



New River/Mount Rogers Skills Gap Analysis: County Data Profiles

Giles County, Virginia

Prepared by: Virginia Tech Office of Economic Development

Part A: Economic and Demographic Data

Table I: Population, Employment, and Educational Attainment Trendsⁱ

Population Data		
Population	17,197	
Population between the Ages of 25 and 64	9,206	
Population Change (2002-2012)	333	
Employment and Income Data		
Population Participating in the Labor Force	7,936 (46.1%)	
Unemployment Rate	7.6%	
Per Capita Income	\$30,123	
Education Attainment (Population Est.)		
Less than 9 th Grade	949	
9 th -12 th Grade, No Diploma	1,416	
High School Graduate	4,520	
Some College, no degree	2,436	
Associate's Degree	866	
Bachelor's Degree	1,325	
Graduate or Professional Degree	713	
Employment by Educational Attainment (25-64 Years Old)		
	<i>Estimated Number in Labor Force</i>	<i>Percentage Employed</i>
Less than High School Graduate	539	71.8%
High School Graduate	2,325	90.0%
Some College or Associate's Degree	2,167	94.0%
Bachelor's Degree or Higher	1,456	91.2%

Part B: Industry Data

Figure I: Industry Employment Trends (NAICS 2-Digit)ⁱⁱ

LQ: >1= Above National Average Concentration of Employment

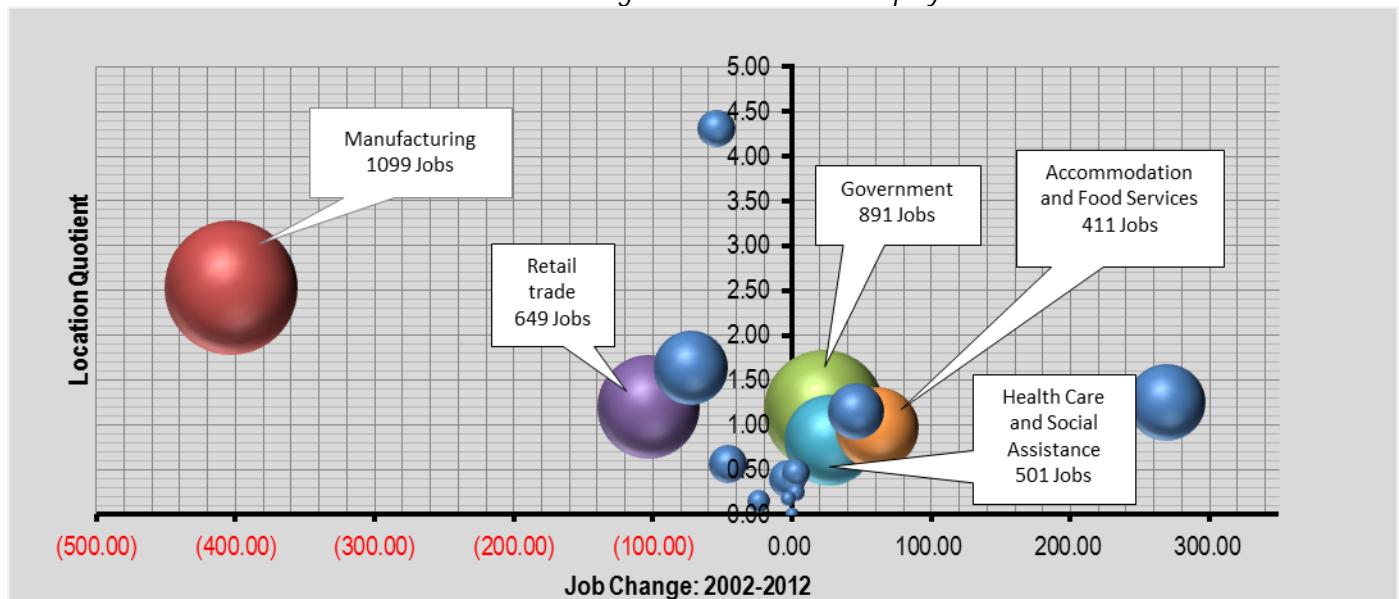


Table II: Top Ten Industries for Employment, by NAICS 3-Digitⁱⁱⁱ

	2002 Jobs	2012 Jobs	Change Jobs (2002-2012)	% of Change (2002-2012)	Average Wages, Salaries, & Proprietor Earnings
Local Government	773	797	24	3%	\$25,848
Chemical Manufacturing	1,294	773	(-521)	(-40%)	\$58,219
Professional, Scientific, and Technical Services	98	359	261	266%	\$48,748
Food Services and Drinking Places	241	353	112	46%	\$11,766
Specialty Trade Contractors	292	249	(-43)	(-15%)	\$39,909
General Merchandise Stores	252	233	(-19)	(-8%)	\$19,954
Hospitals (Private)	232	186	(-46)	(-20%)	\$41,579
Nursing and Residential Care Facilities	18	153	135	750%	\$23,131
Repair and Maintenance	82	139	57	70%	\$43,814
Nonmetallic Mineral Product Mfg.	56	119	63	113%	\$61,919

