



MORGAN

CLARKSON
TYLER HALL

Our Core Values

- Leadership
- Innovation
- Integrity
- Diversity
- Excellence
- Respect



Morgan State University is the premier public urban research university in Maryland, known for excellence in teaching, intensive research, effective public service and community engagement. Morgan prepares diverse and competitive graduates for success in a global, interdependent society.

VISION STATEMENT



FIVE GOALS - TEN YEARS

- Goal 1** **Enhancing Student Success**
- Goal 2** **Enhancing Morgan's Status as a Doctoral Research University**
- Goal 3** **Improving and Sustaining Morgan's Infrastructure and Operational Processes**
- Goal 4** **Growing Morgan's Resources**
- Goal 5** **Engaging with the Community**



State of Maryland Rankings

BACHELOR DEGREES AWARDED

1 st	Journalism
1 st	Engineering
1 st	Architecture
1 st	Civil Engineering
1 st	Industrial Engineering
1 st	Electrical Engineering
1 st	Finance
1 st	Marketing
2 nd	Chemistry
2 nd	Physics
2 nd	Accounting
3 rd	Biology
2 nd	Total Bachelors



State of Maryland Rankings

MASTERS DEGREES AWARDED

- 1st Architecture
- 2nd Journalism
- 3rd Engineering
- 3rd Total Masters

Doctoral Research Degrees Awarded

- 1st Engineering
- 1st Doctorates



National Rankings

BACHELOR DEGREES AWARDED

2nd	Communication, Journalism and Related Programs
3rd	Architecture and Related Services
3rd	Engineering
5th	Family and Consumer Sciences/Human Sciences
5th	History
7th	Hospitality Administration / Management
11th	Marketing
14th	Finance and Financial Management Services
15th	Accounting & Related Services
17th	Business, Management, Marketing & Related Support Services
18th	All Disciplines Combined
21st	Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing
24th	Business Administration, Management and Operations



National Rankings

MASTERS DEGREES AWARDED

- 5th Architecture and Related Services
- 10th Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing
- 16th Engineering
- 25th Public Administration and Social Service Professions
- 66th All Disciplined Combined

