

Central New York

	Regional totals	% of total in region	Independent Sector state totals
No. of Independent Sector institutions	7		145
Degree Productivity ¹			
Bachelor & graduate degrees, Independent Sector	4,765	51%	127,073
Bachelor's in engineering	88	77%	3,082
Bachelor's in mathematics	64	75%	856
Bachelor's in physical sciences	65	47%	884
Economic Impact ²			
Employees	19,538		360,158
Economic impact (millions)	\$2,522		\$54,296
Payroll (millions)	\$979		\$19,576
Capital construction (millions)	\$128		\$1,637
Student/visitor spending (millions)	\$233		\$3,925
Quality Measures			
2010 National Merit Scholars entering college ³	2		355
Doctoral/Research Universities (Carnegie Classification) ⁴	1		18
U.S. News Top 50 Universities and Liberal Arts Colleges ⁵	1		13
Nobel Laureates ⁶	1		135
National Academy of Sciences members ⁷	1		160
Proven Expertise			
Licensing income ⁸	\$355,877		\$347,706,425
Start-up companies formed ⁸	1		46
Licenses executed ⁸	2		172
Total active licenses ⁸	38		1,298
New patent applications ⁸	24		615
U.S. patents issued ⁸	5		304
National Science Foundation FY2009 ⁹	\$43,454,000		\$3,009,877,000
National Institutes of Health FY2009 ¹⁰	\$4,068,179		\$1,297,720,896

Sources:

1. New York State Education Department, Office of Research and Information Services. Degrees granted are public and Independent Sector, 2008-09.
2. Center for Governmental Research, January 2011.
3. The National Merit Scholarship, <http://www.nationalmerit.org/nmsp.php#entryreq>
4. The Carnegie Classification, <http://classifications.carnegiefoundation.org/>
5. U.S. News university and college rankings 2011, <http://colleges.usnews.rankingsandreviews.com/best-colleges>
6. Nobel Laureates through 2010.
7. National Academy of Sciences, http://www.nasonline.org/site/PageServer?pagename=MEMBERS_Main
8. Commission on Independent Colleges and Universities survey.
9. National Science Foundation, College and University R&D FY2009, data file.
10. National Institutes of Health, http://report.nih.gov/award/trends/State_Congressional/StateOverview.cfm

Independent Sector: Centers of Research, Innovation, and Economic Development Central New York

Institution	Center	Description	Category
Cazenovia College	New York State Center for Equine Business Development (NYSCEBD)	NYSCEBD's leverages the growing equine industry through partnerships between farms, construction companies, fencing companies, heavy equipment retailers, veterinarians, feed and riding equipment suppliers, and convention/training/event planners and higher education. http://www.cazenovia.edu/NYSCEBD	Business Consulting
Syracuse University	CASE (Center for Advanced Systems and Engineering)	Information technology.	Centers for Advanced Technology
Syracuse University	Syracuse Center of Excellence	Renewable energy; indoor air quality; built environments.	Centers of Excellence
Colgate University	Upstate Institute	The Institute at Colgate University connects the university and the regional community to engage students, faculty, staff and residents in research and a reciprocal transfer of knowledge through faculty and student research on Upstate New York; matching students with 20-30 regional community, government or non-profit organizations per year to bolster organizational capacity; opportunities for students to develop community-building skills in co-curricular courses; encouraging growth among partnerships and not-for-profit organizations through a number of programs; and discussion of issues affecting the Upstate region. http://upstate.colgate.edu	Community and Workforce Development
Syracuse University	Kauffmann Foundation Entrepreneurship Initiative	The Foundation awarded \$3 million to SU and five partner universities in 2007 to infuse entrepreneurship in the curriculum that has resulted in more than 160 projects at SU.	Entrepreneurship/Business Acceleration
Syracuse University	CASE	The CASE incubator looks to assist start-up or young technology companies with long-term potential for high growth and profits. The incubator benefits from a rich intellectual and research environment, access to faculty and students, modern offices, and networked computing resources.	Incubator
Syracuse University	Courti Orange Hatchery	The Courti Hatchery, based at the Whitman School of Management, promotes business development by students. Business creation will establish of high-growth companies in New York and nationally.	Incubator
Syracuse University	South Side Innovation Center (SSIC)	SSIC provides office space and equipment for new ventures. Located in a modern facility in Syracuse's South Side, SSIC hosts training programs, provides advice on business plans, and access to mentors and professional contact.	Incubator
Syracuse University	Syracuse Technology Garden	The Garden is accepting applications from early stage, high-growth technology businesses. Partnerships deliver access to leading business and technical service providers and arrangements with universities and colleges to recruit the best and brightest talent in the area.	Incubator
Syracuse University	Blue Highway	Blue Highway is a new technology incubator formed in partnership with Syracuse University and New York State. Blue Highway is a wholly owned subsidiary of Welch Allyn, Inc. a manufacturer of frontline medical products and solutions based in Skaneateles Falls. The incubator focuses on healthcare technologies for Welch Allyn and other potential partners. http://www.blue-highway.com/bluehighway.aspx	Incubator
Syracuse University	New York STAR Center for Environmental Quality Systems	A consortium of 11 research organizations that have joined forces to create the New York STAR Center for Environmental Quality Systems at Syracuse University to be a catalyst for research and development collaborations among more than 100 researchers in environmental quality systems.	Strategically Targeted Academic Research Centers

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Syracuse University	Office of Technology Transfer and Industrial Development at Syracuse University	One goal of the Office of Technology Transfer and Industrial Development at Syracuse University is to license SU-grown intellectual property to commercial partners. http://techtransfer.syr.edu/	Technology Transfer
Syracuse University	EnSPIRE Seed Grant	The Provosts of Syracuse University and the SUNY College of Environmental Science and Forestry announce a seed-grant program to encourage the development of multi-disciplinary, collaborative projects in the broadly defined area of environmental research. Seed grants of up to \$25,000 are available for faculty teams who wish to conduct preliminary studies on interdisciplinary topics in environmental studies, leading to the development of more extensive proposals for external funding. http://enspire.syr.edu	Venture Fund

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Below are just a few examples of how independent (private, not-for-profit) colleges and universities nurture startup companies, provide valuable expertise to private sector businesses, and harness intellectual property that helps to generate new products and ideas that create economic vitality throughout the State.

Start-Up Companies

WebWisdom (www.webwisdom.com) provides Web-based products for person-to-person communication over the Internet in real time. One application is distance learning. In brief: privately held; spun out from **Syracuse University's** Northeast Parallel Architectures Center in 1998.

Definitions:

Start-Up Companies – A new company created at a college or university.

Start-Up Companies/Licensees – A new company created to commercialize and take to market an innovation(s) arising from college and university R&D.

Research Partnerships – Public-private partnerships between a college or university and a private company.

Licensees – Companies licensing R&D technologies.