

NORTHEASTERN .

# University Update

October 20, 2021

# Northeastern **2025** pillars

To build an  
integrated global  
university system

Empower learning  
anytime, from  
anywhere

Accelerate  
discovery through  
networked  
partnerships

# Experience Unleashed pillars

**Learning beyond the disciplines**

**Laser focused on high-impact research**

**Fully global, with mobility for all**

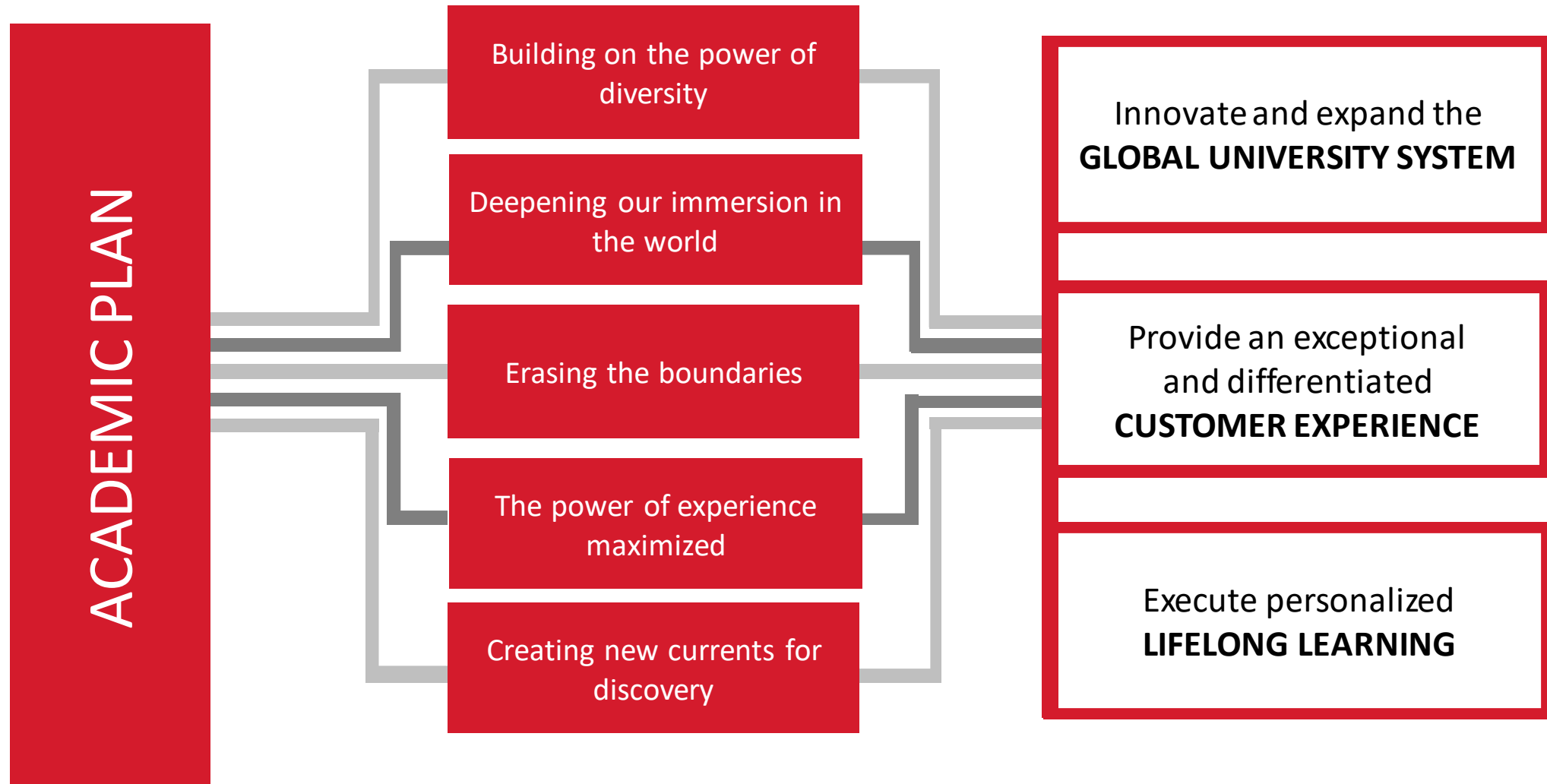
**Scaled and empowered through technology  
+ diverse and inclusive in every context**

**Co-defined problems with co-created solutions** designed through combined community intelligence, data and technology



# Strategic Priorities

OFFICE OF THE CHANCELLOR



# New Appointments

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OFFICE OF THE CHANCELLOR

## Chancellor's Leadership Team



**Jim Madigan**

Director of Athletics

## Student Affairs



**Chong Kim-Wong**

Vice Chancellor,  
Dean of Students



**Dan Solworth**

Vice Chancellor,  
Wellness and Student  
Success



**Michele Grab**

Vice Chancellor,  
Network and  
Initiatives

# New Appointments

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OFFICE OF THE CHANCELLOR

## Educational Innovation



**Megan Madel**

Associate Vice  
Chancellor,  
Educational Design  
and Opportunities



**Brian Fleming**

Associate Vice  
Chancellor, Learning  
Ecosystem  
Development



**Girlie Delacruz**

Associate Vice Chancellor,  
Teaching and Learning

## Global Launch Services



**Kristin Smith**

Director of Global  
Regulatory Affairs



**Brian Lackaye**

Associate Vice Chancellor,  
Global Launch Services

# Current Searches

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OFFICE OF THE CHANCELLOR

## **On-Going Searches**

Vice President of Enrollment  
Management

Vice Chancellor Global Network  
Operations

Vice Chancellor Global Network Expansion



# New Appointments

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OFFICE OF THE PROVOST



**Gregory Abowd**  
Dean of the College  
of Engineering



**David Fields**  
Interim Dean of  
the College of  
Professional  
Studies



**Emery Trahan**  
Interim Dean of  
D'Amore McKim  
School of  
Business



**Alan Mislove**  
Interim Dean of  
Khoury College of  
Computer Sciences



**Karl Reid**  
Senior Vice Provost  
and Chief Inclusion  
Officer

# Current Reviews and Searches

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OFFICE OF THE PROVOST

## **3-Year Review**

Carmen Sceppa, Dean, Bouvé  
College of Health Sciences

## **5-Year Review**

Dan Cohen, Dean of Libraries and  
Vice Provost for Information  
Collaboration

## **On-Going Searches**

Dean, College of Professional  
Studies

Dean, D'Amore-McKim School  
of Business

Executive Vice Provost

# COVID-19 Testing Update

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## **Cabot and Huntington Testing Center**

- Cabot Testing Center capacity: 7,080 per day
- Huntington Testing Center capacity: 84 per day
- Contact tracing, wellness housing, and telehealth for positive cases will continue

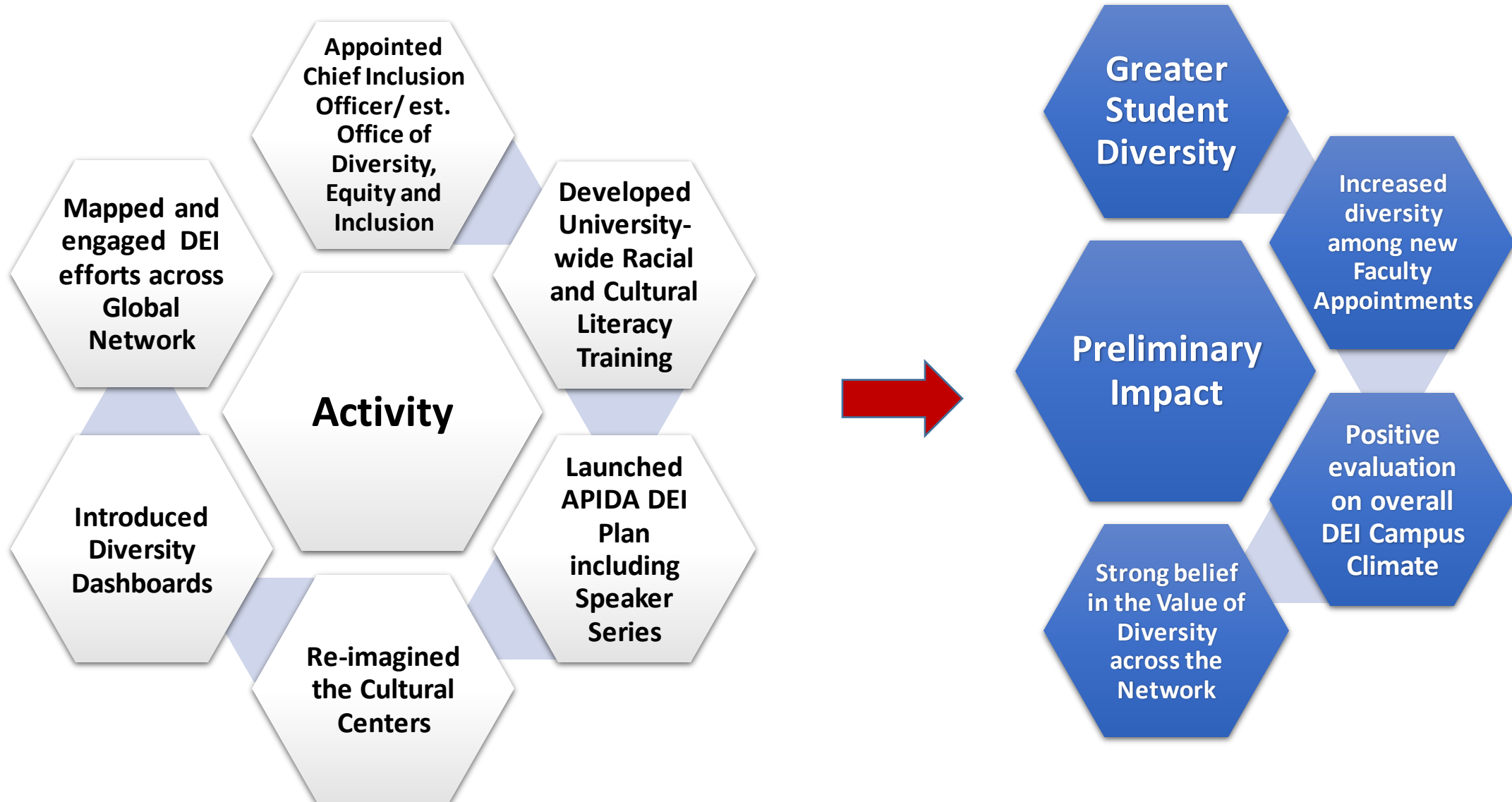


## **LSTC**

- Pooled samples in place for Cabot Testing Center
- Huntington Testing Center samples tested for flu or COVID
- All positive are screened for variants and sequenced if necessary