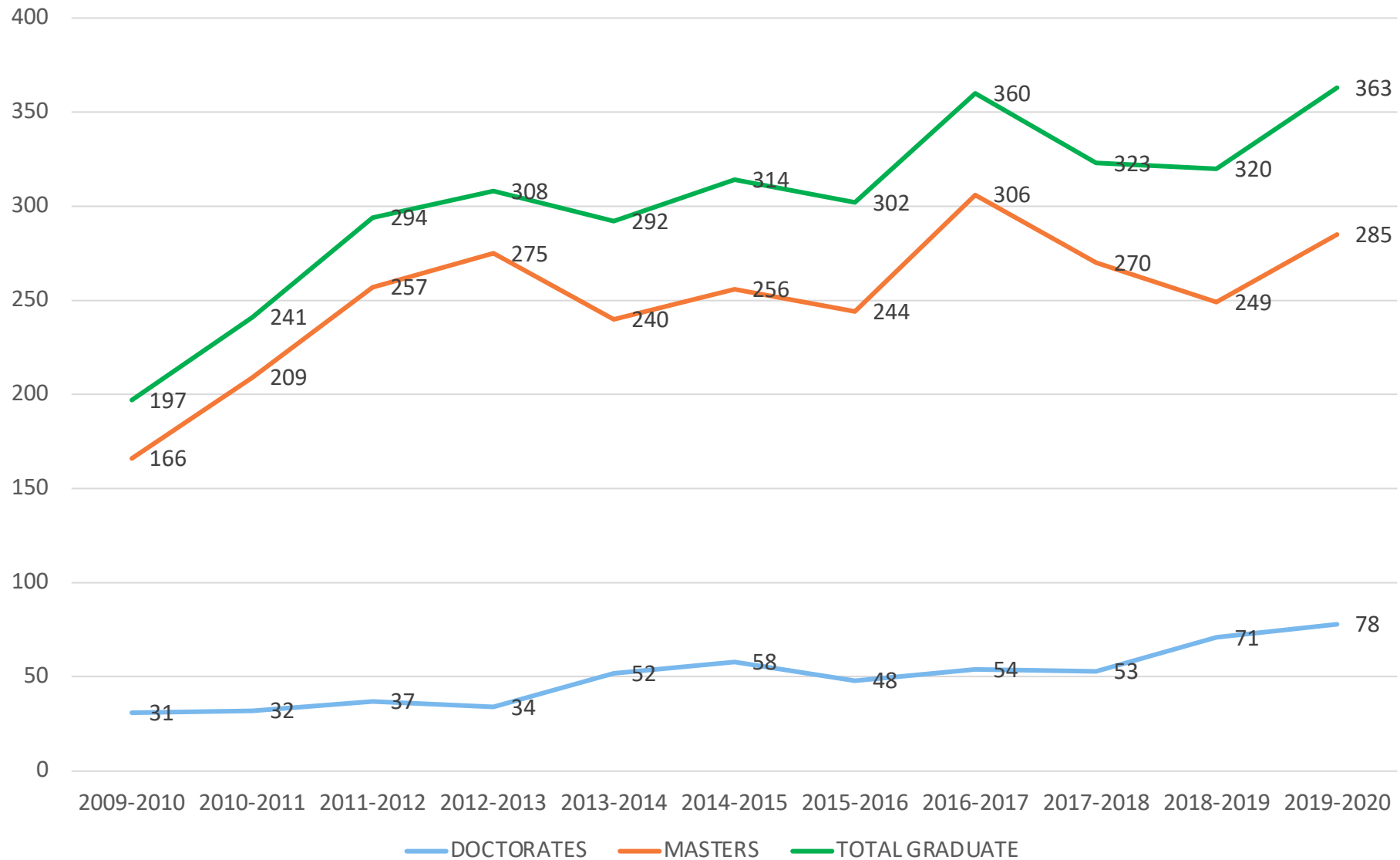
DOCTORAL RESEARCH DEGREES AWARDED

- 9th Engineering
- 16th Health Professions and Related Programs
- 29th All Disciplined Combined



