

County Profiles: Manufacturing

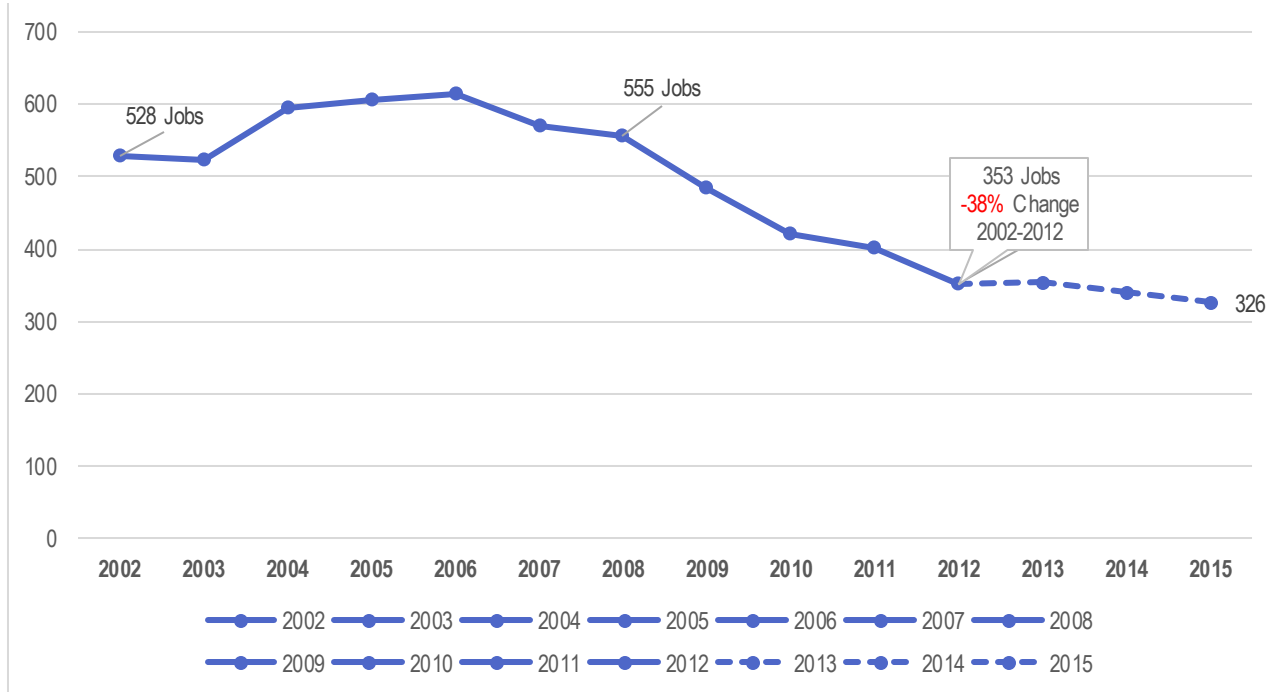


Grayson County, Virginia

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

*Prepared by:
Virginia Tech Office of Economic
Development*

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



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

	2002 Jobs	2008 Jobs	2012 Jobs	Change 2002-2012 (#)	Change 2002-2012 (%)
Grayson County	528	555	353	(-202)	(-38%)
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%)
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: Grayson 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
321	Wood Product Manufacturing	200	155	97	154	129	(-71)	21.81
334	Computer and Electronic Product Manufacturing	57	58	65	107	94	37	4.91
339	Miscellaneous Manufacturing	160	150	150	55	46	(-114)	4.48
313	Textile Mills	63	64	46	44	44	(-19)	21.10
337	Furniture and Related Product Manufacturing	35	25	24	24	26	(-9)	4.21
327	Nonmetallic Mineral Product Manufacturing	22	19	18	14	12	(-10)	1.87
314	Textile Product Mills	0	0	<10	<10	<10	--	--
333	Machinery Manufacturing	0	0	0	0	<10	--	--
316	Leather and Allied Product Manufacturing	0	0	0	0	0	0	0.00
312	Beverage and Tobacco Product Manufacturing	<10	0	0	0	0	--	0.00
322	Paper Manufacturing	0	0	0	0	0	0	0.00
315	Apparel Manufacturing	0	0	0	0	0	0	0.00
324	Petroleum and Coal Products Manufacturing	0	0	0	0	0	0	0.00
311	Food Manufacturing	0	0	0	0	0	0	0.00
326	Plastics and Rubber Products Manufacturing	<10	14	14	0	0	--	0.00
331	Primary Metal Manufacturing	0	0	0	0	0	0	0.00
332	Fabricated Metal Product Manufacturing	0	0	0	0	0	0	0.00
325	Chemical Manufacturing	0	0	0	0	0	0	0.00
323	Printing and Related Support Activities	<10	<10	<10	<10	0	--	0.00
335	Electrical Equipment, Appliance, and Component Manufacturing	0	0	0	0	0	0	0.00
336	Transportation Equipment Manufacturing	0	0	0	0	0	0	0.00
Total		555	485	420	401	353	(-202)	--

