

# SUNY'S Impact on New York's Congressional District 1

# 2009

Prepared for  
Representative  
Timothy H. Bishop  
District  
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Stony Brook University has exceptional strength in the sciences, mathematics, humanities, fine arts, social sciences, marine sciences, engineering and health professions. Stony Brook was selected as the site for the New York State Center of Excellence in Wireless and Information Technologies. A member of the prestigious Association of American Universities, Stony Brook is one of 10 universities given a National Science Foundation recognition award for integrating research and undergraduate education. Stony Brook research generated 18 patents in FY 2005. The campus also signed 51 licensing agreements and earned more than \$12.5 million in royalties from inventions. Stony Brook University's intellectual property and incubation and economic development programs have fostered the development of dozens of new technology ventures, employing hundreds of Long Islanders, that last year earned corporate revenues exceeding \$100 million.

Suffolk County Community College is the largest community college in the SUNY system. It has 480 full-time faculty and offers degree and certificate programs in business; communications and the arts; computing; health, community and human services; liberal arts/university parallel; and technical, scientific and engineering studies. SCCC is one of the leading community colleges in the nation in producing Phi Theta Kappa Academic All-Americans.

## District Impact Summary

### Human Impact

**Students: 46,830**

**Employees: 19,107**

**Alumni: 202,279**

**Degrees Since Inception: 239,168**

### Economic Impact

**Total All Funds Expenditures: \$1.8 billion**

**Payroll: \$851 million**

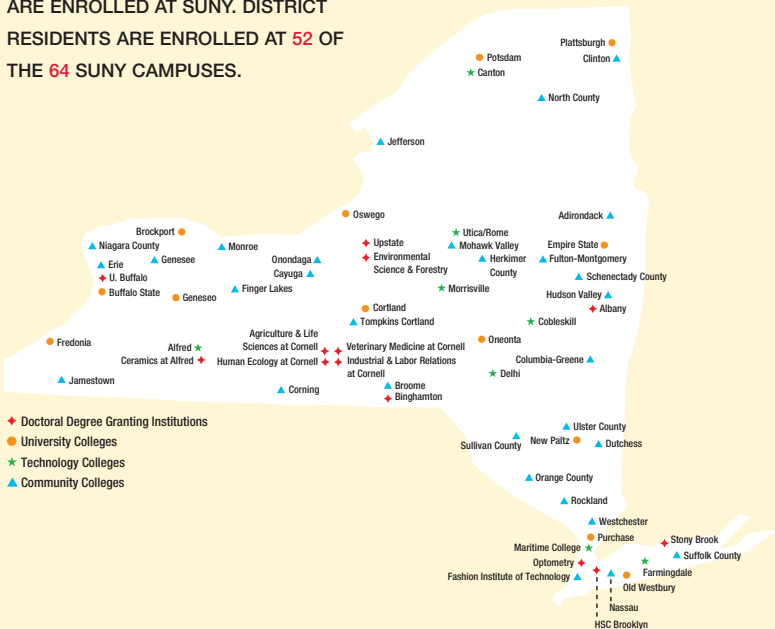
**Capital Construction: \$178.1 million**

**Research and Grant Activity:  
\$268.3 million at Stony Brook University**

*(Source: National Science Foundation, FY 2007)*

*Unless otherwise noted, data is based on information from the State University of New York Office of Institutional Research and Analysis for academic year 2007-2008*

MORE THAN **34,624** DISTRICT RESIDENTS ARE ENROLLED AT SUNY. DISTRICT RESIDENTS ARE ENROLLED AT **52** OF THE **64** SUNY CAMPUSES.



Stony Brook University

- Stony Brook is ranked in the top 100 national universities by *US News & World Report* and in the 2% of universities worldwide by *The Times Higher Education Supplement*.



## SUNY's Impact on Long Island

With combined total expenditures of \$2.245 billion per year, the five SUNY campuses located in Nassau and Suffolk counties: Stony Brook University, Old Westbury, Farmingdale State College and Nassau and Suffolk County Community Colleges, provide key economic development resources for Long Island. These colleges have capital construction budgets of \$213 million and attract millions of dollars of research funds in the areas of wireless internet and information technology, biotechnology, engineering, cyber security, biodefense, small business development, public safety, medicine, workforce development and other areas. They enroll 81,700 students, employ 23,682 faculty and staff, and grant more than 13,815 degrees annually.

