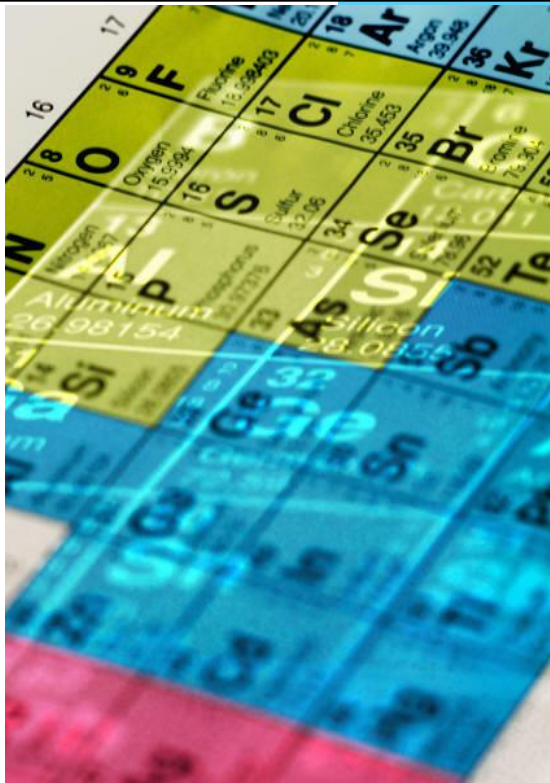


County Profiles: Manufacturing

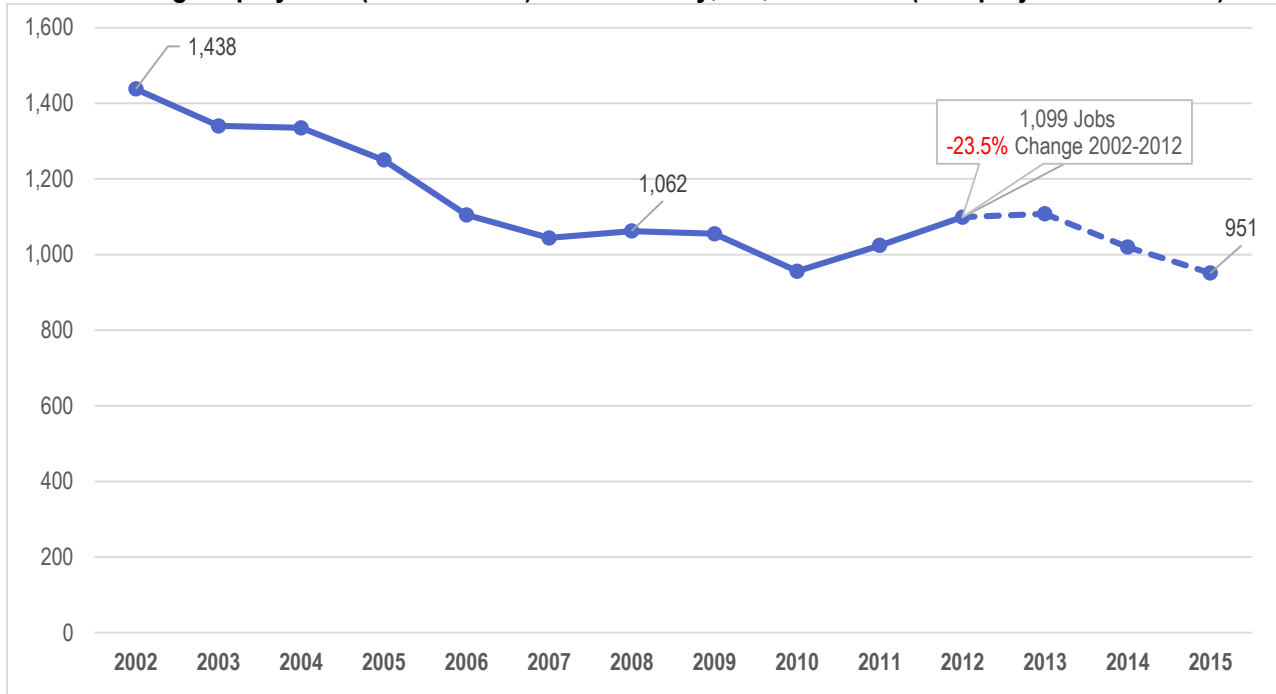


Giles County, Virginia

Supplemental Reference Materials
Supporting:
**New River/ Mount Rogers Skills Gap
Analysis**