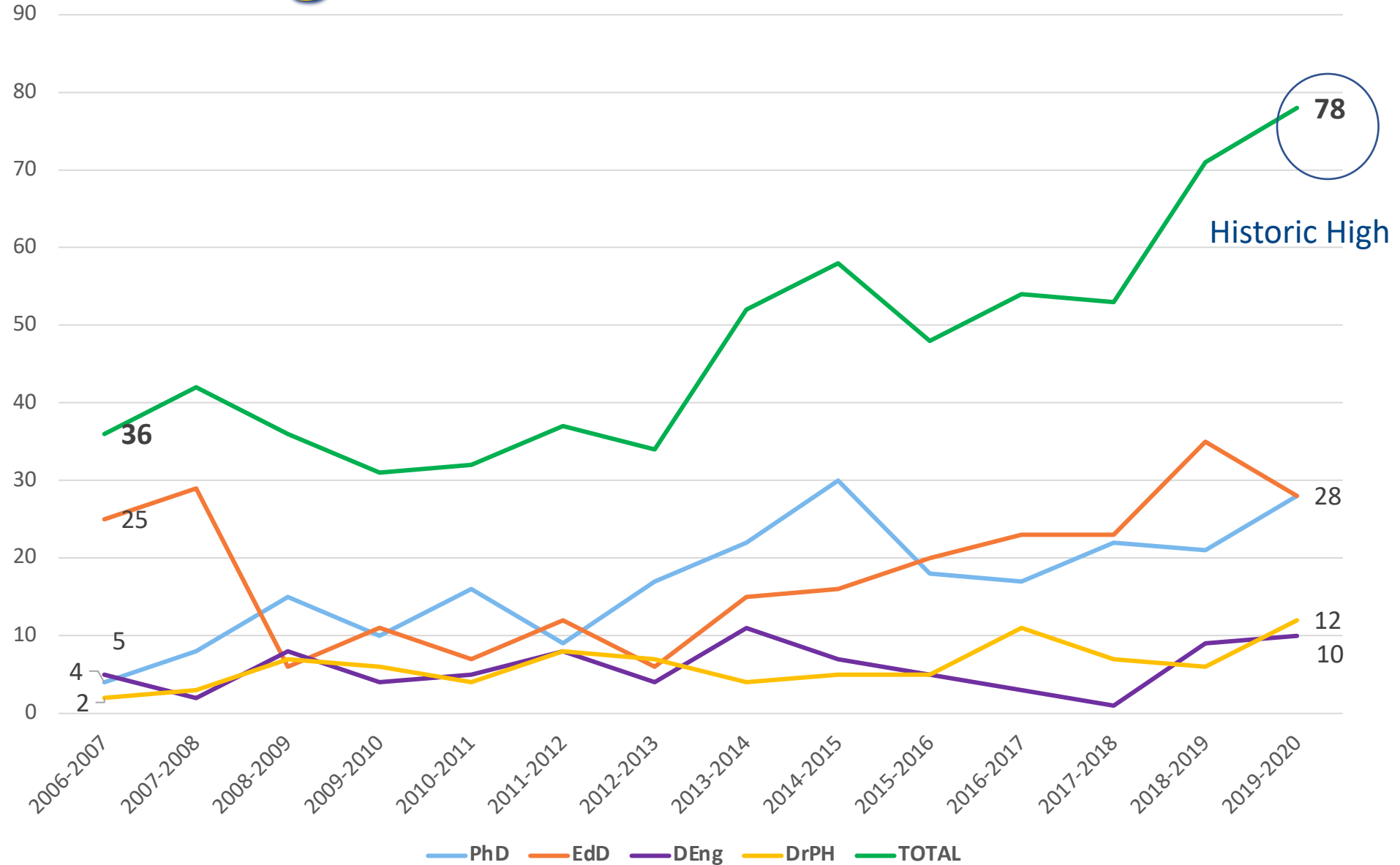


Graduate Degrees Awarded





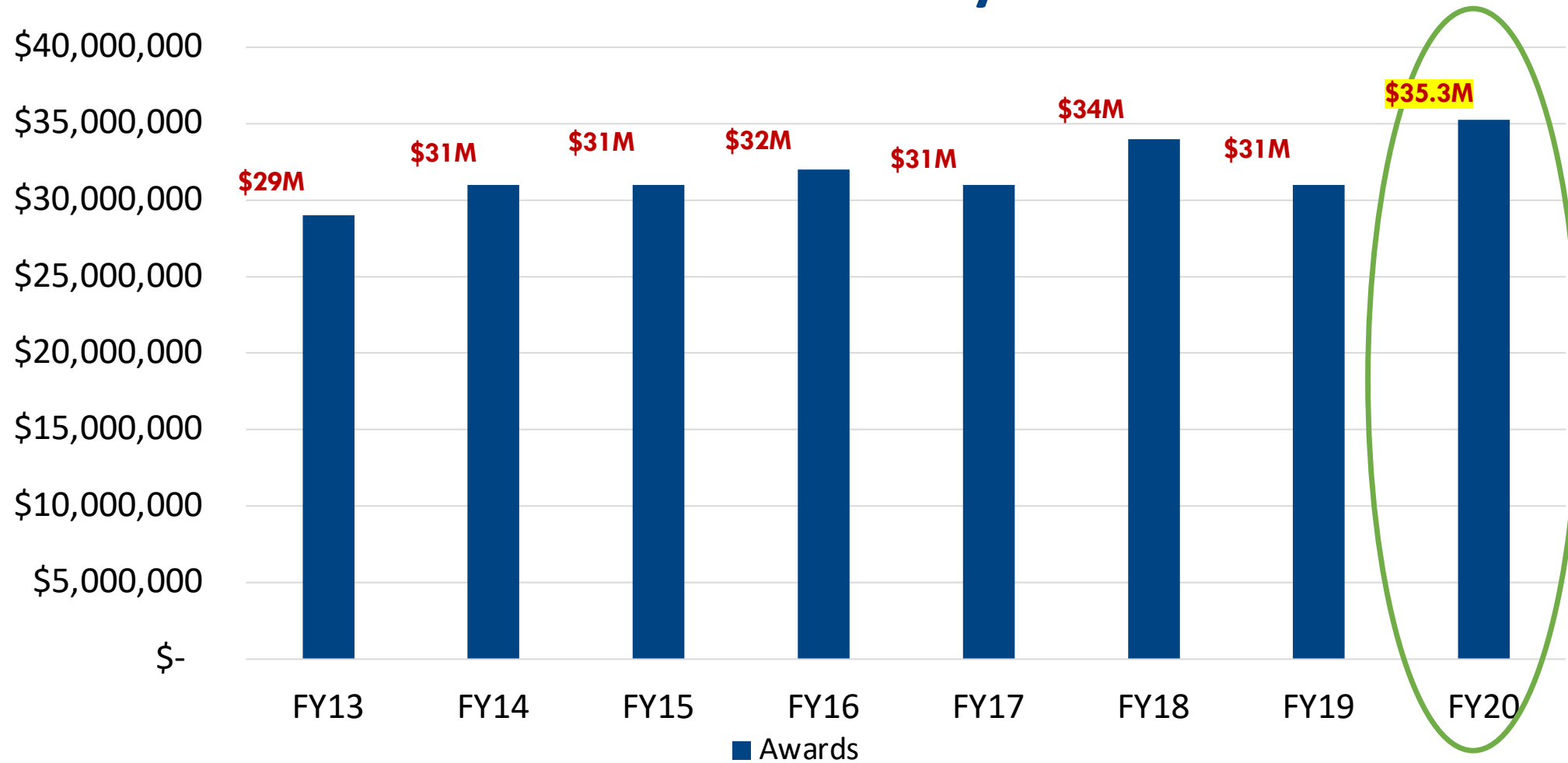
Doctoral Degrees Awarded





Grants, Awards, and Contracts

Awards Income by Year





Positioning Morgan for the Next Decade



GOAL 1	Enhance Student Success and Wellbeing Provide students with a comprehensive education that develops their intellectual, emotional, social, physical, artistic, creative, and spiritual potential.
GOAL 2	Achieve the “Highest” Research Activity Classification (Top-Tier) Morgan will be recognized as a leader in research, consistently ranked among institutions with the “highest” level of research activity.
GOAL 3	Serve as Premier Anchor Institution to Urban Communities Implement a comprehensive model of community engagement that reinforces the University’s urban mission to address and resolve problems experienced by the city of Baltimore and region.
GOAL 4	Expand the Global Footprint Expand and accelerate globalization efforts and the University’s footprint using the current global campus success as a model.



Aspiring to Become an R1 Institution

Morgan FY 2020 Innovation Metrics - Updated 5/1/20

Association of University Technology Managers (AUTM) Metrics for U.S. Research Universities - Calculated per R&D Expenditures

AUTM Performance Metrics			Metric/\$10 Million R&D Expenditures			Comparison	
Innovation and Technology Transfer Output and Outcome Metrics		Morgan 2020 Projections	Morgan	U.S. Research Universities	Maryland Research Universities	Morgan Factor Compared to U.S.	Morgan Factor Compared to Maryland
Output	Intellectual Property Disclosures	27	16.4	3.8	2.8	4.2 X	5.8 X
Output	New U.S. Patent Applications Filed	17	12.7	2.2	1.0	5.7 X	12.7 X