# Towards a More Inclusive University: Major Activities and Impact

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# 2287\*

STUDENTS

# N.U.in 2021

2020 N.U.in Cohort:  
Boston: 784 students  
Ireland: 79 students

98% fall-spring retention  
3.5 average GPA

Nearly **2X** the  
size of largest  
previous cohort



1279 Boston: Northeastern  
217 Ireland: University College Dublin  
236 England: New College of the Humanities  
323 Greece: American College of Thessaloniki  
200 Italy: John Cabot University

1259 N.U.in students  
on **25** floors of Boston  
hotels

4.07 average HS GPA  
1438 average SAT

\*Includes students who switched to Global ConnEXions

# 97

STUDENTS in inaugural year

# Global ConnEXions 2021

Evolution from fully-remote **NU Start** program

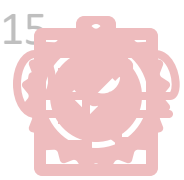


Students take **first-year seminar** with peer mentors; interdisciplinary **challenge-based courses**

**Hybrid** program: virtual learning combined with short 'residencies' throughout the year\*

Future residencies envisioned for other Northeastern campuses

\*With virtual option for those who cannot travel



# Curriculum and Programs - Undergraduate

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## Combined Major Revision

- Increased curricular integrity
- More seamless cross-college advising

## Experiential Minors/Badging: Cultural/Regional Literacy

- ADs/Faculty/Student Working Group developing framework

## NUpath Course Alignment Reviews

- Faculty workshops review NUpath attributes/requirements
- Part of NECHE continuous improvement process



# Curriculum and Programs – Grad/Non-credit

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## Experiential Master's Program

- MS in Biotech underway
- Additional F '22 programs in development

## Master's Student Ecosystem

- Need to develop programming/activities targeting them
- Working with Grad ADs & advisors

## Module/Badging Offerings

- Tying to Courseleaf to ease submissions/approvals
- Creating Banner record for non-credit transcript





## Shared Student Services

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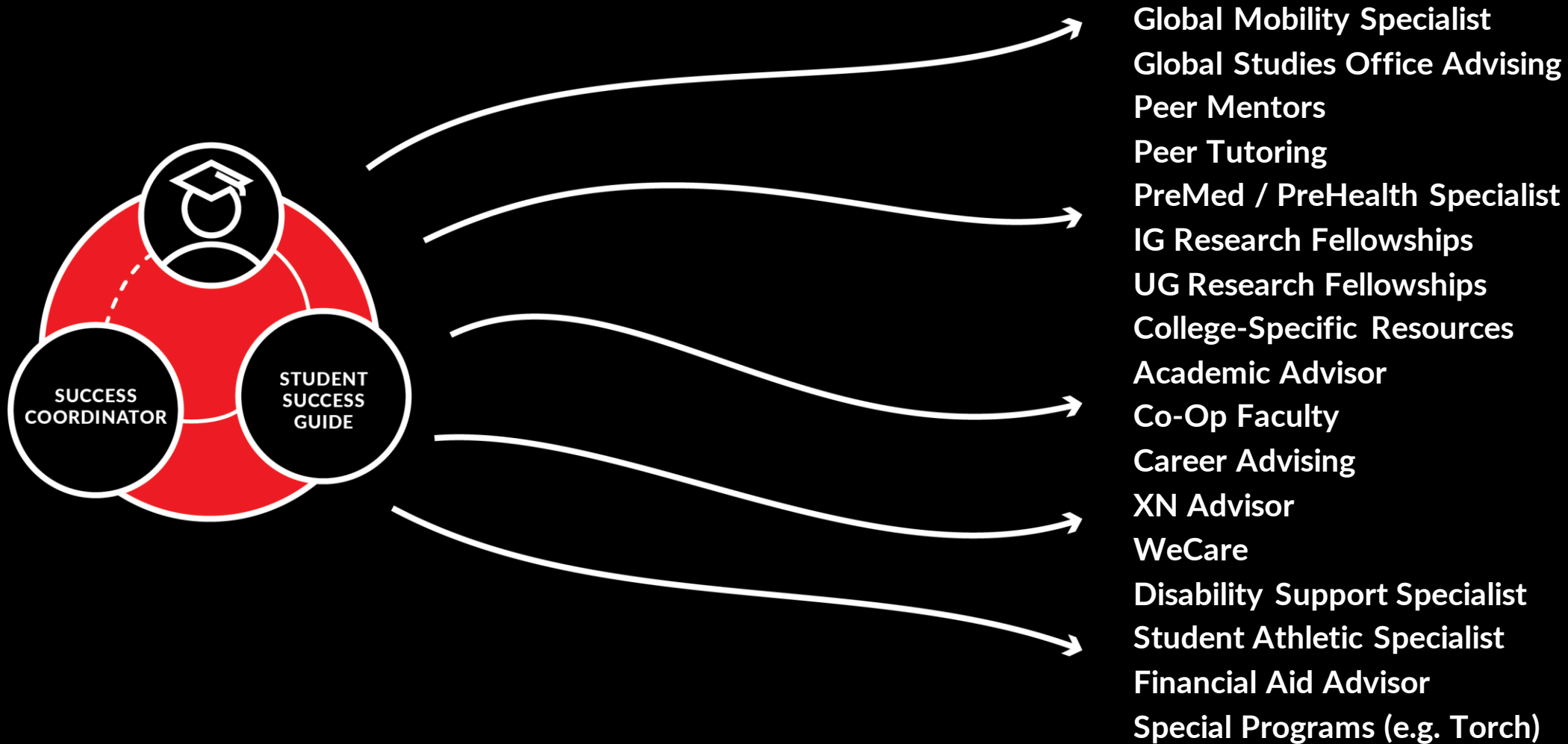
Centralized key functions  
in one convenient  
location

Launched a Student  
Services Portal for  
appointments

Integrates with a broader  
initiative to maximize use  
of underused spaces

# Student Support Initiative

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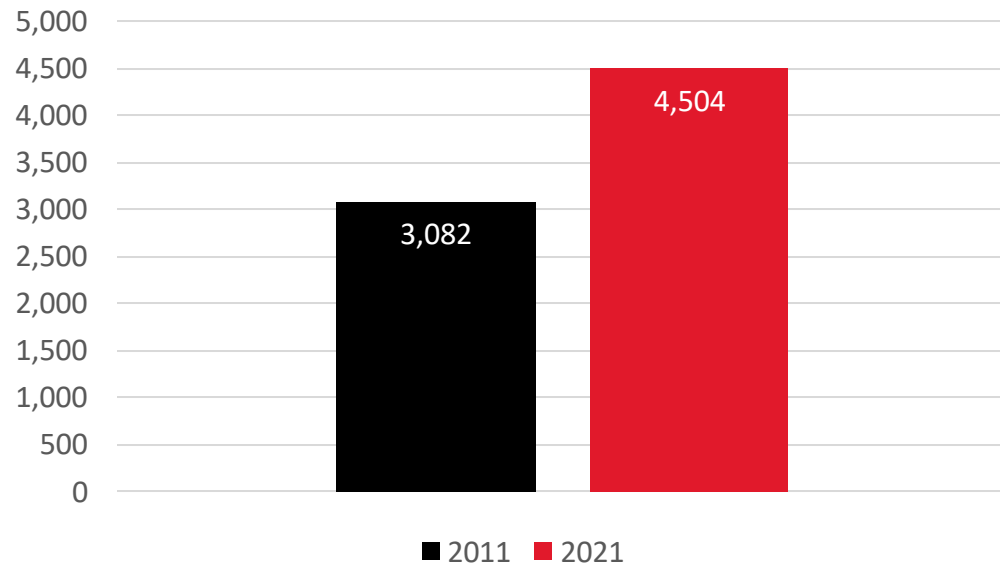
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• UNDERGRADUATE  
• EDUCATION