*Prepared by:
Virginia Tech Office of Economic
Development*

Manufacturing Employment (NAICS 31-33): Giles County, VA, 2002-2012 (with projections to 2015)ⁱ



Manufacturing Employment (NAICS 31-33): Giles County vs. Neighboring Jurisdictions/Regionsⁱⁱ

	2002 Jobs	2008 Jobs	2012 Jobs	Change 2002-2012 (#)	Change 2002-2012 (%)
Giles County	1,438	1,062	1,099	(339)	(23.5%)
New River/Mount Rogers WIA 2	34,178	28,241	25,440	(8,738)	(25.6%)
Bluefield WV-VA, MSA	3,232	3,130	2,785	(447)	(13.8%)
Roanoke, VA MSA	19,196	16,719	14,758	(4,438)	(23.1%)
Kingsport-Bristol-Bristol, VA/TN (Minus WIA 2 Jurisdictions)	20,848	17,607	16,416	(4,432)	(21.3%)
Virginia	321,016	264,948	231,033	(89,983)	(28.0%)
United States	15,209,748	13,382,696	11,905,319	3,304,429	(21.7%)

Manufacturing Employment: Giles County, VA, by NAICS 3-Digit Industryⁱⁱⁱ*LQ>1 = Above National Average Concentration of Employment*

NAICS Code	Description	2008 Jobs	2009 Jobs	2010 Jobs	2011 Jobs	2012 Jobs	Change 2008-2012	2012 National Location Quotient
325	Chemical Manufacturing	679	703	636	715	773	94	27.01
327	Nonmetallic Mineral Product Manufacturing	153	115	81	121	119	(34)	8.94
332	Fabricated Metal Product Manufacturing	70	69	85	104	111	41	2.18
333	Machinery Manufacturing*	67	101	97	72	76	9	1.91
311	Food Manufacturing	<10	<10	<10	<10	<10	--	--
339	Miscellaneous Manufacturing	17	13	<10	<10	<10	--	--
321	Wood Product Manufacturing	52	51	37	<10	<10	--	--
337	Furniture and Related Product Manufacturing	23	0	0	0	<10	--	--
Total		1,062	1,055	956	1,024	1,099	37	2.53

Manufacturing Earnings, by NAICS 3-Digit Industry: Giles County, VA^{iv}

NAICS Code	Description	2013 Average Earnings Per Job (Giles)	2013 Average Earnings Per Job (New River/Mount Rogers WIA)	2013 Average Earnings Per Job (Bluefield VA-WV, MSA)	2013 Average Earnings Per Job (Virginia)	2013 Average Earnings Per Job (United States)
325	Chemical Manufacturing	\$78,474	\$77,672	\$74,937	\$95,670	\$117,339
327	Nonmetallic Mineral Product Manufacturing	\$78,501	\$49,709	\$57,542	\$55,363	\$64,593
332	Fabricated Metal Product Manufacturing	\$60,982	\$53,921	\$52,087	\$66,359	\$63,732
333	Machinery Manufacturing*	\$91,927	\$56,073	\$65,276	\$72,122	\$79,734
311	Food Manufacturing	--	\$49,448	--	\$47,473	\$52,522
339	Miscellaneous Manufacturing	--	\$46,827	\$47,408	\$71,120	\$82,536
321	Wood Product Manufacturing	--	\$36,199	\$39,217	\$45,046	\$48,510
337	Furniture and Related Product Manufacturing	--	\$37,127	--	\$43,443	\$49,025
Total (All Manufacturing)		\$77,410	\$57,919	\$54,859	\$68,357	\$77,540

Manufacturing Age Demographics, by NAICS 3-Digit Industry: Giles County, VA^v -- 2013

