

In 2000, we were excited about the beginning of a new millennium as the echo boom generation enrolled in higher education, adding more than 1 million students since 1990.

Rapid growth was anticipated to continue: projections showed enrollment peaking in 2013 with 4 million additional students representing a potential 26% increase over the coming decade. The assumption of continuous growth – both quantitative and qualitative – drove campus planning. The challenge was to site new building footprints on existing campuses or find additional land for satellite campuses. Public and private institutions were adding capacity based upon significant state funding and enormous growth in donations and endowments fueled by the bull market on Wall Street. Federal funding for research was on the rise. The facilities "arms race" was in full swing with institutions competing to build more elaborate research and student support facilities with attractive amenities. If you did not already have a rock climbing wall, you would soon.

### **PROGRAM**

### The University of North Carolina at Chapel Hill Chapel Hill, North Carolina

The University of North Carolina at Chapel Hill capitalized on a rare combination of state-supported bond bill funding and successful philanthropy to fund sweeping new construction and renovation to accommodate growing enrollment and

address pent-up demand.

19,821,822

11.389.953 GSF

# **PROGRAM**

### **Carnegie Mellon University** Pittsburgh, Pennsylvania

**SCHOOLS AND COLLEGES** including professional programs and liberal arts

Since the conclusion of their East Campus build-out in the late 1990s, Carnegie Mellon University has accommodated rapid increases in graduate enrollment by expanding the campus to the northwest

through new construction and acquisition.

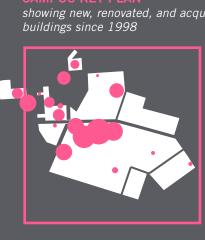
INCREASE IN TOTAL LAND AREA SINCE 1998

5,432,625
TOTAL GROSS SQUARE FOOTAGE (2014)

1998 2014 4,121,863 GSF Delta since 1998: +766,481 GSF

showing new, renovated, and acquired

ouildings since 1998



**CAMPUS KEY PLAN** 

buildings since 2000

showing new, renovated, and acquired

# **PROGRAM**

### **Hobart and William Smith Colleges** Geneva, New York

**COORDINATE COLLEGES** offering liberal arts programs for men and women

THE STORY Hobart and William Smith Colleges offer a Since 2000, they achieved strategically planned enrollment growth more rapidly than anticipated and simultaneously

distinctive residential college environment. increased the percentage of students living on campus through a combination of new construction and acquisition.

**BEDS ADDED TO CAMPUS SINCE 2000** 

1,498,235





# 2014 **COMPARING CAMPUSES**

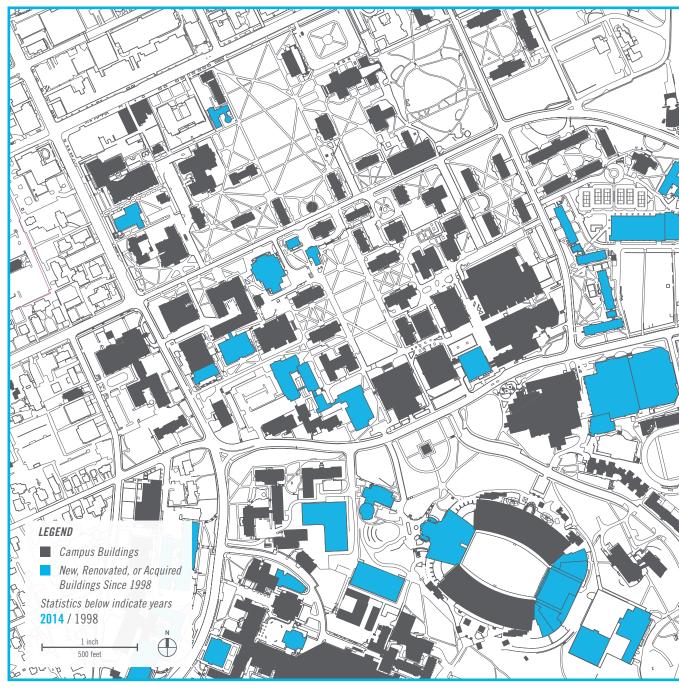
Higher Education Then & Now

This year's poster compares differences in physical planning at 3 institutions where Ayers Saint Gross completed campus plans between 2000 and 2014. During that time, higher education went through rapid growth driven by enrollment of the echo boom generation followed by a sudden deceleration brought on by the global recession. Physical planning has evolved along with higher education as a whole. How have these 3 unique institutions responded to changes in Program, Place, and People?

Over the past 15 years Avers Saint Gross has been gathering broad data on the physical characteristics of campuses. The collection now exceeds 200 campuses and is available on our website at www.asg-architects.com. Our thanks to The University of North Carolina at Chapel Hill, Carnegie Mellon University, and Hobart and William Smith Colleges for allowing the use of information about their institutions.