## Long Island Impact Summary

Campuses: 5  
Enrollment: 81,700  
Alumni: 415,468  
Employees: 23,682  
Degrees Since Inception: 491,234  
Total All Funds Expenditures: \$2.245 billion  
Payroll: \$1.1 billion  
Capital Construction: \$213 million  
Research and Grant Activity: \$268.3 million at Stony Brook University  
(Source: Research Foundation, SUNY, FY 2007-2008)

Unless otherwise noted, data is based on information from the SUNY Office of Institutional Research and Analysis for academic year 2007-2008

## SUNY Campuses on Long Island Place High in National and International Rankings

- **Kiplinger's Personal Finance**
  - 2008-Stony Brook ranked 39th on the list of *100 Best Values* in public colleges.
- **U.S. News & World Report**
  - 2008-SUNY Old Westbury ranked 2nd in the category of most diverse liberal arts school, 18th among 265 national liberal arts colleges with the least debt among its graduates, and 2nd most racially diverse.
  - 2008-Stony Brook University ranked 45th in the *Top 50 Best Public National Universities*, 96th in *Best National Universities*, 127th in the *Top 200 World's Best Colleges and Universities*, and 57th among the *Best Engineering Schools*.
  - 2001-Farmingdale State's program in Engineering Technologies was cited among the best.
- Robert Aumann, a part-time faculty member at Stony Brook, was awarded the Nobel prize in Economics in 2005. Paul Lauterbur earned the 2003 Nobel prize in medicine for the pioneering work on the development of Magnetic Resonance Imaging (MRI) he did at Stony Brook.

## Other SUNY Resources on Long Island

- **Empire State College** provides undergraduate and graduate degrees through three regional centers and units located on Long Island, Hauppauge, Old Westbury, and Riverhead.
- **Center of Excellence in Wireless and Information Technology** at Stony Brook is mandated to sustain and enhance global leadership for New York in the ongoing information technology revolution, focusing on new wireless technologies, networking, software systems and architectures, and communication devices and infrastructure, and applications for the healthcare, transportation and m-commerce sectors.
- The **CAT in Medical Biotechnology** at Stony Brook University is involved in the discovery, development, translation and commercialization of promising biotechnology resulting from academic research centers around New York State. The Center identifies commercially promising technologies that will lead to accelerated product development cycles, increased corporate revenues, or new company formation.
- The **Center for Advanced Technology in Sensor Systems** at Stony Brook University provides an organizational framework and intellectual and material resources for industry-university research collaborations to develop infrared, optical, x-ray, magnetic, and MEMS-based and superconducting electronic sensor technologies for applications including homeland security and national defense, clinical care and biomedical research, and mobile systems.
- The **STAR Center in Biomolecular Diagnostics and Therapeutics** at Stony Brook will be a state-of-the-art enterprise dedicated to discovery-based research and technology development in the areas of functional genomics instrumentation, gene discovery, drug design and delivery, and smart micro- and nano-based biomaterials and biosensors.
- Old Westbury is a hub of **mathematics education** on Long Island. It is the home of the prestigious Institute of Creative Problem Solving for Gifted and Talented Students, the successful Long Island Mathematics Conference and the Institute of Leadership Development for Teaching Mathematics and Technology. Combined, these programs provide in-service training for more than 500 teachers annually.
- **Brookhaven Science Associates, LLC (BSA)** is a limited liability company formed by Battelle Memorial Institute and the Research Foundation on behalf of Stony Brook to operate the world-famous Brookhaven National Laboratory. The partnership gives Stony Brook, the largest institutional scientific user of Brookhaven, greater access to its facilities and staff, 600 research programs and the more than 4,000 visiting scientists from around the world who are conducting research in fields ranging from high energy physics to medicine to environmental science.
- **Broad Hollow Bioscience Park**, developed on the campus of Farmingdale State College in conjunction with Cold Spring Harbor Laboratory, nurtures young biotech firms.
- **Calverton Business Incubator** is managed by Stony Brook University and, reflecting the traditional strengths of the East End of Long Island, will nurture the development of new agriculture, aquaculture, and environmental technologies.
- The **Long Island High Technology Incubator (LIHTI)**, located on the Stony Brook campus, is New York's most successful incubator.
- The **Stony Brook Software Incubator** provides an ideal setting for the start-up and successful growth of the next generation of software developers and manufacturers.
- Through the **NYS Small Business Development Center**, SUNY administers five campus-based regional and outreach centers that provide expert management, technical assistance and training to start-up and existing businesses on Long Island. These SBDC's are located at Farmingdale State College, Stony Brook University, Southampton, Brookville, and Patchogue.
- **Sayville Center**. Operating the largest nursing program in the State, Suffolk County Community College has established seven hospital partnerships, attracting over \$7 million to support the education of the region's next generation of nurses.
- **Culinary Arts & Hospitality Center**. Meeting the workforce development needs of the region's tourism and hospitality industries, Suffolk County Community College offers culinary, baking and pastry arts, hotel and resort management in this brand new facility.