<b>\$ 3,000,000</b>
<b>2018-19</b>	<b>CITF</b>	<b>\$ 3,000,000</b>
	<b>Total</b>	<b>\$ 6,000,000</b>

**Key Project Schedule Dates:**

<u>08/17</u>	Submission of Building Program
<u>09/17</u>	Advertisement for Design Contract
<u>02/18</u>	Advertisement for Construction Contract
<u>12/19</u>	Issue Purchase Orders for Furniture and Equipment
<u>03/20</u>	Occupancy

**Private Activity Space:**

Please include if more than 5% of space includes Unrelated Business Income {UBI}

Description: n/a

Project Private Activity Cost: n/a

Name of Private User: n/a

**STATE UNIVERSITY SYSTEM  
2017-2018 CAPITAL IMPROVEMENT FEE PROJECT LIST  
PROJECT INFORMATION SHEET**

**University:** Florida International University

**Site Name:** Biscayne Bay Campus

**Project Name:** Recreation Center Expansion

**Project Description:**

This project includes a small addition to the existing recreation center to provide small group fitness training space and a spinning room. The existing outdoor recreation field and support building will also be replaced as part of this project.

**Project Funding:**

Project Cost Detail:	<u>Amount</u>	Extraordinary or unusual on-site/off-site cost(s) included in project cost (item & cost):	<u>Amount</u>
Construction	\$ 650,460	Site Preparation/Demolition	\$ 200,000
Professional Fees	\$ 134,141	Landscape/Irrigation	\$ 300,000
Permits/Fire Marshall/	\$ 18,198	Covered Drop Off	\$ 150,000
Resident Supervision	\$ 22,357	Roadway Improvements	\$ -
Artwork (if applicable)	\$ 7,452	Parking (spaces)	\$ -
Surveys/Tests	\$ 25,000	Telecommunications (exterior)	\$ 20,000
Furnishings & Equipment	\$ 142,392	Electrical Service	\$ 40,000
Admin Fees/Contingency	\$ 160,000	Water Distribution System	\$ 50,000
		Sanitary Sewer System	\$ 30,000
		Storm Water System	\$ 50,000
		Chilled Water Piping	\$ -
		Energy Efficient Equipment	\$ -
		Total Extraordinary costs:	<u>\$ 840,000</u>
		Gross Square Feet:	<u>2,820</u>
		Net Assignable Square Feet:	<u>2,100</u>
		(Indicate total NASF and report by type on space inventory form)	
Total Construction Cost:	<u>\$ 1,490,460</u>	Construction Cost per GSF:	<u>\$ 528.53</u>
Total Project Cost:	<u>\$ 2,000,000</u>	Project Cost per GSF:	<u>\$ 709.22</u>

**Operational Funding for Facility\*:** Auxiliary Trust Fund

\*Identify the specific revenue source that will be made available to fund the cost of operating any additional facilities provided by the proposed **2017-2018** appropriation.

**Funding by Year:**

<b>Fiscal Year</b>	<b>Source</b>	<b>Amount</b>
<b>2014-15</b>		
<b>2015-16</b>		
<b>2016-17</b>		
<b>2017-18</b>	<b>CITF</b>	<b>\$ 1,000,000</b>
<b>2018-19</b>	<b>CITF</b>	<b>\$ 1,000,000</b>
	<b>Total</b>	<b>\$ 2,000,000</b>

**Key Project Schedule Dates:**

<u>08/17</u>	Submission of Building Program
<u>09/17</u>	Advertisement for Design Contract
<u>02/18</u>	Advertisement for Construction Contract
<u>12/19</u>	Issue Purchase Orders for Furniture and Equipment
<u>03/20</u>	Occupancy

**Private Activity Space:**

Please include if more than 5% of space includes Unrelated Business Income

{UBI}

Description: n/a

Project Private Activity Cost: n/a

Name of Private User: n/a

**STATE UNIVERSITY SYSTEM  
2017-2018 CAPITAL IMPROVEMENT FEE PROJECT LIST  
PROJECT INFORMATION SHEET**

**University:** Florida International University

**Site Name:** Modesto Maidique Campus

**Project Name:** Recreation Center Remodeling

**Project Description:**

This project will improve the existing recreation facility and complement the new expansion scheduled for completion in 2017. Renovation and remodeling is needed to renovate existing showers and locker rooms and remodel other spaces adjoining and connecting directly to the new expansion. Equipment, A/V and signage upgrades will be included in the project.

**Project Funding:**

Project Cost Detail:	<u>Amount</u>	Extraordinary or unusual on-site/off-site cost(s) included in project cost (item & cost):	<u>Amount</u>
Construction	\$ 420,000	Site Preparation/Demolition	\$ -
Professional Fees	\$ 46,200	Landscape/Irrigation	\$ -
Permits/Fire Marshall/	\$ 1,050	Covered Drop Off	\$ -
Resident Supervision	\$ 12,000	Roadway Improvements	\$ -
Artwork (if applicable)	\$ -	Parking (spaces)	\$ -
Surveys/Tests	\$ -	Telecommunications (exterior)	\$ -
Furnishings & Equipment	\$ 440,750	Electrical Service	\$ -
Admin Fees/Contingency	\$ 80,000	Water Distribution System	\$ -
		Sanitary Sewer System	\$ -
		Storm Water System	\$ -
		Chilled Water Piping	\$ -
		Energy Efficient Equipment	\$ -
		Total Extraordinary costs:	<u>\$ -</u>
		Gross Square Feet:	<u>1,680</u>
		Net Assignable Square Feet:	<u>1,200</u>
		(Indicate total NASF and report by type on space inventory form)	
Total Construction Cost:	<u>\$ 420,000</u>	Construction Cost per GSF:	<u>\$ 250.00</u>
Total Project Cost:	<u>\$1,000,000</u>	Project Cost per GSF:	<u>\$ 595.24</u>

**Operational Funding for Facility\*:** Auxiliary Trust Fund

\*Identify the specific revenue source that will be made available to fund the cost of operating any additional facilities provided by the proposed 2017-2018 appropriation.