Ayers Saint Gross · Baltimore, Maryland · Phone: 410 347 8500 · E-mail: jwheeler@asg-architects.com © 2014 Avers Saint Gross, Concept: Jim Wheeler, Luanne Greene Content: Andrew Casavant, Sally Chinnis, Glenn Neighbors, Sarah Riedel, Amelle Schultz Design; Jillian Erhardt, Lindsay Story

### PLACE

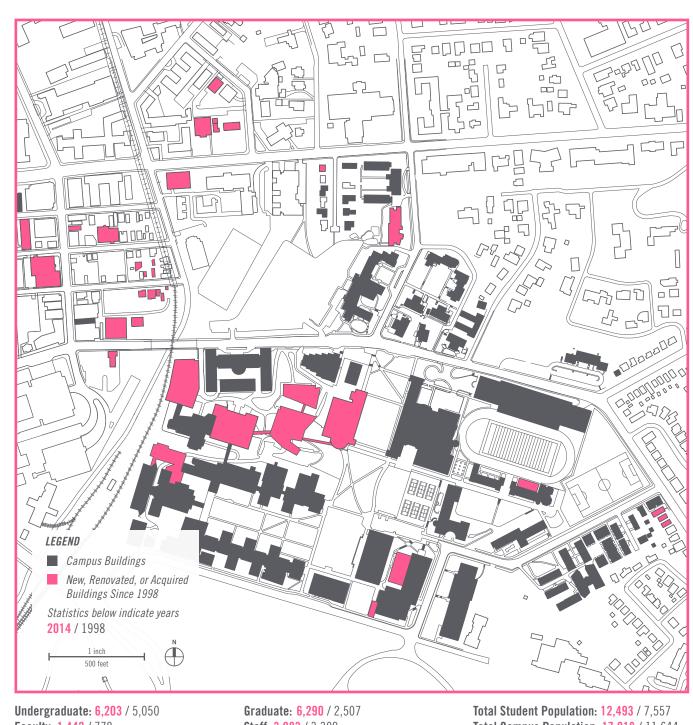


**Undergraduate: 18,370** / 15,400 Faculty: 3,696 / 2,420 **Undergraduate Housing: 8,500** / 7,106 **Buildings (GSF): 19,821,822** / 11,389,953

**Graduate: 10,757** / 8,780 **Staff: 8,287** / 6,567 **Graduate/Married Housing: 120** / 306 Land (Acres): **729** / 576

Total Student Population: 29,127 / 24,180 **Total Campus Population: 41,110** / 33,167 Faculty Housing: 0 / 0 Parking (Spaces): 19,178 / 16,210

### **PLACE**



Faculty: 1,442 / 778 Undergraduate Housing: 4,000 / 3,611 **Buildings (GSF): 5,432,625** / 4,121,863

**Staff: 3,983** / 3,309 **Graduate/Married Housing: 0** / 0 **Land (Acres): 147** / 103

**Total Campus Population: 17,918** / 11,644 Faculty Housing: 0 / 0 Parking (Spaces): 3,344 / 2,742

# **PLACE**



**Undergraduate: 2,300** / 1,850 Faculty: 228 / 168 **Undergraduate Housing: 2,006** / 1,509

**Staff: 656** / 452 **Graduate/Married Housing: 0** / 0 **Buildings (GSF): 1,498,235** / 1,280,000 **Land (Acres): 195** / 180

**Total Student Population: 2,300** / 1,850 **Graduate: 0** / 0 Total Campus Population: 3,184 / 2,470 Faculty Housing: 0 / 0 Parking (Spaces): 1,764 / 1,165

Today's world reflects 14 years of significant change. Planning for higher education has adopted the mantras of high performance, greater efficiency, and smart utilization.

New technology and educational paradigms are generating excitement, but the Great Recession has had real impacts. Federal and state funding and endowments have decreased, unemployment has significantly impacted college graduates, tuition and student debt are major concerns, and remote learning is challenging traditional, place-based education. These issues have led to an era of uncertainty about the future of the physical campus. The facilities "arms race" has cooled off, but student life amenities remain a competitive issue and institutions are working to create living-learning environments. Faculty are retiring in record numbers, pressuring recruitment and retention. Academic facilities are being modernized to address a new era of deferred maintenance and the demands of modern scholarship. Physical plans assume limited growth, are smaller scale and more tactical, and address shorter time horizons.

### PEOPLE

29,127

AND STAFF

Present Population: 11,983

**OF UNDERGRADUATES** LIVE ON CAMPUS Present Bed Total: 8,500

> SPACES PER STUDENT

**PEOPLE** 

Total Parking Spaces: 19,178

🦰 300 Students 📋 300 Faculty Members 🚍 300 Beds 😝 300 Parking Spaces 🔵 Added Since 1998 🌑 Total in 1998

12,493

Present Population: 12,493

**INCREASE IN FACULTY AND STAFF** 

Present Population: 5,425

OF UNDERGRADUATES LIVE ON CAMPUS Present Bed Total: 4,104

CHANGE IN PARKING SPACES PER STUDENT Total Parking Spaces: 3,344

🍰 300 Students 🎃 300 Faculty Members 🚍 300 Beds 😝 300 Parking Spaces 🛑 Added Since 1998 🕟 Total in 1998 **PEOPLE** 

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2,300

24%

EEEEEE.

**INCREASE IN UNDERGRADUATES** Present Population: 2,300
Delta since 2000: +450

**HOBART AND WILLIAM SMITH COLLEGES HAVE UNDERGRADUATE** 

**AND STAFF** 

Present Population: 884

**OF UNDERGRADUATES** LIVE ON CAMPUS (Increased from 82% in 2000) Present Bed Total: 2,006

**CHANGE IN PARKING** SPACES PER STUDENT Total Parking Spaces: 1,764

🍰 300 Students 🌎 300 Faculty Members 🚍 300 Beds 🦙 300 Parking Spaces 🛑 Added Since 2000 🌑 Total in 2000