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

NAICS Code	Description	2013 Average Earnings Per Job (Grayson)	2013 Average Earnings Per Job (New River/Mount Rogers WIA)	2013 Average Earnings Per Job (BCEDA)	2013 Average Earnings Per Job (Virginia)	2013 Average Earnings Per Job (United States)
321	Wood Product Manufacturing	\$25,940	\$36,199	32499	\$45,046	\$48,510
334	Computer and Electronic Product Manufacturing	\$70,652	\$67,258	61281	\$105,679	\$119,790
339	Miscellaneous Manufacturing	\$30,280	\$46,827	30280	\$71,120	\$82,536
313	Textile Mills	\$37,202	\$32,244	31465	\$40,799	\$48,944
337	Furniture and Related Product Manufacturing	\$35,364	\$37,127	38148	\$43,443	\$49,025
327	Nonmetallic Mineral Product Manufacturing	\$29,811	\$49,709	34525	\$55,363	\$64,593
314	Textile Product Mills	--	\$42,150	--	\$39,788	\$46,010
333	Machinery Manufacturing	--	\$56,073	43853	\$72,122	\$79,734
316	Leather and Allied Product Manufacturing	\$0	\$39,391	0	\$30,902	\$50,477
312	Beverage and Tobacco Product Manufacturing	\$0	\$62,515	0	\$88,801	\$77,328
322	Paper Manufacturing	\$0	\$44,875	0	\$76,814	\$77,583
315	Apparel Manufacturing	\$0	\$26,538	25131	\$33,649	\$45,352
324	Petroleum and Coal Products Manufacturing	\$0	\$129,266	0	\$123,300	\$200,942
311	Food Manufacturing	\$0	\$49,448	--	\$47,473	\$52,522
326	Plastics and Rubber Products Manufacturing	\$0	\$55,090	0	\$71,492	\$60,497
331	Primary Metal Manufacturing	\$0	\$59,173	0	\$75,257	\$79,745
332	Fabricated Metal Product Manufacturing	\$0	\$53,921	41959	\$66,359	\$63,732
325	Chemical Manufacturing	\$0	\$77,672	90159	\$95,670	\$117,339
323	Printing and Related Support Activities	\$0	\$48,506	31800	\$51,949	\$55,221
335	Electrical Equipment, Appliance, and Component Manufacturing	\$0	\$74,867	0	\$78,739	\$85,017
336	Transportation Equipment Manufacturing	\$0	\$61,329	0	\$30,902	\$50,477
Total		\$40,545	\$57,919	\$36,873	\$68,357	\$77,540

Manufacturing Age Demographics (2013 Estimates), by NAICS 3-Digit Industry: Grayson County, VA^v

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
321	Wood Product Manufacturing	<10	<10	<10	27	24	41	14	<10
334	Computer and Electronic Product Manufacturing	0	0	<10	<10	29	39	15	<10
339	Miscellaneous Manufacturing	0	0	<10	11	<10	17	<10	<10
313	Textile Mills	0	0	0	<10	<10	15	14	<10
337	Furniture and Related Product Manufacturing	0	0	<10	<10	<10	<10	<10	0
327	Nonmetallic Mineral Product Manufacturing	0	0	0	<10	<10	<10	<10	0
314	Textile Product Mills	0	0	0	0	<10	0	0	0
333	Machinery Manufacturing	0	0	0	0	<10	<10	0	0
316	Leather and Allied Product Manufacturing	0	0	0	0	0	0	0	0
312	Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0	0	0
322	Paper Manufacturing	0	0	0	0	0	0	0	0
315	Apparel Manufacturing	0	0	0	0	0	0	0	0
324	Petroleum and Coal Products Manufacturing	0	0	0	0	0	0	0	0
311	Food Manufacturing	0	0	0	0	0	0	0	0
326	Plastics and Rubber Products Manufacturing	0	0	0	0	0	0	0	0
331	Primary Metal Manufacturing	0	0	0	0	0	0	0	0
332	Fabricated Metal Product Manufacturing	0	0	0	0	0	0	0	0
325	Chemical Manufacturing	0	0	0	0	0	0	0	0
323	Printing and Related Support Activities	0	0	0	0	0	0	0	0
335	Electrical Equipment, Appliance, and Component Manufacturing	0	0	0	0	0	0	0	0
336	Transportation Equipment Manufacturing	0	0	0	0	0	0	0	0
Total		<10	<10	11	55	79	125	62	14

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

SOC	Occupation Group	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Grayson County Manufacturing	Median Hourly Earnings
51-0000	Production Occupations	303	192	(-111)	54.2%	\$12.76
43-0000	Office and Administrative Support Occupations	58	36	(-22)	10.1%	\$12.33
53-0000	Transportation and Material Moving Occupations	61	33	(-28)	9.4%	\$11.38
49-0000	Installation, Maintenance, and Repair Occupations	30	20	(-10)	5.7%	\$15.23
17-0000	Architecture and Engineering Occupations	17	18	1	5.2%	\$37.31
11-0000	Management Occupations	23	15	(-8)	4.2%	\$30.04
13-0000	Business and Financial Operations Occupations	12	<10	--	2.5%	--
41-0000	Sales and Related Occupations	16	<10	--	2.4%	--
Total		520	314	(-178)	--	--
Other Titles (Each with <10 Employees): Computer and Mathematical Occupations; Farming, Fishing, and Forestry Occupations; Construction and Extraction Occupations; Building and Grounds Cleaning and Maintenance Occupations; Arts, Design, Entertainment, Sports, and Media Occupations; Protective Service Occupations; Healthcare Practitioners and Technical Occupations; Life, Physical, and Social Science Occupations						