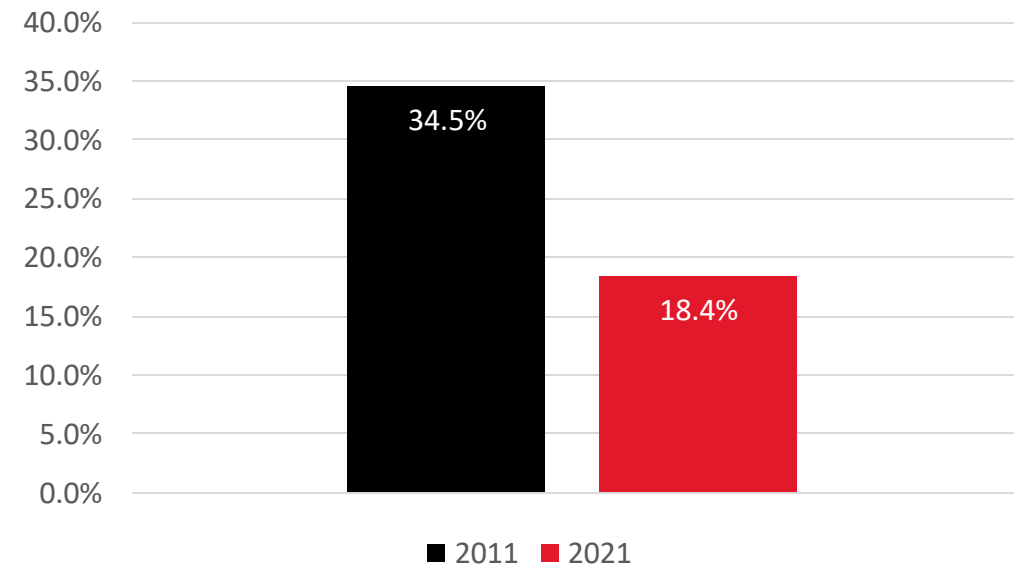
# Undergraduate Metrics

2011 to 2021

### Enrolling Students\*



### Admit Rate\*

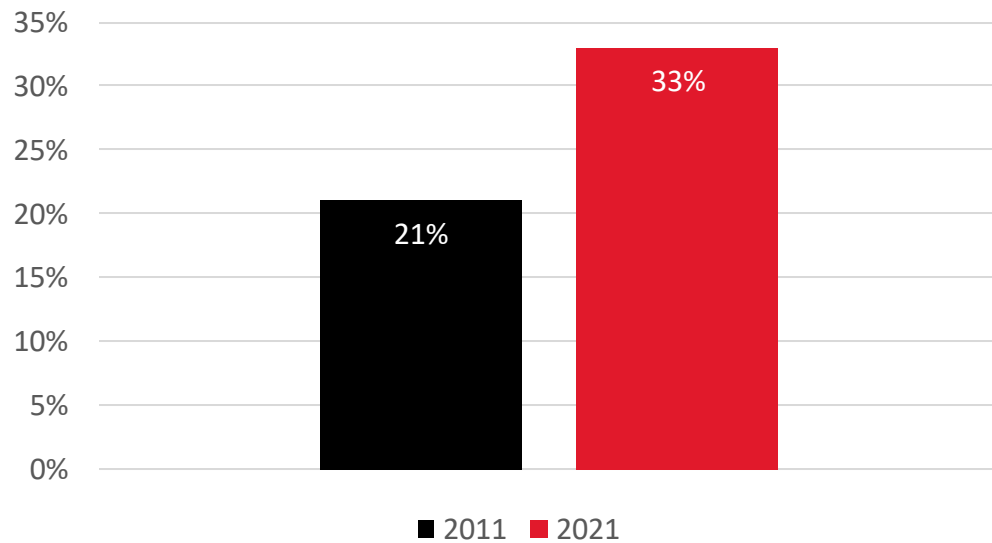


*\*Data for enrolled full-time, first-time fall freshman students*

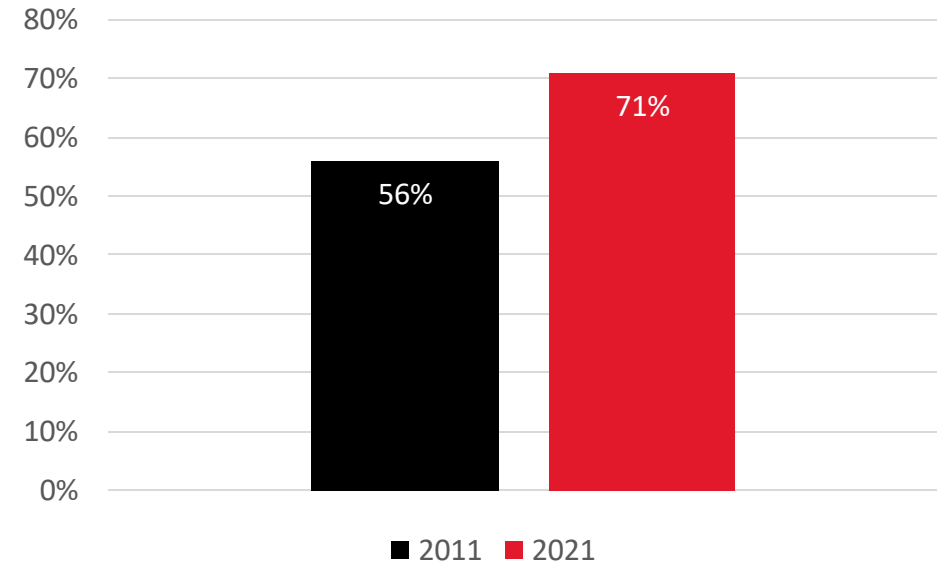
# Undergraduate Metrics

2011 to 2021

Yield Rate\*



Top 10% of HS Class\*

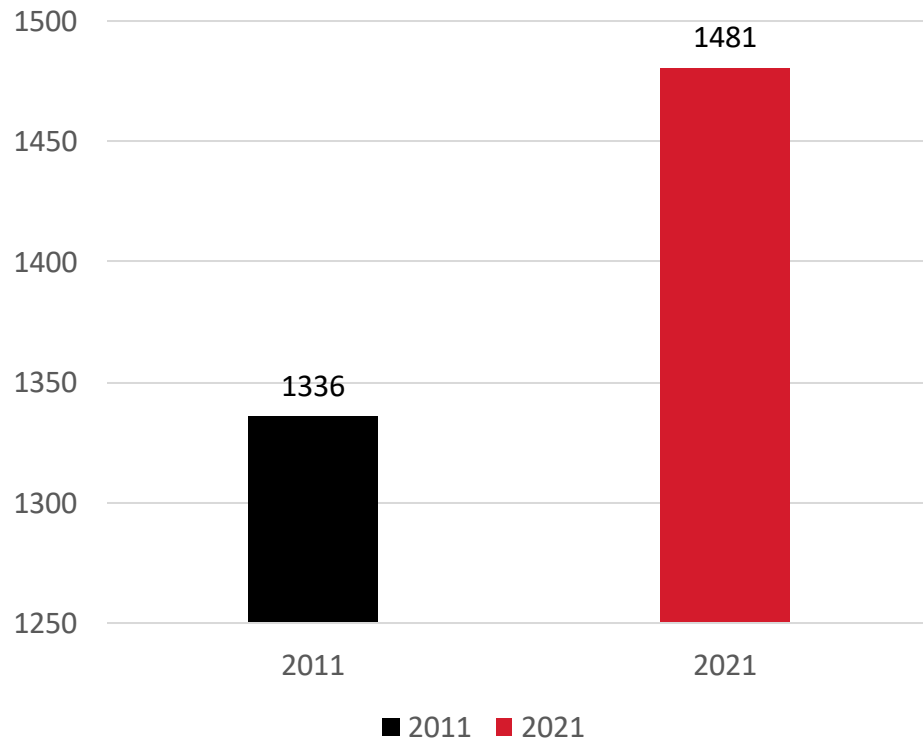


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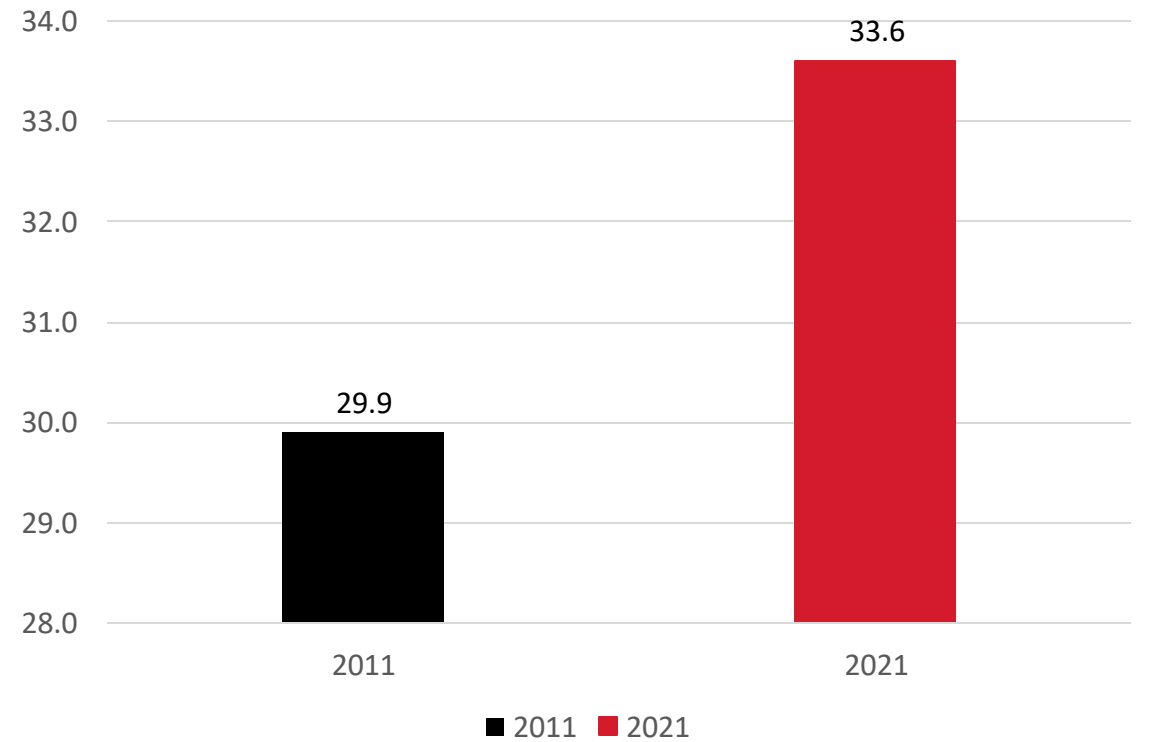
# Undergraduate Metrics