Outcome	Issued U.S. Patents	3	1.8	1.1	0.6	1.7 X	3.0 X
Outcome	Total Tech Transfer Agreements	3	1.8	1.2	0.6	1.5 X	3.0 X
Outcome	New Start up Companies Formed	2	1.2	0.2	0.1	6.0 X	12.0 X

1 Projections based on current Morgan data for FY 2020, and latest Morgan R&D Expenditures of \$16,268,900.

2 Most recent AUTM Metric data available. R&D Expenditures as defined by AUTM - rounded to one decimal place

3 Averages calculated for all 162 U.S. University data; State Averages include JHU, JHU/APL, and USM data; Rounded to one decimal place.



Aspiring to Become an R1 Institution

Putting this
into
perspective!

Innovation Outputs Per \$10 Million of Research Expenditures ¹ Comparison of Selected U.S. R-1 Research Universities		
U.S. Research University (Order per IP Disclosure Rate)	Rate/\$10 Million R&D	
	Intellectual Property Disclosures	New U.S. Patent Applications
Carnegie Mellon University	9.8	3.8
California Institute of Technology	6.3	6.8
Ohio State University	5.2	4.6
Harvard University	5.0	2.8
Stanford University	4.8	2.6
Massachusetts Institute of Technology	4.7	2.6
Georgia Institute of Technology	4.2	4.9
University of Michigan	3.1	1.2
University of Southern California	2.7	1.3
Johns Hopkins University	2.5	0.7
University of North Carolina, Chapel Hill	2.2	1.3
Penn State University	1.8	1.6
Ave. of Selected R-1 Research Universities - 2018	4.4	2.9
AUTM Average (162 Research Universities) - 2018	3.7	2.1
Morgan State University (R-2) - FY 2018	12.9	7.4
Morgan State University FY 2020	20.0	14.8

¹ Tabulated from most recent Association of University Technology Managers (AUTM) 2018 data. The AUTM averages for IP Disclosures and New U.S. Patent Applications do not significantly change year-to-year.