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

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Grayson County Manufacturing	Median Hourly Earnings
1.	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	58	42	(-16)	12.2%	\$10.99
2.	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	26	19	(-7)	5.3%	\$13.18
3.	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	25	17	(-8)	4.7%	\$9.91
4.	51-1011	First-Line Supervisors of Production and Operating Workers	24	15	(-9)	4.1%	\$20.20
5.	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	22	12	(-10)	3.5%	\$9.37
6.	51-2092	Team Assemblers	23	12	(-11)	3.4%	\$11.23
7.	51-9198	Helpers--Production Workers	18	11	(-7)	3.2%	\$8.53
Other Titles (Each with <10 Employees): Inspectors, Testers, Sorters, Samplers, and Weighers; Electrical and Electronic Equipment Assemblers; Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders; Sewing Machine Operators; Assemblers and Fabricators (All Other); Machinists; Cabinetmakers and Bench Carpenters; Electromechanical Equipment Assemblers; Extruding and Forming Machine Setters, Operators, and Tenders; Production Workers (Other); Packaging and Filling Machine Operators and Tenders; Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders; Cutting and Slicing Machine Setters, Operators, and Tenders; Welders, Cutters, Solderers, and Brazers; Cutting, Punching, and Press Machine Setters, Operators, and Tenders (Metal and Plastic); Coating, Painting, and Spraying Machine Setters, Operators, and Tenders; Extruding, Forming, Pressing and Compacting Machine Setters, Operators, and Tenders; Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders; Textile, Apparel, and Furnishing Workers (Other); Tool Grinders, Filers, and Sharpeners; Furniture Finishers; Structural Metal Fabricators and Fitters; Molders; Adhesive Bonding Machine Operators and Tenders							

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

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Grayson County Manufacturing	Median Hourly Earnings
1.	43-9061	Office Clerks, General	12	<10	--	2.1%	--
3.	Other Titles (Each with <10 Employees): Shipping, Receiving, and Traffic Clerks; Bookkeeping, Accounting, and Auditing Clerks; Customer Service Representatives; Stock Clerks and Order Fillers; First-Line Supervisors of Office and Administrative Support Workers; Secretaries and Administrative Assistants; Production Planning and Expediting Clerks; Executive Secretaries and Executive Administrative Assistants; Receptionists and Information Clerks; Order Clerks; Payroll and Timekeeping Clerks; Human Resources Assistants (except Payroll and Timekeeping); Billing and Posting Clerks; Procurement Clerks						

Top Transportation and Material Moving Occupations for Manufacturing: Grayson County, VA (SOC: 5-Digit)^{ix}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Grayson County Manufacturing	Median Hourly Earnings
1.	53-7062	Laborers and Freight, Stock, and Material Movers (Hand)	22	12	(-10)	3.5%	\$9.37
	Other Titles (Each with <10 Employees): Industrial Truck and Tractor Operators; Packers and Packagers (Hand); Heavy and Tractor-Trailer Truck Drivers; Machine Feeders and Offbearers; Light Truck or Delivery Services Drivers; First-Line Supervisors of Helpers, Laborers, and Material Movers (Hand); Crane and Tower Operators; First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators						

Top Installation, Maintenance, and Repair Occupations for Manufacturing: Grayson County, VA (SOC: 5-Digit)*

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Grayson County Manufacturing	Median Hourly Earnings
1.	49-9071	Maintenance and Repair Workers, General	<10	<10	--	1.6%	--
2.	49-9041	Industrial Machinery Mechanics	<10	<10	--	1.6%	--
3.	49-9043	Maintenance Workers, Machinery	<10	<10	--	0.7%	--
5.	Other Titles (Each with <10 Employees): First-Line Supervisors of Mechanics, Installers, and Repairers; Electrical and Electronics Repairers, Commercial and Industrial Equipment; Millwrights; Medical Equipment Repairers; Helpers--Installation, Maintenance, and Repair Workers; Installation, Maintenance, and Repair Workers, All Other						

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

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Grayson County Manufacturing	Median Hourly Earnings
1.	17-2141	Mechanical Engineers	<10	<10	--	1.6%	--
2.	17-2112	Industrial Engineers	<10	<10	--	1.0%	--
3.	17-2071	Electrical Engineers	<10	<10	--	0.8%	--
	Other Titles (Each with <10 Employees): Electrical and Electronics Engineering Technicians; Industrial Engineering Technicians; Computer Hardware Engineers; Electronics Engineers, Except Computer; Mechanical Engineering Technicians; Engineers, All Other; Engineering Technicians, Except Drafters, 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)