2011 to 2021

Enrolling Student Average SAT\*



Enrolling Student Average ACT\*



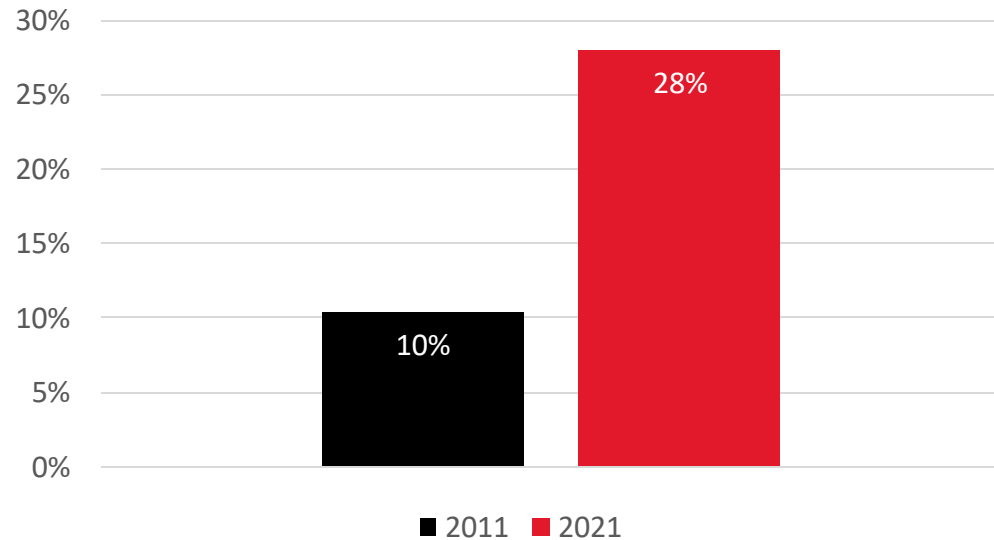
*\*Data for enrolled full-time, first-time fall freshman students*

Note: SAT was redesigned in 2017. Year prior to 2017 represent old SAT, 2017 and forward represent new SAT.

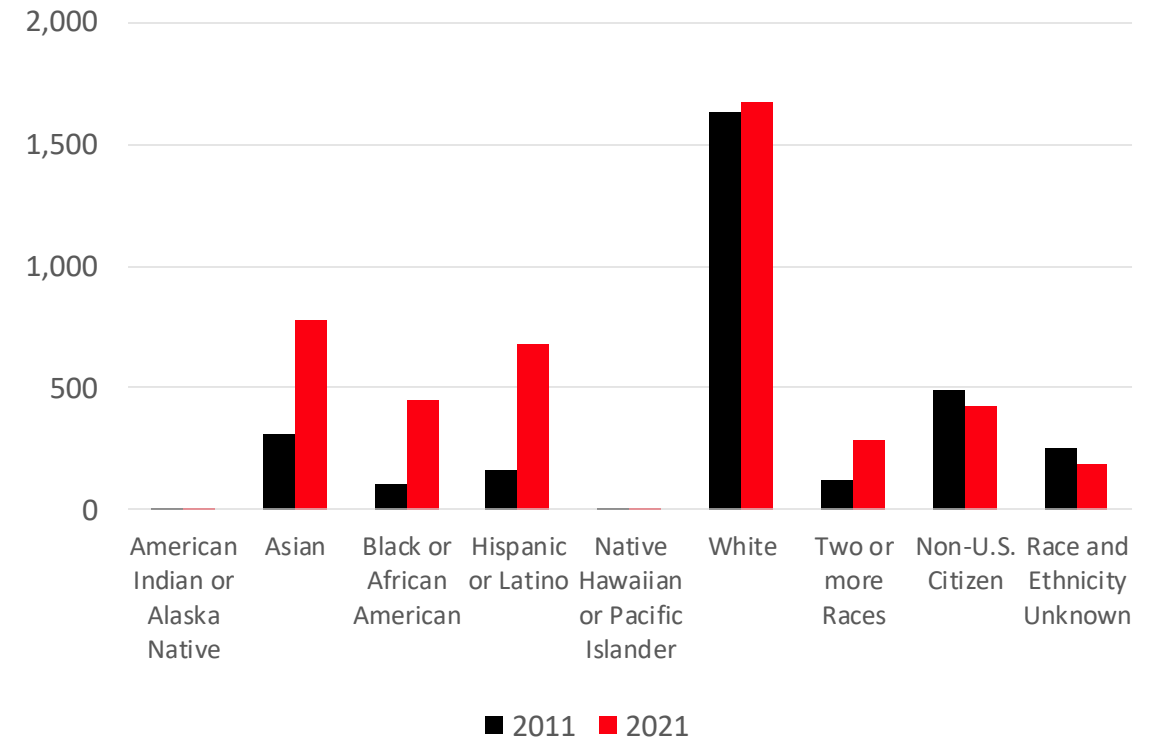
# Undergraduate Metrics

2011 to 2021

### Underrepresented Minorities\*



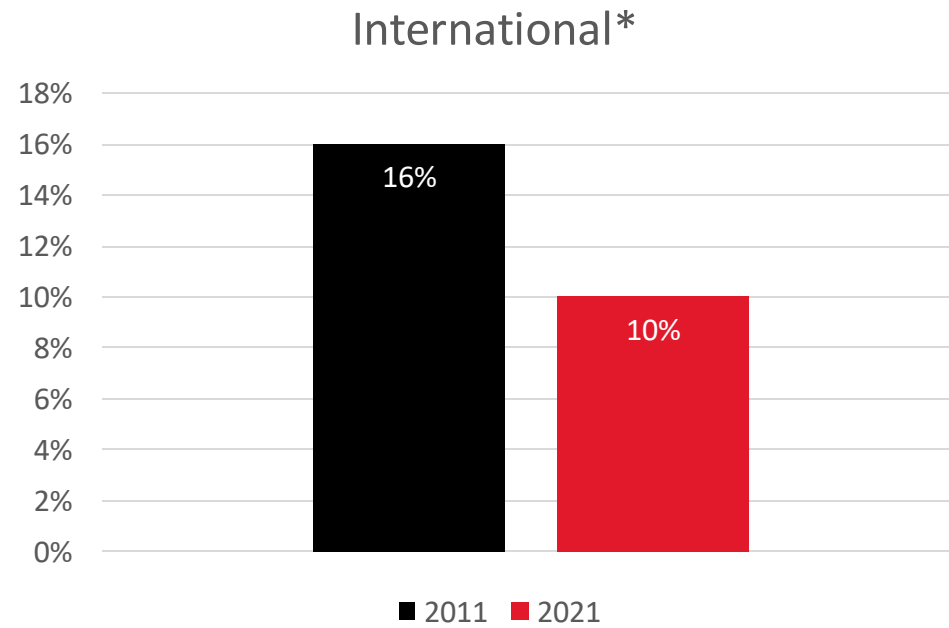
### IPEDS Race/Ethnicity\*



*\*Data for enrolled full-time, first-time fall freshman students  
Note: URM is calculated for domestic students using IPEDS Race/Ethnicity data*