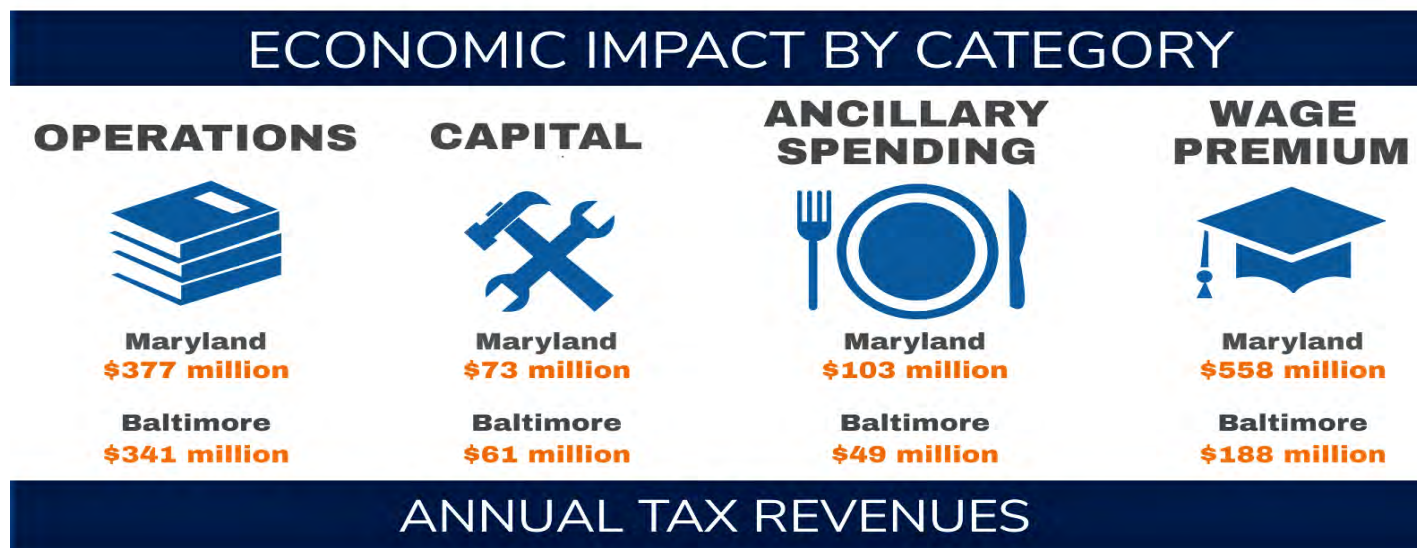
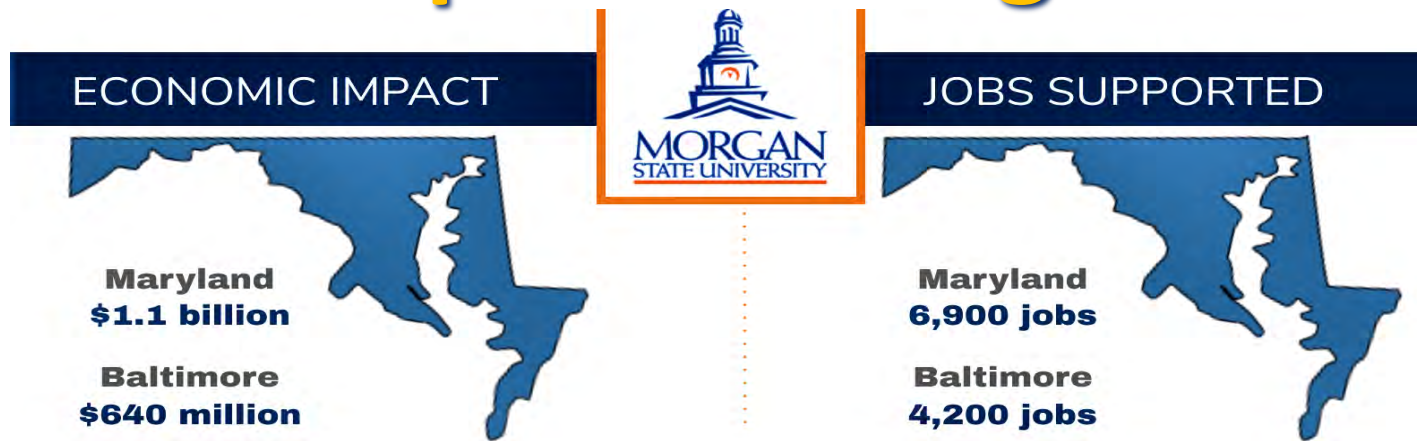


The Economic Impact of Morgan

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The Economic Impact of Morgan



STATE OF MARYLAND
\$53 million



CITY OF BALTIMORE
\$11 million



Record Year in Fundraising!

Mackenzie Scott Gift - \$40 Million

- \$38 million transferred into the Leading the World Endowment Fund.
- \$2 million transferred into The President's Priorities Fund for strategic investments in initiatives and priorities focused on achieving the university's mission.



How are Gifts Invested?



Calvin and Tina Tyler Gift \$20 Million

- To provide 20 full-tuition need-based scholarships for incoming freshmen.
- To provide 20 partial tuition scholarships in amounts up to \$1,000 each annually.





