University at Buffalo The State University of New York

SCHOOL OF ARCHITECTURE AND PLANNING

REGIONAL INSTITUTE
URBAN DESIGN PROJECT

Filling the Skills Gap: Pathways to Manufacturing Careers Case Study Forum

Current Local Manufacturing Challenges and Opportunities

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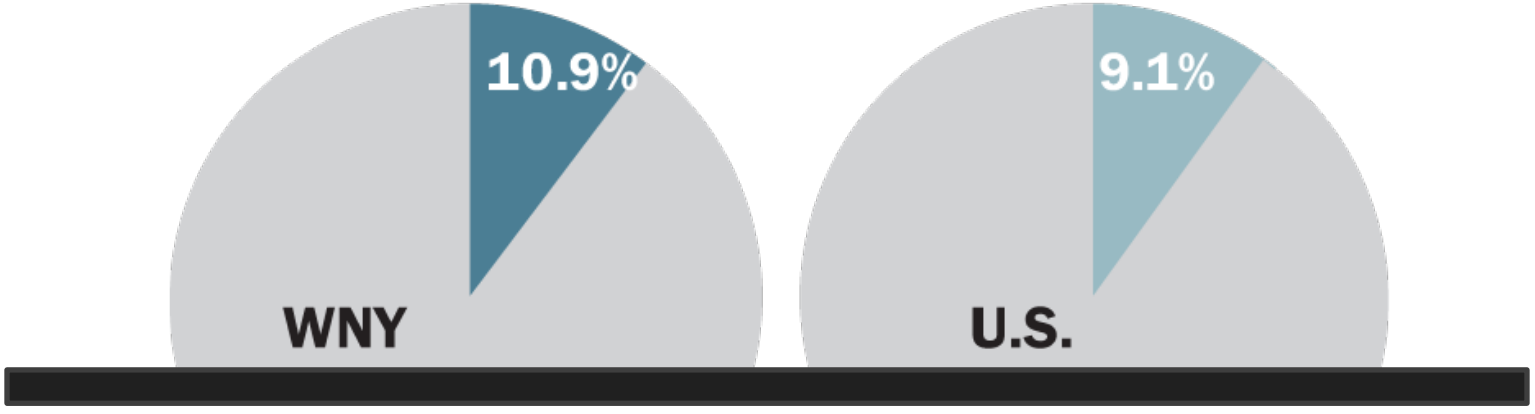
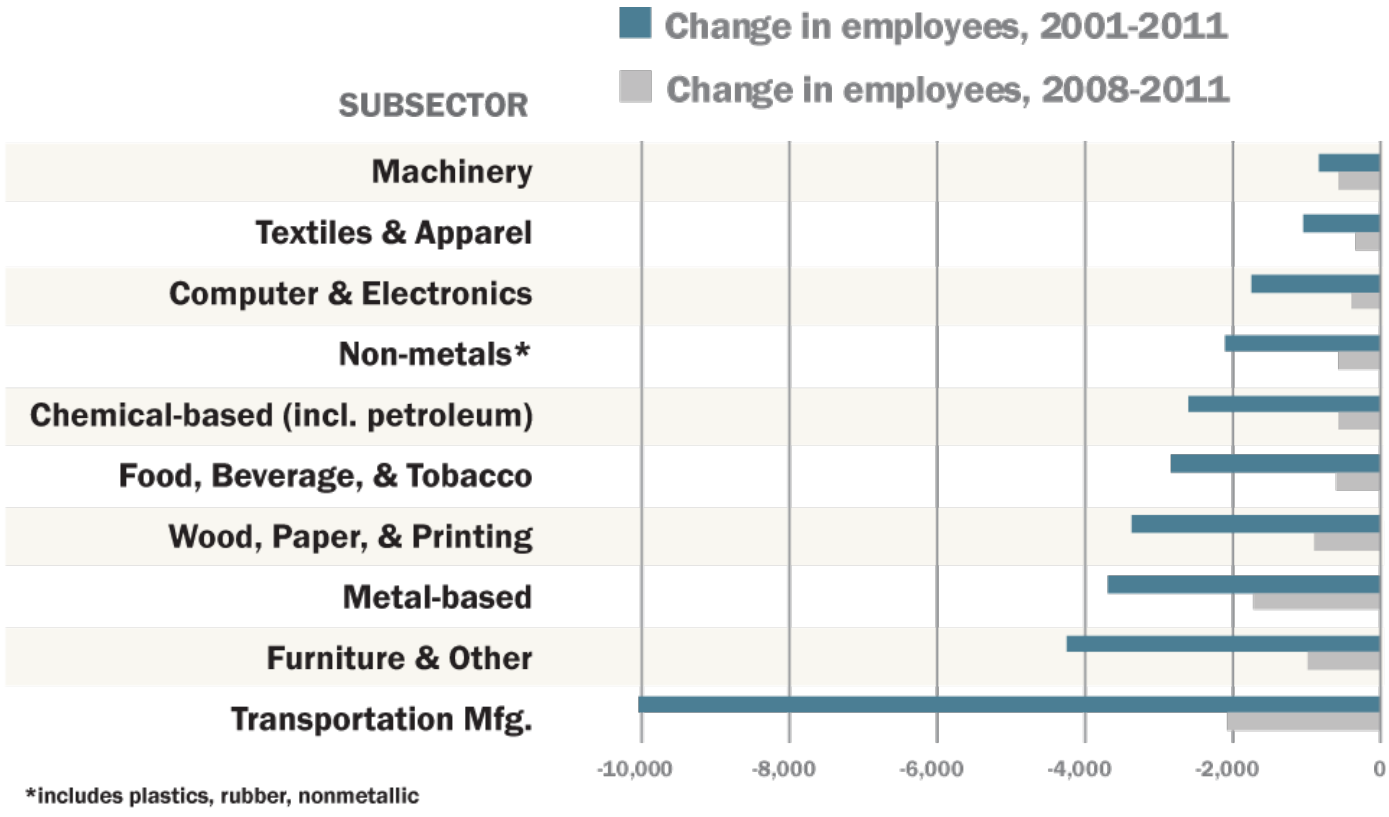
Manufacturing continues to play a key role in WNY, accounting for one out of every nine jobs in the region.

Manufacturing employment as a share of total economy in...



Source: New York State Department of Labor, Quarterly Census of Employment, 2011, U.S. Bureau of Labor Statistics, 2011, Employment by Industry.

Regional manufacturers have continued to significantly cut back



*includes plastics, rubber, nonmetallic

Source: New York State Department of Labor, Quarterly Census of Employment, 2001-2011

Mid to higher level skills required by manufacturing employers

Source: Skills by occupation from the O*NET Database were used to assess what higher level skills are needed by jobs that account for 1% of more of manufacturing employment.

Fewer than 2,000 graduates a year earn a certificate or degree in a manufacturing-related field

	Certificates	Associate's	Bachelor's	Master's	Doctoral/ Professional	TOTAL '10-'11
Engineering and Related Technologies	24	299	688	353	62	**1,426**
Mechanic and Repair Technologies	17	207	0	0	17	**224**
Construction Trades and Production	56	160	25	0	56	**241**

Source: These degrees include those issued by the four area community colleges (Erie Community College, Niagara Community College, Genesee Community College and Jamestown Community College) and the five colleges in the region that offer degrees in these fields. These include Buffalo State, University at Buffalo, Alfred State, Alfred University and ITT Technical Institute.