# Undergraduate Metrics

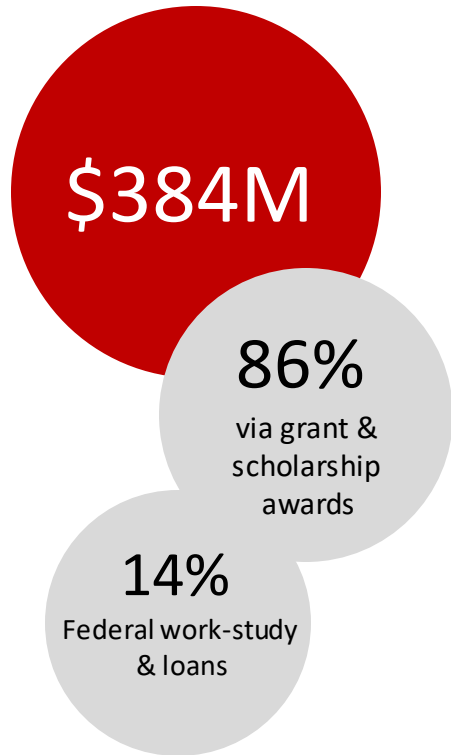
2011 to 2021





# Supporting Students

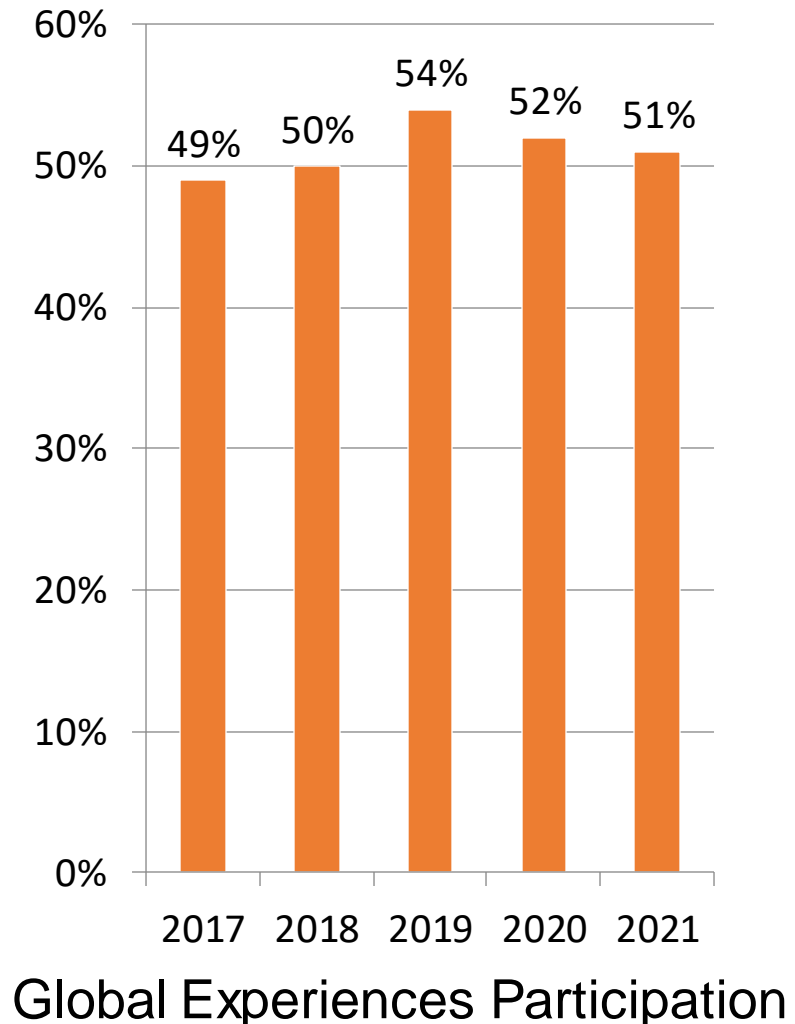
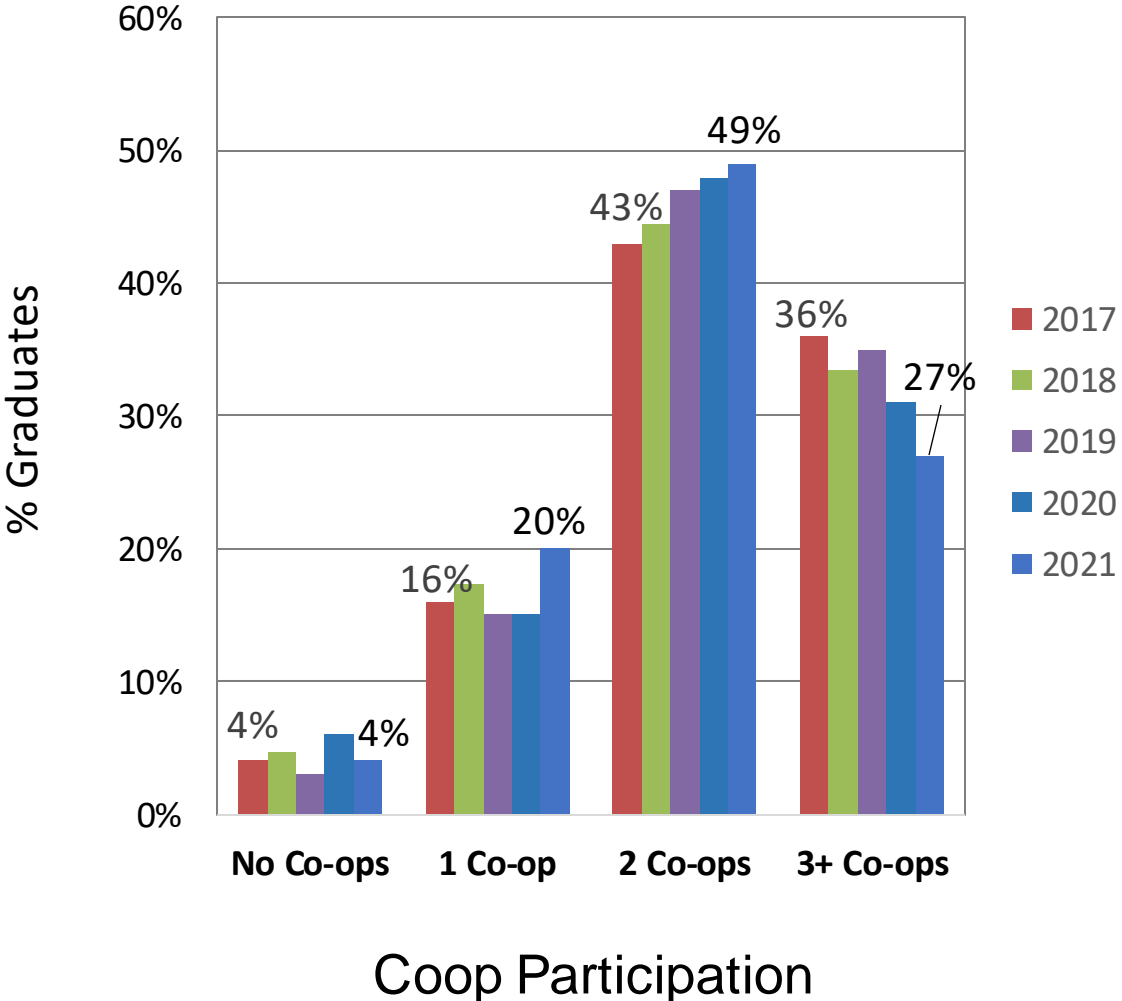
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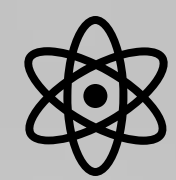


All incoming, federally-eligible, financial aid applicants receive 100% of demonstrated need, putting us among a select group of fewer than 80 institutions nationally.

This aid combines with our Northeastern Promise, which guarantees grant funding for a recipient's full undergraduate program.

# Student Engagement (by graduating class)





# Global Campus Overview

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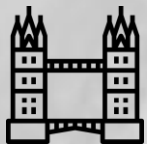
The Roux Institute



Toronto



Seattle



London



Vancouver



Charlotte



San Francisco and  
Silicon Valley



Arlington



Mills College

# Mills Integration Workstreams

**Mills Lead:** Patricia Hardaway  
**NU Lead(s):** Tom Sheahan, Kristin Greenwood  
**Priorities:**

- Academic program launch
- Enrollment Strategy
- Advising
- Faculty hires
- Registrar

Teaching & Learning



**Mills Lead:** Chicora Martin  
**NU Lead:** Madeleine Estabrook  
**Priorities:**

- Student Experience
- Housing & Residential Life
- Health & Wellness
- Student Conduct
- International Students

Student Life



**Mills Lead:** Renée Jadushlever  
**NU Lead:** Kathy Spiegelman  
**Priorities:**

- Space assessment
- Classroom technology
- Safety and security assessment and planning

Campus Planning



**Mills Lead:** Maria Cammarata/Pat Hardaway  
**NU Lead:** Michele Grazulis  
**Priorities:**

- Payroll
- Local Labor Requirements
- Benefits
- Employee Mobility

*\*Workstream includes faculty and staff subgroups*

People



**Mills Lead:** Robynne Lofton/Pat Hardaway  
**NU Lead:** Rob Reddy  
**Priorities:**

- Financial Aid
- Scholarships
- Student Loans
- Student Fees & Registration
- Billing & Payments

Student Finance



**Mills Lead:** Maria Cammarata  
**NU Lead:** Cole Complesse  
**Priorities:**

- Campus Network
- Access to NU systems
- Data Privacy and Information Security
- Support Services

ITS



**Mills Lead:** Maria Cammarata, Pat Hardaway  
**NU Lead:** Mallik Sundharam, Kristen Smith  
**Priorities:**

- Degree Authorization
- Immigration Compliance
- Business Compliance & Registration
- Legal

Regulatory



**Mills Lead:** Chicora Martin/Christie Chung  
**NU Lead:** Connie Yowell  
**Priorities:**

- Create unique semester in program
- Build NUin programming & cohort for Fall 2022
- Create unique Mills@NU mobility programs

Student Mobility



**Mills Lead:** Renée Jadushlever  
**NU Lead:** Renata Nyul  
**Priorities:**

- Government Relations
- Marketing
- Community Relations

Communications



**Mills Lead:** Maria Cammarata/Nikole Adams  
**NU Lead:** Alysa Gerlach  
**Priorities:**

- Finance Reporting
- Policies & Process Review

Administrative



# Space Enhancements

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# EXP

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- 357,000 gross square feet
- 53 offices, 15 research neighborhoods
- 6 classrooms, 10 teaching labs
- 14,700 square feet makerspace
- On Track for Summer 2023 Completion



# Study Spaces

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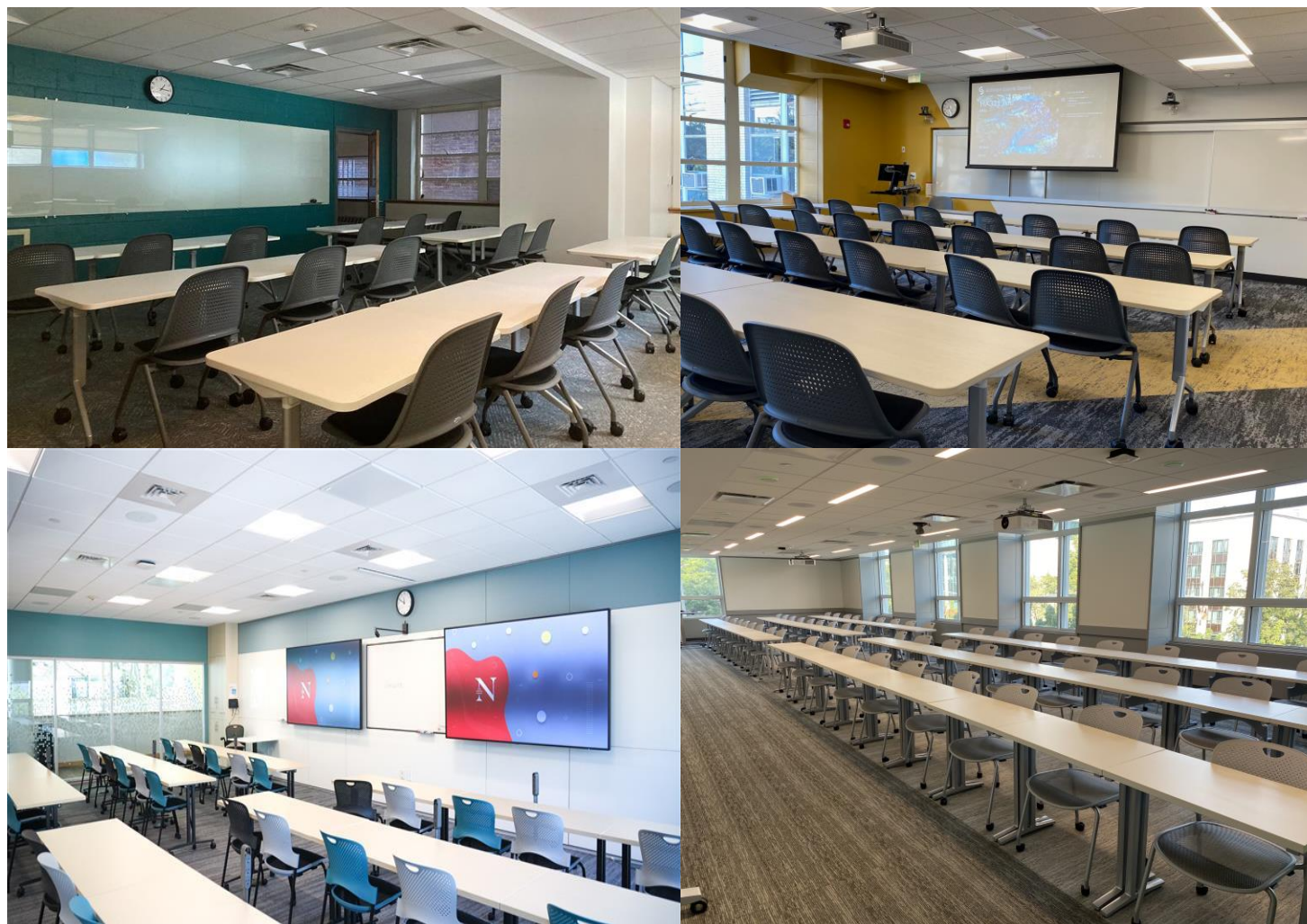
- Over **36,000 sf** of space was allocated for bookable student study space
- New flexible furniture is being added to **8 lobby locations**
- Flexible furnishings allow for various of sizes of groups and types of study
- Spaces are bookable via Robin platform



