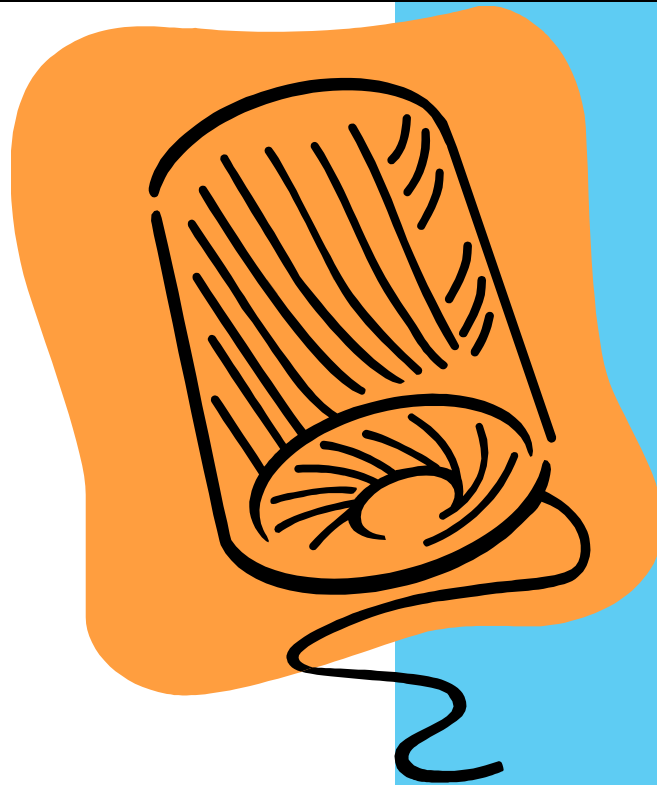


County Profiles: Manufacturing

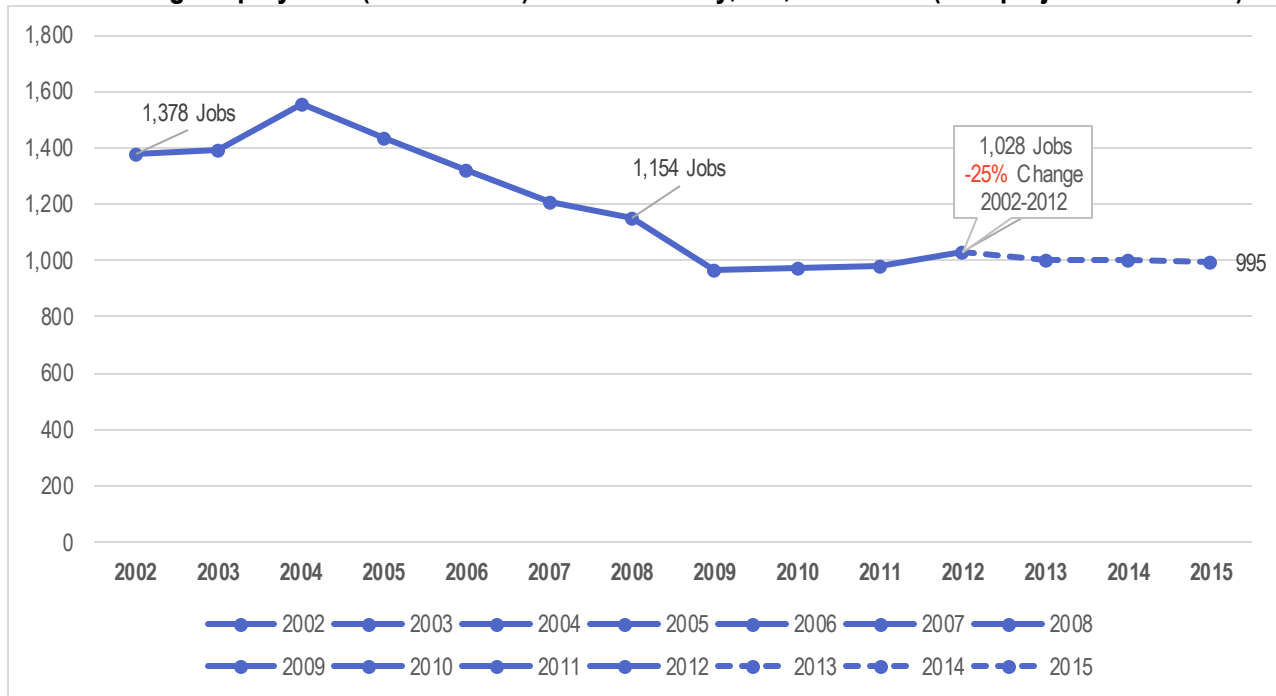


Carroll County, Virginia

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

*Prepared by:
Virginia Tech Office of Economic
Development*

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



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

	2002 Jobs	2008 Jobs	2012 Jobs	Change 2002-2012 (#)	Change 2002-2012 (%)
Carroll County	1,378	1,154	1,028	(-350)	(-25%)
New River/Mount Rogers WIA 2	34,178	28,241	25,440	(-8,738)	(-25.6%)
BRCEDA	5,484	3,255	2,777	(-2,707)	(-49.4%)
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: Carroll 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	National Location Quotient
313	Textile Mills	551	535	582	579	603	52	46.02
321	Wood Product Manufacturing	120	113	118	119	119	(-1)	4.45
334	Computer and Electronic Product Manufacturing	186	97	83	68	101	(-85)	2.41
333	Machinery Manufacturing	64	73	78	85	86	22	--
332	Fabricated Metal Product Manufacturing	52	44	47	50	45	(-7)	0.72
325	Chemical Manufacturing	43	44	10	35	32	(-11)	0.00
323	Printing and Related Support Activities	15	<10	28	28	24	9	--
311	Food Manufacturing	0	0	<10	<10	10	10	0.00
337	Furniture and Related Product Manufacturing	33	22	12	<10	<10	--	--
327	Nonmetallic Mineral Product Manufacturing	<10	<10	<10	<10	<10	--	--
315	Apparel Manufacturing	74	23	<10	0	<10	--	18.2
Total		1,154	963	971	978	1,028	(-350)	--

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

NAICS Code	Description	2013 Average Earnings Per Job (Carroll)	2013 Average Earnings Per Job (New River/Mount Rogers WIA 2)	2013 Average Earnings Per Job (BCEDA)	2013 Average Earnings Per Job (Virginia)	2013 Average Earnings Per Job (United States)