Significant Research Investments



Goddard Earth Sciences Technology And Research

The GESTAR cooperative agreement is a NASA award to the **University Space Research Association (USRA), Morgan State University (MSU) and other partners**. It is a vehicle to bring in world-class scientists and engineers to work with NASA civil servants and peers from other institutions at NASA's Goddard Space Flight Center in Greenbelt, MD.

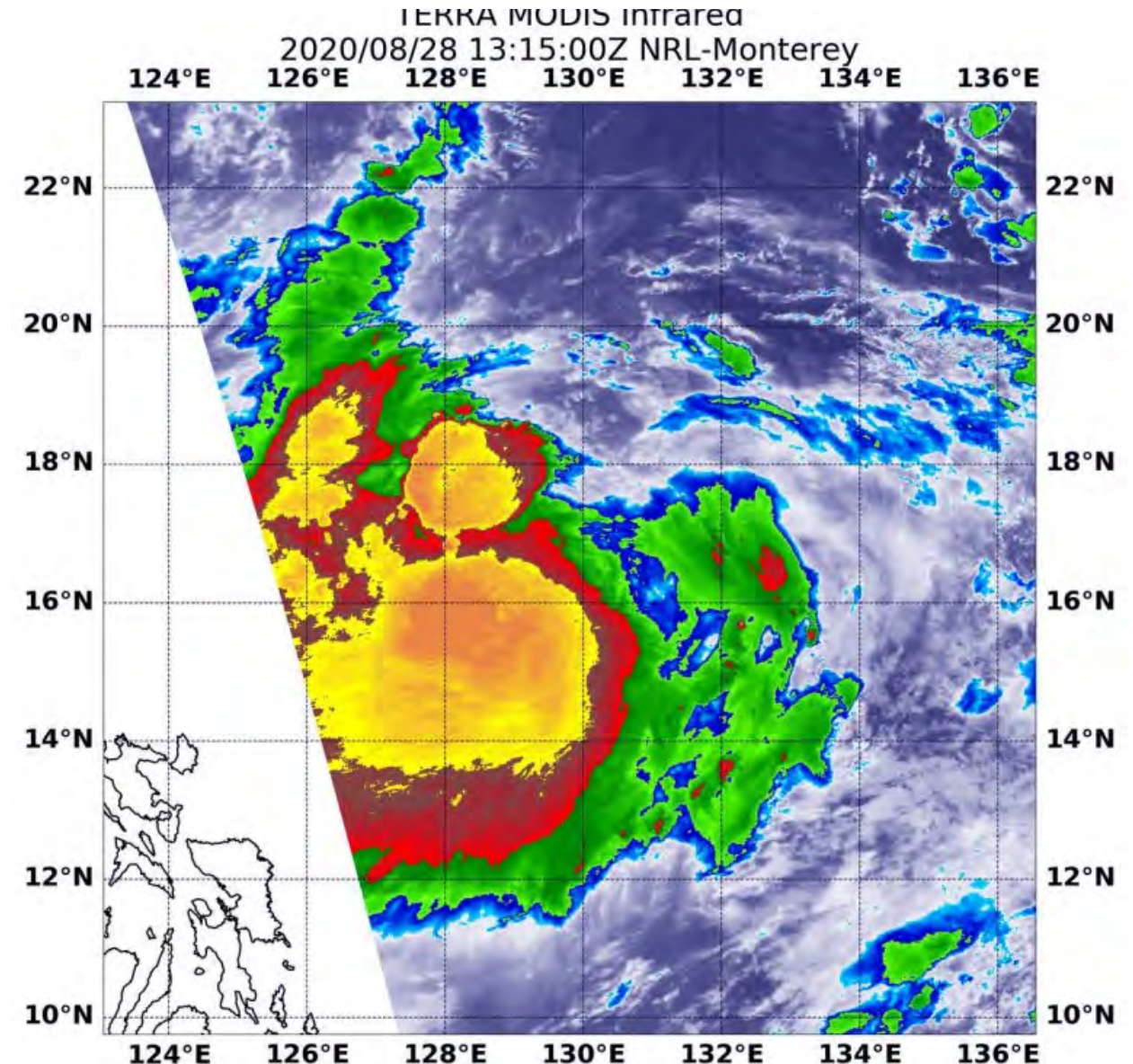
The GESTAR MSU program is currently comprised of 16 Goddard-based scientists and a 2-person program office.

Over ten years the program has brought \$40M in direct funding.



GESTAR Impacts

- 40 PhD research faculty
- 32 Performance Awards from NASA
- More than 100 - peer reviewed publications
- 30 Morgan students conducted 24,000 hours of research
- \$6M in non-GESTAR grants





The Future: GESTAR II

Morgan has partnered with UMBC to compete for the next five years of GESTAR funding.