# Classrooms

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- Full renovations were completed of **21 classrooms** on the Boston campus
- **13 new classrooms** were added to the current inventory
- State of the art furniture and AV offerings were added to allow for flexible usage by its users.





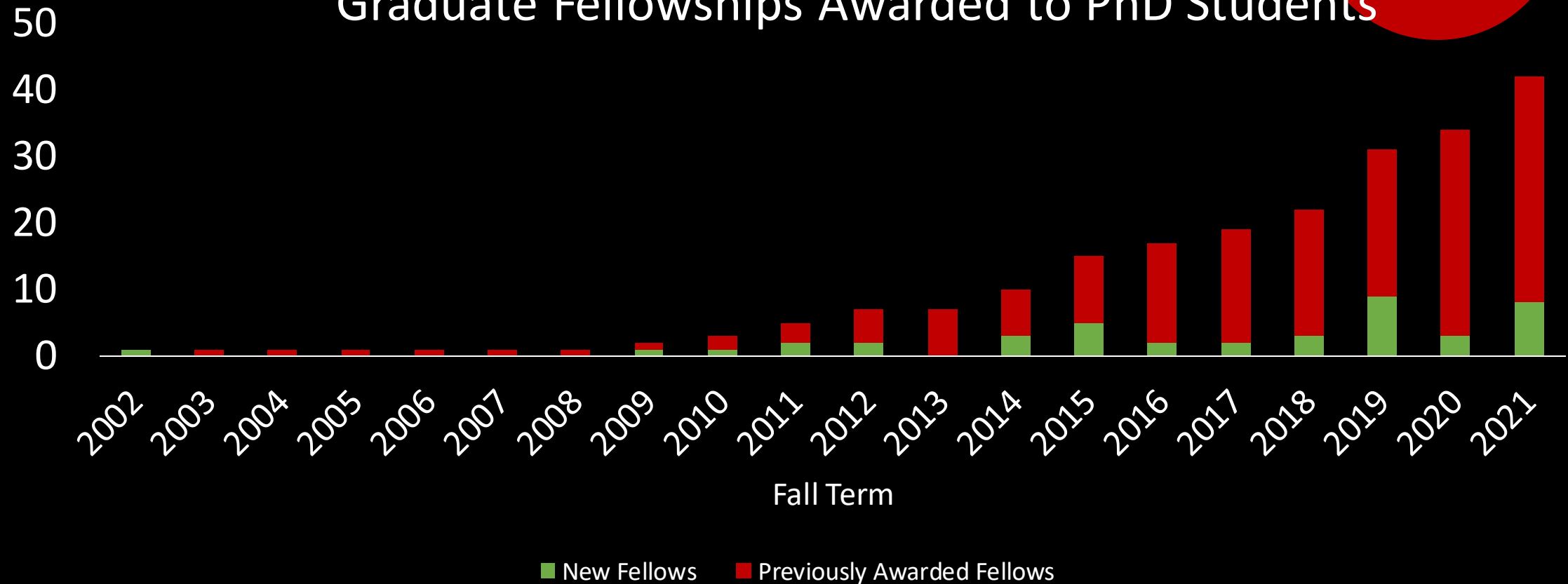
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PHD AND  
RESEARCH

# Deepening Quality in PhD Programs

42

National Science Foundation  
Graduate Fellowships Awarded to PhD Students



# Experiential PhD

*the Engine Driving Research Education*

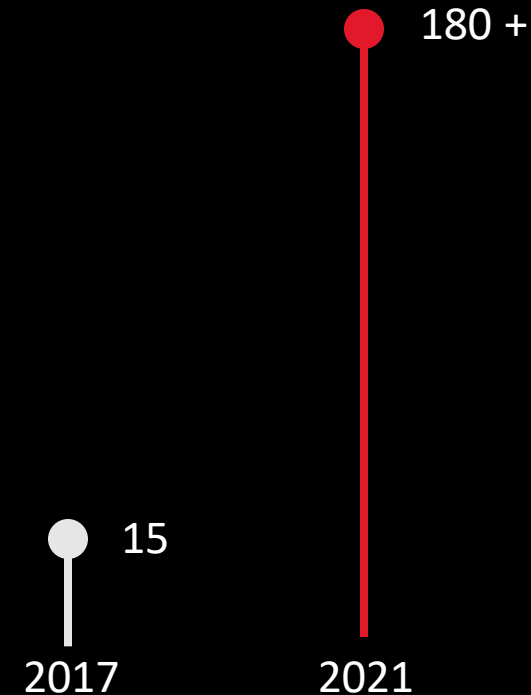
60+

Partnerships

- LEADERS – empowering researchers to lead from the middle
- Industry PhD – research education co-advised with industry partners
- Global dual PhD – co-advising PhD students through institutional partnerships
- Experiential Fellowships – students and postdocs immersed in industry
- Research Partners – as hosts to student and postdoc research

## PhD Students & Postdocs

Who have been embedded with our partners



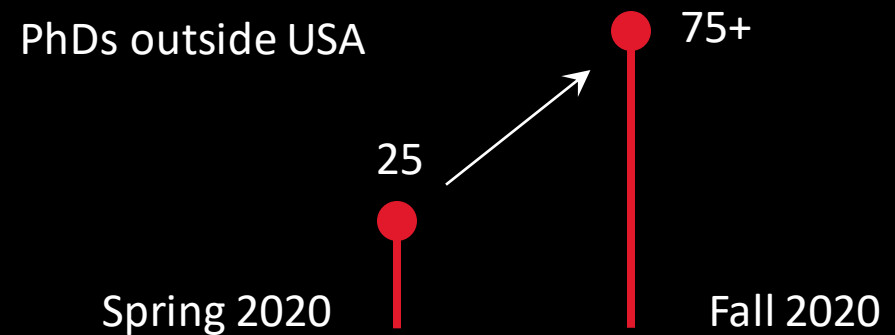
# Progress to Northeastern 2025

## *Research Education Across our Growing Global Network*

### Experiential PhD

- 20 Institutional Engagements w/ Partners
- 4x Increase in 1 year
- 55+ participating PhD students & PostDocs
  - LEADERS – empowering researchers to lead from the middle
  - industry PhD – research education co-advised with industry partners
  - global dual PhD – co-advising PhD students through institutional partnerships

