The Centers of Excellence (CoE) program was created in 2001 to foster collaboration between the academic research community and the business sector to develop and commercialize new products and technologies, to promote critical private sector investment in emerging high technology fields, and to create and expand technology-related businesses and jobs.

**Center of Excellence in Nanoelectronics and Nanotechnology**  
**SUNY Polytechnic Institute**  
The Center of Excellence in Nanoelectronics and Nanotechnology (CENN) is a world-class, fully-integrated technology deployment, product prototyping, manufacturing support and workforce training resource to enable the next generation of faster, more powerful computer chips. Its portfolio ranges from emerging microprocessor and memory chips to “system-on-a-chip” technologies, including biochips, optoelectronics and photonics devices, and nanosensors for energy and the environment.

**Center of Excellence in Bioinformatics & Life Sciences**  
**University at Buffalo**  
The Center of Excellence in Bioinformatics & Life Sciences specializes in drug design research, computational and three-dimensional visualization, product commercialization and workforce training to address cancer and cardiovascular, infectious and neurodegenerative diseases. The scientific mission complements its economic development charge to facilitate partnerships among government, academia and industry.

**Center of Excellence in Wireless & Information Technology**  
**Stony Brook University**  
The Center of Excellence in Wireless & Information Technology is a next-generation research and educational facility whose vision is four-fold: become recognized as a world leader in wireless technology and IT; conduct first-class interdisciplinary research in the emerging, critical technologies of the information age; address the skilled technology worker shortage; and foster new enterprise development.

**Syracuse Center of Excellence in Environmental and Energy Systems**  
**SUNY College of Environmental Science and Forestry**  
The Syracuse Center of Excellence in Environmental and Energy Systems accelerates the creation of environmental and energy innovations for a sustainable future. The center engages collaborators at 200+ companies and institutions to address global challenges in clean and renewable energy, indoor environmental quality and water resources.

**Center of Excellence in Small Scale Systems Integration and Packaging**  
**Binghamton University**  
The Center of Excellence in Small Scale Systems Integration and Packaging addresses research and development challenges associated with systems integration, electronics packaging, electronics manufacturing and new materials for electronic systems. In partnership with industry, the center also pursues solutions related to energy-efficient electronic systems, solar energy and flexible electronics.
Center of Excellence in Materials Informatics
University at Buffalo
The Center of Excellence in Materials Informatics leverages the University at Buffalo’s strengths in computing and materials science to address a pressing problem facing the U.S. economy: a shortage of advanced materials for new technologies in energy, medical, clean tech, automotive and other industries.

Center of Excellence in Advanced Energy Research
Stony Brook University
The Center of Excellence in Advanced Energy Research combines basic energy science research with wireless information technology, modeling and simulation, testing and evaluation to ensure reliable, economical, and plentiful sources of energy that will support sustained economic development without impairing the natural environment. Areas of research collaboration include batteries and energy storage, solar energy, biofuels, fuel cells, energy harvesting and smart grid solutions, including grid cybersecurity and energy modeling and forecasting.

Center of Excellence in Atmospheric and Environmental Prediction and Innovation
University at Albany
The Center of Excellence in Atmospheric and Environmental Prediction and Innovation at the University at Albany is home to the largest concentration of atmospheric, climate, and environmental researchers in New York State and one of the largest in the nation, with more than 70 highly regarded faculty, researchers and research staff. This resource is helping to strengthen New York’s economy by supporting a bigger weather enterprise presence including federal laboratories, weather service businesses, and greater academic research.

Centers of Excellence at a Glance

<table>
<thead>
<tr>
<th>Center Name</th>
<th>Location</th>
<th>Sector</th>
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April 2017