NAICS Code	Description	Age 14-18	Age 19-21	Age 22-24	Age 25-34	Age 35-44	Age 45-54	Age 55-64	Age 65-99
325	Chemical Manufacturing	0	11	22	85	144	314	178	<10
327	Nonmetallic Mineral Product Manufacturing	0	<10	<10	24	31	45	23	<10
332	Fabricated Metal Product Manufacturing	0	<10	12	22	29	20	13	<10
333	Machinery Manufacturing*	0	<10	<10	<10	13	27	22	<10
311	Food Manufacturing	0	<10	0	0	<10	0	0	0
339	Miscellaneous Manufacturing	0	0	0	0	<10	0	0	0
321	Wood Product Manufacturing	0	0	0	0	0	<10	<10	0
337	Furniture and Related Product Manufacturing	0	0	0	0	0	<10	0	0
Total		0	20	40	141	234	415	242	17

Staffing Patterns for Manufacturing Employers: Giles County, Virginia (SOC: 2-Digit)^{vi}

SOC	Occupation Group	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Giles County Manufacturing	Median Hourly Earnings
51-0000	Production Occupations	515	537	22	48.7%	\$20.97
43-0000	Office and Administrative Support Occupations	97	101	4	9.1%	\$14.08
49-0000	Installation, Maintenance, and Repair Occupations	95	100	5	9.1%	\$17.87
53-0000	Transportation and Material Moving Occupations	97	84	(13)	7.9%	\$16.47
17-0000	Architecture and Engineering Occupations	62	68	6	6.3%	\$29.91
19-0000	Life, Physical, and Social Science Occupations	46	53	7	4.7%	\$25.00
11-0000	Management Occupations	48	49	1	4.4%	\$37.98
13-0000	Business and Financial Operations Occupations	37	42	5	3.8%	\$26.32
47-0000	Construction and Extraction Occupations	27	28	1	2.6%	\$16.67
41-0000	Sales and Related Occupations	16	15	(1)	1.4%	\$12.22
15-0000	Computer and Mathematical Occupations	11	11	0	1.0%	\$24.86
29-0000	Healthcare Practitioners and Technical Occupations	<10	<10	--	0.5%	--
37-0000	Building and Grounds Cleaning and Maintenance Occupations	<10	<10	--	0.2%	--
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	<10	<10	--	0.1%	--
33-0000	Protective Service Occupations	<10	<10	--	0.1%	--
23-0000	Legal Occupations	<10	<10	--	0.1%	--
45-0000	Farming, Fishing, and Forestry Occupations	<10	0	1>10	--	--
Total		1,062	1,099	37	100.0%	--

Top Ten Production Occupations for Manufacturing: Giles County, VA (SOC: 5-Digit)^{vii}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Giles County Manufacturing (2013)	Median Hourly Earnings (All Industries)
1.	51-9011	Chemical Equipment Operators and Tenders	66	75	9	6.6%	\$25.66
2.	51-8091	Chemical Plant and System Operators	52	58	6	5.2%	\$30.58
3.	51-4041	Machinists	37	52	15	4.5%	\$18.56
4.	51-1011	First-Line Supervisors of Production and Operating Workers	47	47	0	4.3%	\$29.21
5.	51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders (Metal and Plastic)	39	47	8	4.2%	\$13.46
6.	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	35	37	2	3.3%	\$21.72
7.	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	27	27	0	2.4%	\$17.83
8.	51-9199	Production Workers (All Other)	18	19	1	1.7%	\$15.78
9.	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	18	18	0	1.7%	\$23.47
10.	51-6091	Extruding and Forming Machine Setters, Operators, and Tenders (Synthetic and Glass Fibers)	15	16	1	1.4%	\$10.37

Top Office and Administrative Support Occupations for Manufacturing: Giles County, VA (SOC: 5-Digit)^{viii}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Giles County Manufacturing	Median Hourly Earnings (All Industries)
1.	43-5071	Shipping, Receiving, and Traffic Clerks	19	19	0	1.7%	\$17.00
2.	43-5061	Production, Planning, and Expediting Clerks	14	15	1	1.3%	\$18.58
3.	43-3031	Bookkeeping, Accounting, and Auditing Clerks	11	12	1	1.1%	\$14.86
4.	43-9061	Office Clerks, General	11	11	0	1.0%	\$10.81
5.	Other Titles (Each with <10 Employees): Executive Secretaries and Administrative Assistants; Stock Clerks and Order Filers; Office and Administrative Support Workers, All Other; Procurement Clerks; Customer Service Representatives; First-Line Supervisors of Office and Administrative Support Workers; Secretaries and Administrative Assistants, Except Legal, Medical, and Executive; Receptionists and Information Clerks; Order Clerks; Human Resources Assistants; Payroll and Timekeeping Clerks; Dispatchers (Except Police, Fire, Ambulance); Billing and Posting Clerks; Weighers, Measurers, Checkers, and Samplers, Recordkeeping						