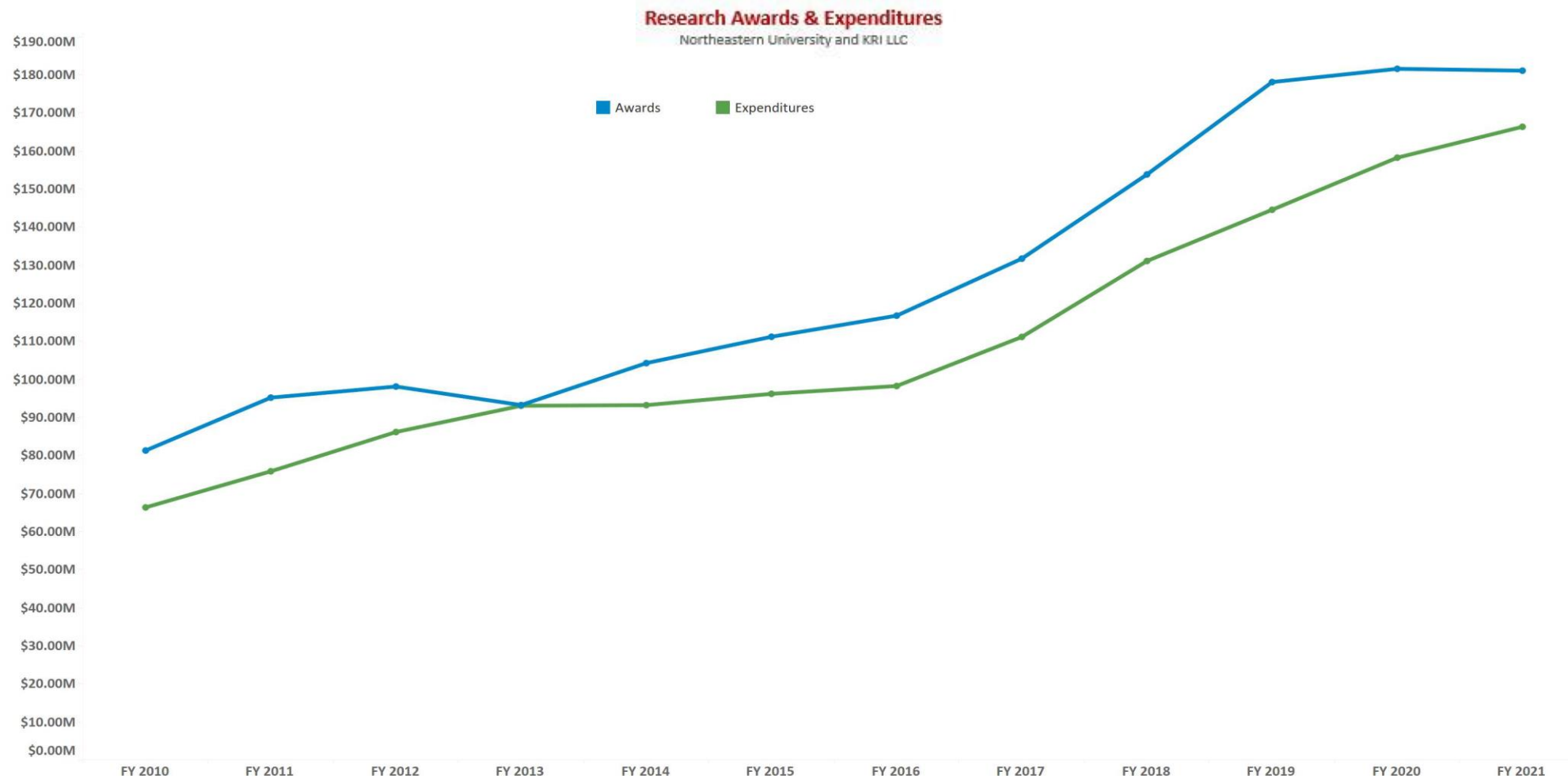
### Global PhD Education



#### NEW to support resiliency:

- PhD Trainee Fellowship pilot to support PhD student education outside USA
- Global Dual PhD Degree Partnerships
  - University of Hong Kong (1 PhD student)
  - Sapienza University of Rome (3 PhD students)

# Research: Award Growth

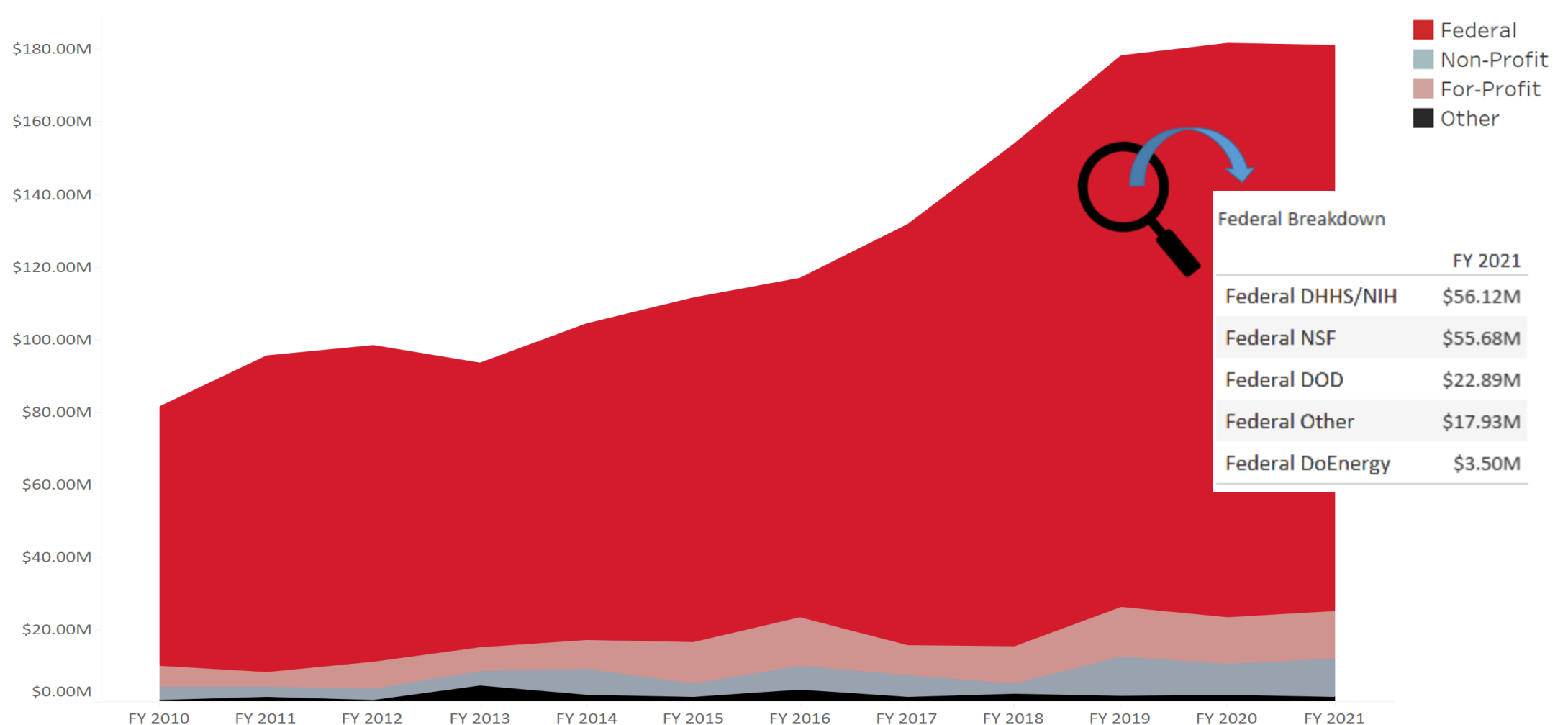


Source: University Warehouse and KRI LLC Database

\*Prior to FY17, new award obligations reflect in-kind ORS funding

Run Date: 2021-09-08

# Research: Awards by Funding Agency(\$millions) Northeastern University & KRI LLC



Source: University Warehouse and KRI LLC Database

\*Report does not include ORS Funding

Run Date: 2021-09-08

# Notable research award successes

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## NSF INCLUDES - \$10M

Broadening participation from BIPOC communities

Reid, Silevitch, Duggan, Harris

## Mass. Life Sciences Collaborative- \$1.4M

Delivery of Nucleic Acid Therapeutics using MIND

Amiji in partnership with Ely Lilly & Mass Eye and Ear Infirmary



## NSF CAREER – Early Career Award Program

11 new awards with a 37% success rate (most at any institution in MA, ranked in top 10 nationwide)

Plus 4 existing awards transferred in with new faculty recruitments

## WT Grant Foundation - \$650k

Building a More Holistic and Inclusive Workforce Development System for Boston's Youth

Sasser-Modestino in partnership with City of Boston Department of Youth Engagement and Employment



## US Army Corps of Engineers- \$7.7M

Advanced Terrain Analytics to Support Tactical Scale Planning and Operations Over Varied Environments in support of the U.S. Army Engineer Research and Development Center - Geospatial Research Laboratory

Robinson, Ganguly, Singh, Hand, Lin, Ioannidis, Chowdury, Padir

# An unprecedented year for infrastructure awards

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**NSF Mid-scale Research Infrastructure - \$15.7M**

Observatory for Online Human and Platform Behavior

Lazer, Wilson, Choffnes



**NSF Major Research Instrumentation - \$417k**

Acquisition of a controllable pulse transcranial magnetic stimulator with robotic positioning and integrated EEG / EMG for engineering and neuroscience research and education

Tunik, Brooks, Erdogmus, Whitfield-Gabrieli



**NSF Major Research Instrumentation - \$2.1M**

Acquisition of a controllable pulse transcranial magnetic stimulator with robotic positioning and integrated EEG / EMG for engineering and neuroscience research and education

Tunik, Brooks, Erdogmus, Whitfield-Gabrieli



# A new approach to developing value propositions

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## Based on the Carlsson-Polizzotto value creation method

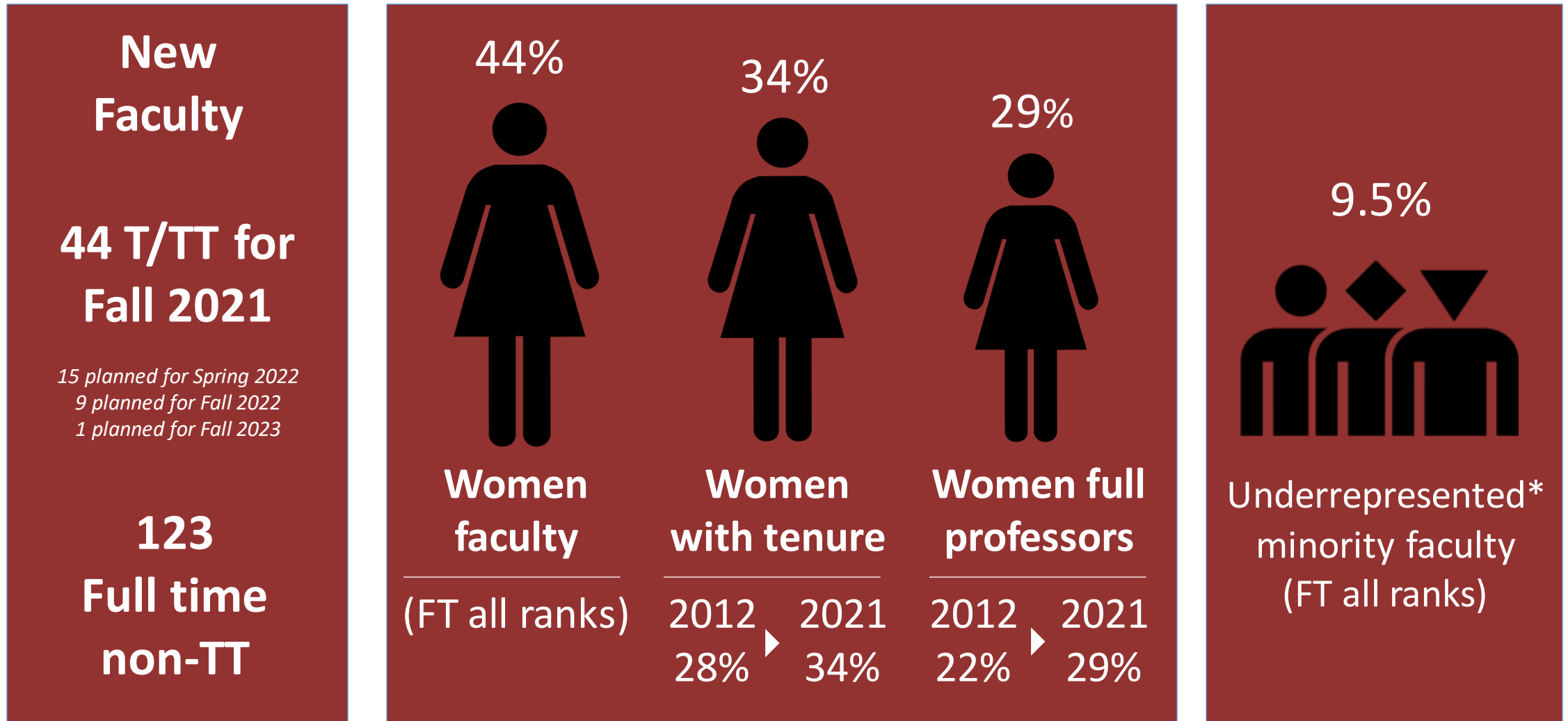
- Research Development has organized a series of workshops to help faculty write more competitive proposals based on the value creation methodology below, as well as specific 1:1 coaching for faculty and teams
- Need, Approach, Benefits/Costs, Competition
- Early successes include a \$4M award to the Global Resilience Institute from FEMA, and a \$1.1M award to Professor Taskin Padir for his work on automating PPE testing during the COVID-19 pandemic



