



OPERATIONAL SUPPORT & TARGETED STEM APPROPRIATIONS 2019-2020

FIU | FLORIDA
INTERNATIONAL
UNIVERSITY

INVESTMENTS & INITIATIVES

STUDENT SUCCESS

\$3.3
MILLION



Scholarships

\$2.1
MILLION



Year-Round University

\$1.9
MILLION



Teaching Faculty

\$1.6
MILLION



Learning Assistants

\$2.4
MILLION



Industry Competencies
and Student Support

RESEARCH EXCELLENCE

\$2
MILLION



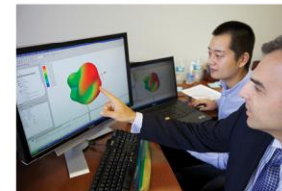
Research
Infrastructure

\$1
MILLION



Research Faculty

\$0.4
MILLION



Undergraduate
Research

\$0.3
MILLION



Doctoral
Student Support

TARGETED STEM LBR

The 2019 Florida budget included \$2.5M for the Targeted STEM Initiative which transforms and re-engineers STEM programs and courses to optimize the retention, graduation, marketability, and career creation and placement of science, mathematics, engineering and computer science students.

The Targeted STEM Initiative is a producer of a highly skilled and highly adaptable workforce that will serve as a launch pad for innovation and startups as well as attract high-tech companies to South Florida.

These Initiatives are:

1. Integrating best program-of-study practices and deploy state of the art evidence-based instruction and advanced classroom assessment throughout critical STEM courses for all STEM majors
2. Implementing interventions that promote mental health and wellness, especially for first generation and millennial students
3. Developing the recently established School of Universal Computing, Construction, and Engineering Education (SUCCEED) to propagate best practices, assess and provide critical feedback to critical stakeholders
4. Leveraging these initiatives to catalyze external investment and promote national prominence



4-year Graduation Rate

+18.2

73% Increase



R1

Carnegie Classification
Doctoral University

Highest Research Activity



#3 in SUS

in NIH Annual Funding

PROGRAM OF DISTINCTION IN ENVIRONMENTAL RESILIENCE

2020-2021

FIU

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PROGRAM OF DISTINCTION IN ENVIRONMENTAL RESILIENCE

Florida International University seeks \$15.15M in funding for our Program of Distinction in Environmental Resilience.

This program is aligned with utilizing FIU's interdisciplinary core competencies in addressing 21st Century environmental challenges.

The program's mission is to: address environmental challenges by creating data-driven solutions; educating the work force of tomorrow in strategic areas of focus; and utilizing world class research strengths to address the economic and population wellbeing issues related to environmental resilience.



IMMEDIATE OUTCOMES

- **Increase research grants from government and private sources**
 - Generation of an additional \$15M in Research Expenditures
- **FIU to be known as a national and global leader in Environmental Resilience**
- **Continue to be hyper focused on student success outcomes**
 - Increase 4-year graduation rate by an additional 5%
- **Recruit additional National Academy Members**
- **Help Florida solve some of its most pressing environmental resilience challenges, including:**
 - Implementing a coastal monitoring system
 - Educating workforce
 - Establishing a first of its kind Environmental Finance and Entrepreneurship program



INVESTMENTS IN STUDENTS

\$1.5
MILLION



Recruitment Scholarships and Retention/Completion Grants

\$1
MILLION



Environmental Fellows Career Pipeline

\$1
MILLION



Industry Partnerships for Economic Growth/Workforce Development in Environmental Resilience

2025 Goals:

60%
4-Year Graduation Rate

600
Doctoral Degrees

\$9,000
Average Cost to Student

90%
Retention Rate

INVESTMENTS IN RESEARCH

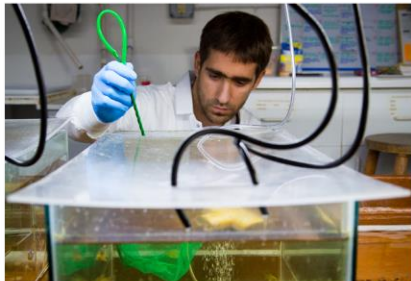
\$ 7
MILLION

\$0.8
MILLION

\$0.7
MILLION

\$0.6
MILLION

\$2.5
MILLION



Faculty Recruitment/Teaching and Research

Doctoral Student Support

Program of Distinction Postdoctoral Fellows

Faculty Research Grant Support

Ongoing Support for Field Deployed Monitoring Equipment and Data Processing Technologies

2025 Goals:

\$300M

Total Research Expenditures

\$252M

Science & Engineering Research Expenditures

\$20M

Industry Related Research Expenditures

LONG-TERM GOALS

METRIC	2018	IMPACT	2025
The FTIC 4-Year Graduation Rate	38.9%	+54%	60%
The FTIC 6-Year Graduation Rate	57%	+23%	70%
The FTIC 2-Year Retention Rate	88%	+2.3%	90%
Total Doctoral Degrees	404	+49%	600
Total Research Ph.D. Degrees	200	+58%	315
Total Research Expenditures	\$196 M	+53%	\$300 M
Science & Engineering Research Expenditures	\$166 M	+52%	\$252 M
Non-Medical Science & Engineering Research Expenditures	\$153 M	+53%	\$234 M
Industry-Related Research and Development	\$9.3 M	+115%	\$20 M

PROGRAM-SPECIFIC METRICS

- Increase recruitment of top undergraduate and graduate students in program areas
- Increase program-specific graduation rates
- Continue to recruit top research faculty including National Academy Members in these specific programs
- Increase program-specific national ranking as measured by:
U.S. News (e.g. Best Global Universities for Environment/Ecology), College Choice (e.g. Best Environmental Science Degrees), NSF HERD
- Increase external research funding
- Improve student/faculty ratios





QUESTIONS/ DISCUSSION

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