313	Textile Mills	\$31,054	\$32,244	\$31,465	\$40,799	\$48,944
321	Wood Product Manufacturing	\$37,844	\$36,199	\$32,499	\$45,046	\$48,510
334	Computer and Electronic Product Manufacturing	\$49,769	\$67,258	\$61,281	\$105,679	\$119,790
333	Machinery Manufacturing	\$43,950	\$56,073	\$43,853	\$72,122	\$79,734
332	Fabricated Metal Product Manufacturing	\$40,889	\$53,921	\$41,959	\$66,359	\$63,732
325	Chemical Manufacturing	\$90,158	\$77,672	\$90,159	\$95,670	\$117,339
323	Printing and Related Support Activities	\$29,361	\$48,506	\$31,800	\$51,949	\$55,221
311	Food Manufacturing	\$59,397	\$49,448	--	\$47,473	\$52,522
337	Furniture and Related Product Manufacturing	\$41,148	\$37,127	\$38,148	\$43,443	\$49,025
327	Nonmetallic Mineral Product Manufacturing	\$38,938	\$49,709	\$34,525	\$55,363	\$64,593
315	Apparel Manufacturing	\$33,115	\$26,538	\$25,131	\$33,649	\$45,352

Manufacturing Age Demographics (2013 Estimates), by NAICS 3-Digit Industry: Carroll County, VA*

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
313	Textile Mills	<10	22	17	95	163	171	118	14
321	Wood Product Manufacturing	0	<10	<10	28	20	29	21	13
334	Computer and Electronic Product Manufacturing	0	0	<10	13	28	23	15	<10
333	Machinery Manufacturing	0	0	<10	<10	21	19	29	<10
332	Fabricated Metal Product Manufacturing	0	<10	<10	<10	<10	14	<10	<10
325	Chemical Manufacturing	0	0	0	<10	<10	<10	<10	15
323	Printing and Related Support Activities	0	0	0	<10	<10	<10	<10	<10
311	Food Manufacturing	0	0	0	0	0	<10	0	0
337	Furniture and Related Product Manufacturing	0	0	0	0	<10	<10	<10	0
327	Nonmetallic Mineral Product Manufacturing	0	0	0	0	0	<10	<10	0
315	Apparel Manufacturing	0	0	0	0	0	<10	0	0
Total		<10	24	36	153	249	278	201	62