- 39 research scientists
- \$35M
- Association with a new Earth and Space Sciences minor in Physics.
- 4 funded student researchers
- Integrated program management
- The selection will be announced Friday





RCMI MORGAN

Center for Urban Health Disparities
Research and Innovation

- Research Centers in Minority Institutions
- Congressionally mandated (1985)
- U54 Center: U54MD013376
- NIMHD
- 1 of 18 centers nationally
- 2019-2024
- \$14 million
- PI: Dr. Hongtao Yu, Dean, SCMNS



Entrepreneuria I Mindset

- Leadership
- Innovation
- Ownership
- Strong social interactions
 - Peers
 - Near-peers
 - Faculty
 - Scientific community



Who Are We?



The Student Research Center, partially run by students, is an organization whose purpose is to inspire, empower and cultivate undergraduate health research.

SRC: a Student-Led Organization

- *Students* participated in the design of the physical space
- *Students* wrote the bylaws and formed an executive board
- *Students* registered SRC as a university organization
- *Students* serve as President, Co-President, and Committee Chairs
- *Students* determined the major goals of SRC





SRC's major Goals

- ❑ Leadership development
- ❑ Professional development
 - ❑ Academic success
 - ❑ Graduate-school readiness
- ❑ Research productivity



Why Join?



Plan and conduct a health-related research project exploring your own unique interests.



Expand your critical thinking skills through lab activities, demonstrations, and participation in community research.



Attend on-campus seminars and workshops where you will learn about health research topics.



Attend SRC funded off-campus symposiums and retreats where you will learn from experts in the field.



Collaborate and network with a community of your peers and with other registered student organizations.



Make an impressive addition to your résumé that can help you get into graduate school or find your first job.

ASCEND Scholars



Student Training Core (STC)

Program Director: Jocelyn Turner-Musa, Ph.D.

Co-Program Director: Cleo Hughes-Darden, Ph.D.