Top Installation, Maintenance, and Repair Occupations for Manufacturing: Giles County, VA (SOC: 5-Digit)^{ix}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Giles County Manufacturing	Median Hourly Earnings (All Industries)
1.	49-9071	Maintenance and Repair Workers, General	37	39	2	3.5%	\$15.61
2.	49-9041	Industrial Machinery Mechanics	33	36	3	3.3%	\$21.15
3.	49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	13	14	1	1.3%	\$24.50
4.	Other Titles (Each with <10 Employees): Electrical and Electronics Repairers-Commercial and Industrial Equipment; Maintenance Workers, Machinery; Mobile Heavy Equipment Mechanics (Except Engines); Bus and Truck Mechanics and Diesel Engine Specialists; Millwrights; Helpers-Installation, Maintenance, and Repair Workers; Installation, Maintenance, and Repair Workers (All Other)						

Top Transportation and Material Moving Occupations for Manufacturing: Giles County, VA (SOC: 5-Digit)^x

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Giles County Manufacturing	Median Hourly Earnings (All Industries)
1.	53-7051	Industrial Truck and Tractor Operators	37	34	(3)	3.1%	\$27.63
2.	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20	18	(2)	1.6%	\$11.26
3.	Other Titles (Each with <10 Employees): Machine Feeders and Offbearers; Packers and Packagers, Hand; Heavy and Tractor-Trailer Truck Drivers; First-Line Supervisors of Helpers, Laborers, and Material Movers- Hand; First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators; Pump Operators, Except Wellhead Pumpers; Light Truck or Delivery Services Drivers; Cleaners of Vehicles and Equipment; Crane and Tower Operators; Conveyor Operators and Tenders; Excavating and Loading Machine and Dragline Operators						

Top Architecture and Engineering Occupations for Manufacturing: Giles County, VA (SOC: 5-Digit)^{xi}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Giles County Manufacturing	Median Hourly Earnings (All Industries)
1.	17-2112	Industrial Engineers	14	14	0	1.3%	\$33.59
2.	17-2041	Chemical Engineers	12	14	2	1.2%	\$81.39
3.	Other Titles (Each with <10 Employees): Industrial Engineering Technicians; Electrical/ Electronics Engineering Technicians; Mechanical Engineers; Mechanical Engineering Technicians; Electrical Engineers; Mechanical Drafters; Health and Safety Engineers; Engineers (All Other); Materials Engineers; Electronics Engineers; Environmental Engineers; Civil Engineers; Environmental Engineering Technicians; Architectural and Civil Drafters						

Top Life, Physical, and Social Science Occupations for Manufacturing: Giles County, VA (SOC: 5-Digit)^{xii}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Giles County Manufacturing	Median Hourly Earnings (All Industries)
1.	19-4031	Chemical Technicians	25	28	3	2.5%	\$18.69
2.	19-2031	Chemists	11	12	1	1.1%	\$26.47
3.	19-2032	Materials Scientists	<10	12	--	1.1%	--
4.	Other Titles (Each with <10 Employees): Environmental Scientists and Specialists; Life, Physical, and Social Science Technicians (All Other)						

Top Management Occupations for Manufacturing: Giles County, VA (SOC: 5-Digit)^{xiii}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Giles County Manufacturing	Median Hourly Earnings (All Industries)
1.	11-1021	General and Operations Managers	15	15	0	1.3%	\$42.57
2.	11-3051	Industrial Production Managers	12	12	0	1.1%	\$54.64
3.	Other Titles (Each with <10 Employees): Architectural and Engineering Managers; Financial Managers; Transportation, Storage, and Distribution Managers; Computer and Information Systems Managers; Chief Executives; Managers (All Other); Administrative Services Managers; Sales Managers; Marketing Managers; Purchasing Managers; Human Resources Managers; Natural Sciences Managers						

References

- ⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ⁱⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ⁱⁱⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{iv} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^v Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{vi} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{vii} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{viii} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{ix} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^x Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{xi} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{xii} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{xiii} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)