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FACULTY

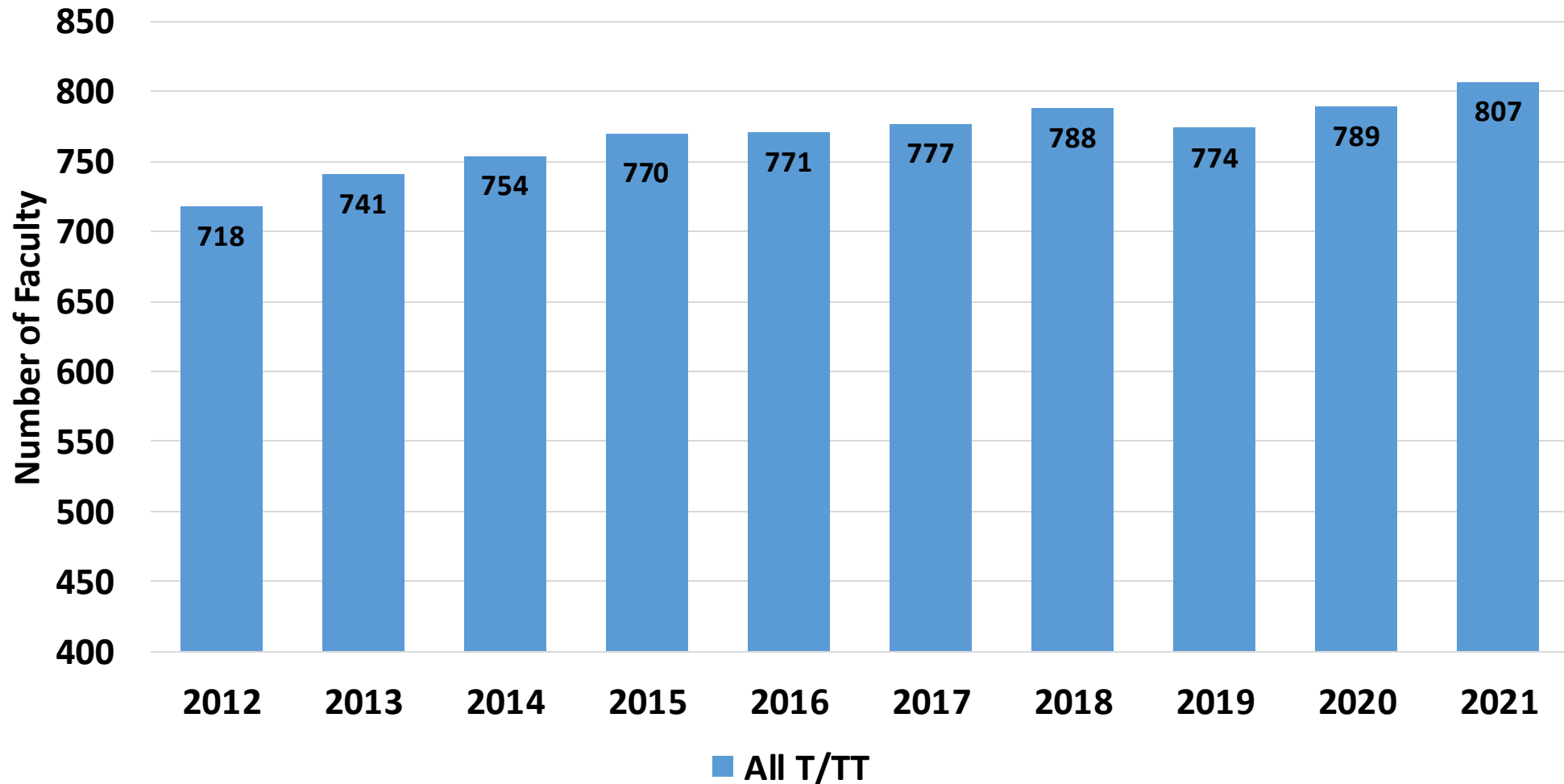
# Faculty Profile – Fall 2021



\*Excludes international faculty and race/ethnicity unknown

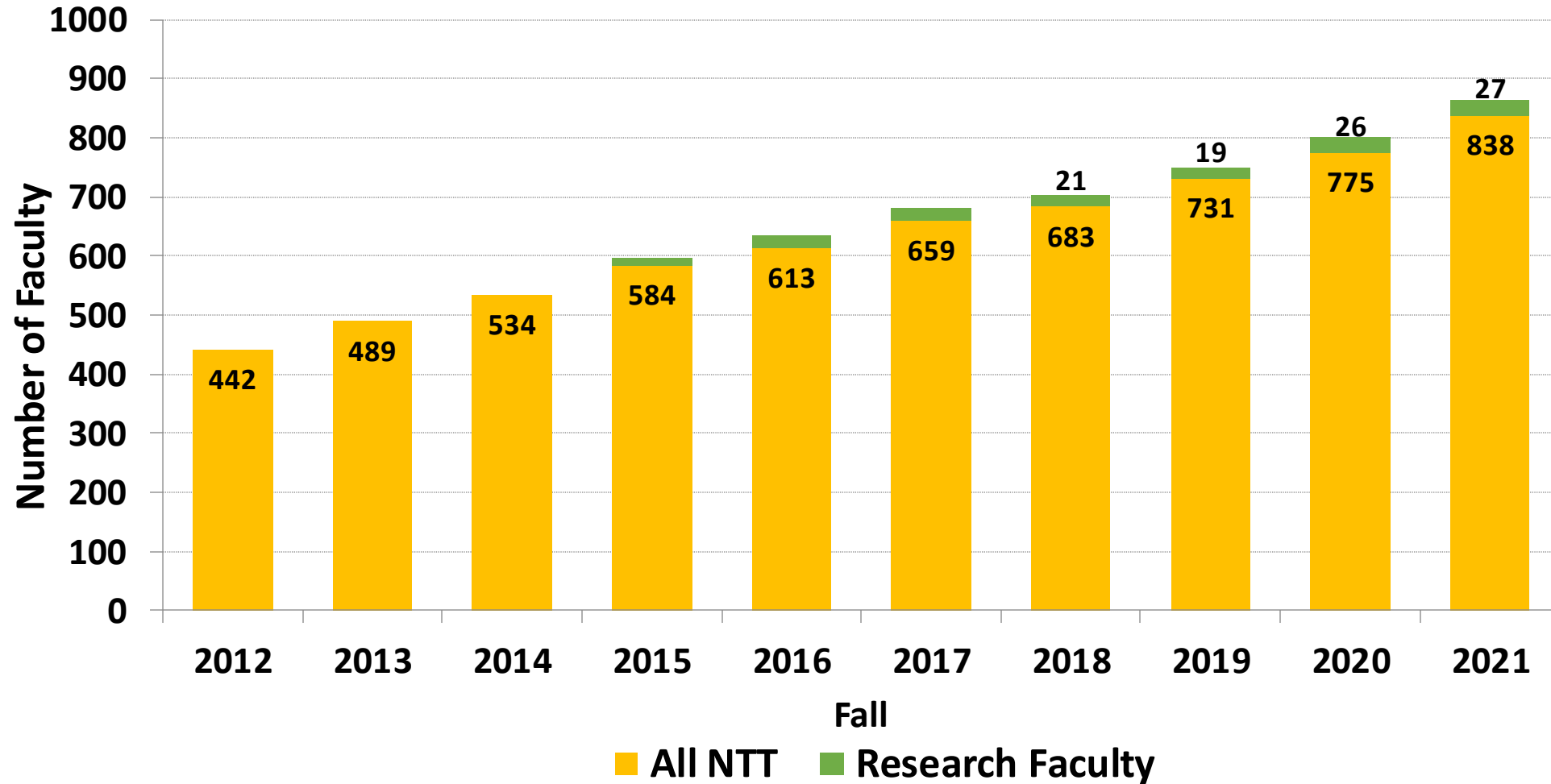
# Faculty: Full Time T&TT Faculty Growth

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# Faculty: Full Time NTT Faculty Growth

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LVX  
VERITAS  
VIRTUS