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

SOC	Occupation Group	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Carroll County Manufacturing	Median Hourly Earnings
51-0000	Production Occupations	728	677	(-51)	66.0%	\$12.69
49-0000	Installation, Maintenance, and Repair Occupations	97	91	(-6)	9.0%	\$14.59
43-0000	Office and Administrative Support Occupations	91	77	(-14)	7.4%	\$11.61
53-0000	Transportation and Material Moving Occupations	69	58	(-11)	5.8%	\$11.68
11-0000	Management Occupations	38	29	(-9)	2.8%	\$30.55
17-0000	Architecture and Engineering Occupations	46	30	(-16)	2.7%	\$29.40
13-0000	Business and Financial Operations Occupations	21	16	(-5)	1.5%	\$19.79
41-0000	Sales and Related Occupations	17	14	(-3)	1.3%	\$10.09
47-0000	Construction and Extraction Occupations	12	<10	--	0.9%	--
37-0000	Building and Grounds Cleaning and Maintenance Occupations	<10	<10	--	0.7%	--
15-0000	Computer and Mathematical Occupations	11	<10	--	0.6%	--
Total		1,130	992	(-115)	98.7%	--

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

SOC		Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Carroll County Manufacturing	Median Hourly Earnings
1.	51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	209	202	(-7)	19.8%	\$11.92
2.	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	112	133	21	13.3%	\$11.21
3.	51-1011	First-Line Supervisors of Production and Operating Workers	48	42	(-6)	4.1%	\$20.20
4.	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	32	35	3	3.6%	\$11.91
5.	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	36	30	(-6)	2.8%	\$11.45
6.	51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	23	25	2	2.5%	\$12.41
7.	51-9198	Helpers--Production Workers	25	23	(-2)	2.2%	\$8.53
8.	51-2092	Team Assemblers	19	15	(-4)	1.4%	\$10.06
9.	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	17	14	(-3)	1.4%	\$11.30
10.	51-2022	Electrical and Electronic Equipment Assemblers	23	13	(-10)	1.1%	\$12.17

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

SOC		Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Carroll County Manufacturing	Median Hourly Earnings (All Industries)
1.	49-9041	Industrial Machinery Mechanics	42	42	0	4.1%	\$14.48
2.	49-9071	Maintenance and Repair Workers, General	21	19	(-2)	1.8%	\$13.16
3.	49-9043	Maintenance Workers, Machinery	18	14	(-4)	1.4%	\$15.55
Other Titles (Each with <10 Employees): Helpers--Installation, Maintenance, and Repair Workers; First-Line Supervisors of Mechanics, Installers, and Repairers; Electrical and Electronics Repairers, Commercial and Industrial Equipment; Heating, Air Conditioning, and Refrigeration Mechanics and Installers; Mobile Heavy Equipment Mechanics, Except Engines; Millwrights; Fabric Menders, Except Garment; Control and Valve Installers and Repairers, Except Mechanical Door; Installation, Maintenance, and Repair Workers, All Other							

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

SOC		Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Carroll County Manufacturing	Median Hourly Earnings
1.	43-5071	Shipping, Receiving, and Traffic Clerks	19	16	(-3)	1.6%	\$9.26
2.	43-9061	Office Clerks, General	16	14	(-2)	1.4%	\$9.82
Other Titles (Each with <10 Employees): Bookkeeping, Accounting, and Auditing Clerks; Customer Service Representatives; Stock Clerks and Order Fillers; Production, Planning, and Expediting Clerks; First-Line Supervisors of Office and Administrative Support Workers; Secretaries and Administrative Assistants, Except Legal, Medical, and Executive; Human Resources Assistants, Except Payroll and Timekeeping; Receptionists and Information Clerks; Weighers, Measurers, Checkers, and Samplers, Recordkeeping; Executive Secretaries and Executive Administrative Assistants; Billing and Posting Clerks; Payroll and Timekeeping Clerks; Order Clerks; Procurement Clerks							

Top Transportation and Material Moving Occupations for Manufacturing: Carroll County, VA (SOC: 5-Digit)*

SOC		Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Carroll County Manufacturing	Median Hourly Earnings
1.	53-7062	Laborers and Freight, Stock, and Material Movers (Hand)	22	18	(-4)	1.8%	\$9.37
2.	53-7051	Industrial Truck and Tractor Operators	13	12	(-1)	1.2%	\$12.13
3.	53-7064	Packers and Packagers, Hand	15	12	(-3)	1.1%	\$8.29
Other Titles (Each with <10 Employees): Machine Feeders and Offbearers; Heavy and Tractor-Trailer Truck Drivers; Light Truck or Delivery Services Drivers; Cleaners of Vehicles and Equipment; First-Line Supervisors of Helpers, Laborers, and Material Movers (Hand); First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators; Crane and Tower Operators							

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

SOC		Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Carroll County Manufacturing	Median Hourly Earnings
1.	11-1021	General and Operations Managers	15	11	(-4)	1.1%	\$29.96
Other Titles (Each with <10 Employees): Industrial Production Managers; Financial Managers; Chief Executives; Architectural and Engineering Managers; Sales Managers; Purchasing Managers; Computer and Information Systems Managers; Marketing Managers; Human Resources Managers; Administrative Services Managers; Managers (All Other)							

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)