Table III: Worker Age Demographics (Manufacturing and Health Care and Social Assistance)^{iv}

	Manufacturing		Health Care & Social Assistance	
	Jobs (2013)	% of Total	Jobs (2013)	% of Total
14-18 Years	0	.0%	<10	.3%
19-21 Years	20	1.8%	18	3.4%
22-24 Years	40	3.6%	27	5.1%
25-34 Years	141	12.7%	82	15.6%
35-44 Years	234	21.1%	154	29.2%
45-54 Years	415	37.4%	124	23.6%
55-64 Years	242	21.8%	86	16.2%
65+ Years	17	1.5%	35	6.6%

Part C: Occupation Data

Table IV: Top Ten Occupations (SOC 5-Digit)^v

Occupation		Jobs (2012)	Job Change (2002-2012)	% of All Jobs in County	Median Hourly Earnings (Region)	Educational Attainment (National)
1.	Cashiers	207	9	4.31%	\$9.03	Short-term on-the-job training
2.	Combined Food Preparation and Serving Workers, Including Fast Food	201	57	4.19%	\$8.41	Short-term on-the-job training
3.	Retail Salespersons	105	(-18)	2.19%	\$11.37	Short-term on-the-job training
4.	Stock Clerks and Order Fillers	86	(-19)	1.79%	\$9.94	Short-term on-the-job training
5.	Nursing Assistants	86	53	1.79%	\$9.90	Postsecondary non-degree award
6.	Office Clerks, General	75	(-2)	1.56%	\$10.81	Short-term on-the-job training
7.	Chemical Equipment Operators and Tenders	75	(-52)	1.56%	\$25.66	Moderate-term on-the-job training
8.	Registered Nurses	74	0	1.54%	\$23.16	Associate's degree
9.	Teachers and Instructors, All Other	74	(-2)	1.54%	\$27.89	Bachelor's degree
10.	Elementary School Teachers, Except Special Education	70	0	1.46%	\$23.49	Bachelor's degree
Total for Top 10 Jobs		1,053	26	21.95%	**	**
Total for County (All Jobs)		4,798	(-134)	**	\$18.03	**

Table V: Industry Staffing Patterns for County's Top Ten Occupations for Employment (2012)^{vi}

Occupation	Jobs (2012)	Top Regional Subsectors for Occupation Employment		
		Sector (NAICS 3-Digit)	% of Occupation Employed in this Industry Subsector	% of Jobs in Industry Sector
1. Cashiers	207	General Merchandise Stores	31.8%	27.4%
		Gasoline Stations	28.7%	68.8%
		Food and Beverage Stores	22.1%	38.2%
2. Combined Food Preparation and Serving Workers, Including Fast Food	201	Food Services and Drinking Places	81.2%	46.2%
		Local Government	7.8%	2.0%
		Food and Beverage Stores	4.9%	8.2%
3. Retail Salespersons	105	General Merchandise Stores	47.7%	21.0%
		Building Material and Garden Equipment and Supplies Dealers	22.1%	35.7%
		Motor Vehicles and Parts Dealers	10.0%	19.5%
4. Stock Clerks and Order Fillers	86	General Merchandise Stores	48.2%	17.4%
		Food and Beverage Stores	24.6%	17.9%
		Chemical Manufacturing	4.2%	0.5%
5. Nursing Assistants	86	Nursing and Residential Care Facilities	71.8%	40.9%
		Hospitals (Private)	20.8%	9.2%
		Local Government	3.1%	0.3%
6. Office Clerks, General	75	Local Government	16.6%	1.6%
		Specialty Trade Contractors.	11.1%	3.8%
		Professional, Scientific, and Technical Services	10.7%	2.2%
7. Chemical Equipment Operators and Tenders	75	Chemical Manufacturing	99.9%	9.6%
8. Registered Nurses	74	Hospitals (Private)	71.6%	28.4%
		Nursing and Residential Care Facilities	12.0%	6.2%
		Ambulatory Health Care Services	7.7%	6.9%
9. Teachers and Instructors, All Other	74	Local Government	85.8%	7.8%
		State Government	5.4%	6.4%
		Educational Services (Private)	2.9%	56.3%
10. Elementary School Teachers, Except Special Education	70	Local Government	100.0%	8.9%