ASCEND Scholars

Cohort 1



Cohort 2



Cohort 3

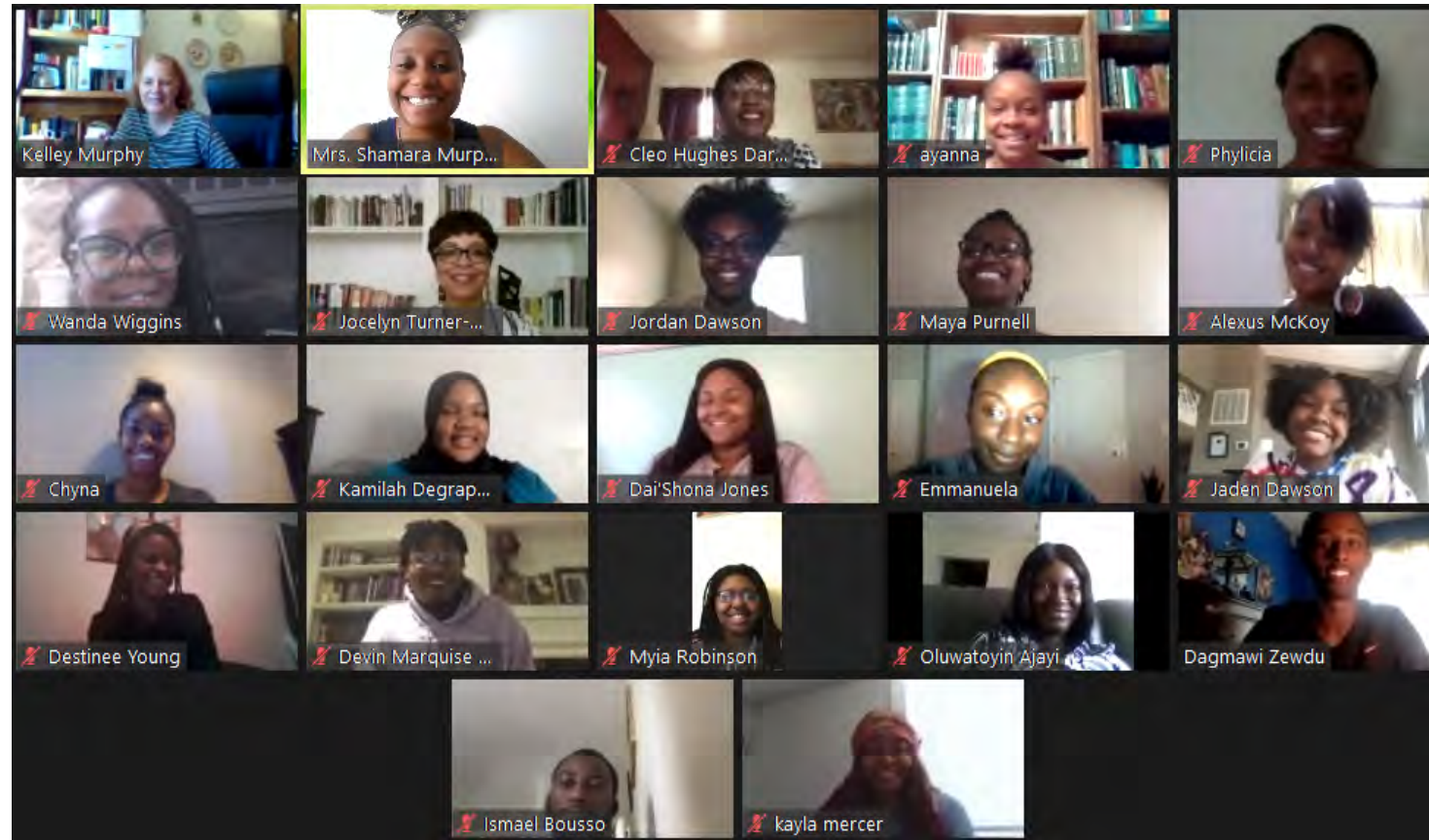


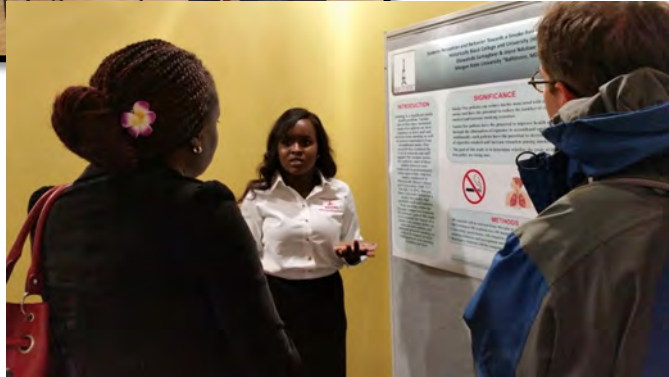
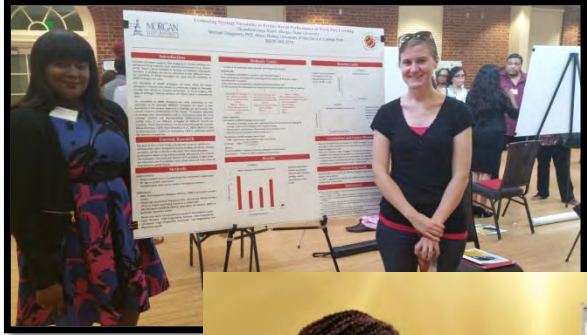
Cohort 4

ASCEND Scholars Cohort 5



ASCEND Scholars Cohort 6





Ascend Scholars program components



ASCEND Scholars Program

- **Two-years of financial support**

- Tuition
- Stipends
- Research Funding
- Travel Funds







Faculty & Institutional Development

- **Investigator Development Core:**

- Grant-writing workshop series (semester-long, novice and intermediate)
- Pilot grants
- Summer Research Mini-Sabbaticals at Partner Institutions
- External Research Funding
- Mentorship Support
- Scientific Productivity
- Networking & Skill Building
- Interdisciplinary Community of Practice

- **Research Infrastructure Core:**

- Animal Research Core (ARC)
- Molecular and Cell Biology Research Core Laboratory (MCB)
- Biostatistics and Bioinformatics Support Unit (BBSU)

- **Community Engagement Core:**

- Community-oriented research
- Morgan State University Community-Aligned Research Solutions (Morgan CARES)
- Space: Hoen Lithograph Building; RCMU funded some of the renovations

- **Recruitment Core:** Hiring a senior faculty member (in process)

- **Administrative Core:** Management, evaluation



Research Projects

- Project 1: Dr. Douglas Dluzen (PI)
 - The relationship between socioeconomic status and poverty and mRNA expression in immune cells
- Project 2: Dr. Payam Sheikhattari (PI)
 - Digitizing a community-based smoking cessation intervention
- Project 3: Dr. Yun-Chi Chen (PI)
 - HIV/HCV-related health disparities in Baltimore: from community to lab bench
- Supplements:
 - Dr. Gharipour (Architecture): Care in Place: Evaluating Vacant and Underused Buildings as Temporary Community Health Clinics to Address Epidemic Disparities using a Health-based Architecture Intervention
 - Dr. Chen: Impact of COVID-19 on HIV/HCV-related health disparity populations in Baltimore