BioArt in the Public Sphere Program
Innovating Carbon Dioxide Capture Technology
Francis M. Letro Moot Courtroom in O'Brian Hall
UB 2020

- Advance UB’s prominence among the world’s best research universities

- Strengthen the impact of our mission—regionally, nationally and globally
"A woman writer thinks back through her mothers."

Victor Hernández Cruz, "Migration is the story."

"It is an ingrained part of my life."
Transforming Our Students’ Education

- Expanded opportunities
  - Global Education
  - Internships
  - Clinical and Entrepreneurial Opportunities
Growing our Inter-professional Education
Transformative Education Results

Rising 4-year graduation rates:

35% in 2005
60% in 2018

Finish in Four:

63% completed degrees within 4 years
A steady upward trajectory

- Freshman applications to UB at all-time high of nearly **31,000** in 2018
- **40%** increase in applications since 2013
- Underrepresented minorities account for **17%** of all UB students in 2019—up nearly **8%** since 2004
- Top 25 for International Enrollment
National Science Foundation Graduate Research Fellowships
National Institutes of Health Medical Research Scholars Program
Esha Chebolu
Barry Goldwater Scholarships
Hannah Seppala  Dennis Fedorishin
Graduate Education

49 new graduate and professional degrees since 2011
Graduate degrees awarded up 23% since 2004
Top 35 national rankings for Schools of:

• Dental Medicine (10th)
• Pharmacy and Pharmaceutical Sciences (22nd)
• Social Work (24th)
• Public Health and Health Professions (31st)
Faculty research metrics:

**TRENDING UP**

**UB research metrics:**

- **Sponsored research (2004-2019):**
  From $129M to $178.4M

- **Scholarly citations (2011-2017):**
  From 110K to 155K

- **National honors (2011-2017):**
  From 398 to 606

![Graphs showing trends in sponsored research and honors & awards](image-url)
Clinical and Translational Science Award: NIH
Women’s Health Initiative: NIH
BioXFEL: NSF Science and Technology Award
Kristin Gainey, Department of Psychology
Distinguished Scientific Award for Early Career Contribution
American Psychological Association
Jorge Gracia, Department of Philosophy

Contributions to the Smithsonian Institution’s Permanent Collection
National Academy of Inventors Fellow
Quanxi Jia, Department of Materials Design and Innovation

Presidential Early Career Award for Scientists and Engineers
Blair Johnson, Department of Exercise and Nutrition Sciences
National Academy of Medicine
Kunle Odunsi, Department of Obstetrics and Gynecology

Academia Europaea
Rodolphe Gasché, Department of Comparative Literature
NSF CAREER Award Recipients
African American Health Disparities Task Force
Artificial Intelligence – Autonomous Vehicles
Climate Change – Melting of the Greenland Ice Sheet
Melting Glaciers and Rising Sea Levels
Exploring Alaskan Mines for Clues about Climate Change
Creating the Educational Environment to Study Climate Change

- Creation of the Department of Environment and Sustainability in the College of Arts and Sciences in 2019
Climate Action - Sustainability

- LEED certified buildings and facilities opened across all three campuses since 2004
- Decreased UB’s overall carbon footprint by 35%
- 100% of the electricity UB uses comes from clean, renewable sources
REV Campus Challenge

North Campus

Plan for Rooftop and Ground Mounted Solar Panels

Expected Completion by end of 2020

*Current Panels Notated by Yellow

**New Panels Highlighted in Blue
REV Campus Challenge

South Campus & Downtown Campuses

Plan for Rooftop and Ground Mounted Solar Panels

Expected Completion by end of 2020

**New Panels Highlighted in Blue
Leading the Way in Climate Action & Sustainability

- UB ranks 3rd in climate action among 250 institutions worldwide by Times Higher Ed.

- UB is among the top 10 colleges in the nation for renewable energy use according to the Environmental Protection Agency.
Improving Access to Higher Education
Collaborating with our Health Care Partners for Healthier Communities

Great Lakes Health

Kaleida Health

UB

University at Buffalo The State University of New York
Leading the Way in Diversity and Inclusion

- Mid-American Conference Diversity & Inclusion Institutional Award in 2018 & 2019

- NCAA and Minority Opportunities Athletic Association 2018 Award for Diversity and Inclusion
Rising in the ranks of the nation’s great research universities


UB has risen **20 spots** over the past eight years

#79 among public & private U.S. universities

UB has risen **10 spots** from last year and **30 spots** over the past eight years
School of Management Global Analytics Competition winners
Engineers Without Borders
University Heights Initiative
Day of Caring
Boldly Buffalo

Greer Hamilton, MSW ’16, BA ’16

Danise Wilson, MPH ’14

The Hamilton-Wilson Student Assistance Fund in Social Work and Public Health
Boldly Buffalo

Atif Zafar, BA ’89, MD ’94

The Atif Zafar Applied Science and Technology Innovative Research (ASTIR) Center
North Campus Groundbreaking - 1967
STATE of the UNIVERSITY 2019