Part D: Education Data

Section I: Primary and Secondary School Data

Table VI: SOL Pass/Fail Rates for Elementary and Middle School – Giles County (AY: 2012-2013)
(All)^{vii}

Grade	English: Reading		English: Writing		Mathematics		Science		History and Social Science	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
Grade 3	69	31	N/A	N/A	58	43	85	15	87	13
<i>Virginia Average</i>	72	28	N/A	N/A	65	35	84	16	87	13
Grade 5	77	23	71	29	74	26	90	10	--	--
<i>Virginia Average</i>	73	27	71	29	69	31	75	25	82	18
Grade 8	54	46	60	40	47	53	75	25	--	--
<i>Virginia Average</i>	71	29	70	30	61	39	76	24	81	19

Table VII: SOL Pass/Fail Rates, by High School (AY: 2012-2013)^{viii}

	Virginia		Giles County		Giles High School		Narrows High School	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
English Reading	89	11	83	17	80	20	88	12
English Writing	87	13	70	30	68	32	76	24
Algebra I	76	24	61	39	61	39	61	39
Geometry I	76	24	73	27	67	33	88	12
Algebra II	76	24	77	23	83	17	68	32
Biology	83	17	81	19	85	15	72	28
Chemistry	86	14	88	12	89	11	86	14
Earth Science	83	17	88	12	90	10	86	14

Table VIII: Four-Year Virginia On-Time Graduation Rate (AY: 2012-2013)^{ix}

	Cohort Size	Advanced Studies Diploma	Standard Diploma	Modified Standard Diploma	Special Diploma	General Achievement Diploma	Virginia On-Time Graduation Rate
All Students	205	52	110	<	<	0	83.4
<i>Economically Disadvantaged anytime</i>	92	<	52	<	<	0	71.7
<i>Homeless anytime</i>	<	0	0	0	0	0	<
Virginia On-Time Graduation Rate (All Students)							89.1%

Table IX: Trends for Program Completion (AY: 2010-2011 to AY: 2012-2013)^x

Count/ Percentage	2010-2011	2011-2012	2012-2013	Virginia (%) for 2011-2012*
	Advanced Diploma	51 / 32.08%	58 / 31.35%	52 / 28.26%
GED/ISAEP	-	-	<	2.02%
Modified Standard Diploma	<	11 / 5.95%	<	2.01%
Special Diploma	<	<	<	2.56%
Standard Diploma	88/55.35%	104/56.22%	109/59.24%	39.77%

Table X: Advanced Program Information (AY: 2010-2011 to AY: 2012-2013)^{xi}

Program type	2010-2011	2011-2012	2012-2013	Virginia (%) for 2011-2012
Advanced Placement Course Enrollment	<	<	<	20.38%
Dual Enrollment Courses Taken	54 / 7%	103 / 13.24%	207 / 27.24%	6.73%

Table XI: Career and Technical Education Trends (AY 2010-2011 to AY: 2012-2013)^{xii}

Count		2010-2011	2011-2012	2012-2013
NOCTI Assessments	Giles County	0	0	0
	State	4,664	4,250	4,577
State Licensures	Giles County	7	8	6
	State	880	707	673
Industry Certification	Giles County	164	194	259
	State	28,586	32,582	39,658
Workplace Readiness	Giles County	0	38	27
	State	2,589	13,653	21,312
Total Credentials Earned	Giles County	171	240	292
	State	36,719	51,192	66,220
Students Earning One or More Credentials	Giles County	105	198	242
	State	30,613	42,218	56,247
CTE Completers	Giles County	80	115	109
	State	41,329	41,677	40,761

Table XII: Trends for Teacher Education Attainment, by %^{xiii}

	2010-2011	2011-2012	2012-2013
Giles County			
Bachelor's Degree	58%	59%	61%
Master's Degree	40%	38%	36%
Doctoral Degree	0%	0%	0%
Virginia			
Bachelor's Degree	41%	42%	42%
Master's Degree	56%	55%	55%
Doctoral Degree	1%	1%	1%

Section II: Postsecondary Education Completion Data

Table XIII: Completions at Regional Community College Institutions During AY: 2012-2013, by Student County/City of Origin (Giles County)^{xiv}

Type of Credential	# of Completions for Students of City of Radford Origin			
	New River Community College	Wytheville Community College	Virginia Highlands College	All Public 2-Year in Virginia
Less than 1 Year	11	0	0	<i>Data Update Forthcoming</i>
1-2 Years	15	0	0	
Associate's (Bachelor's Credit)	21	0	0	
Associate's (Technical Credit)	20	0	0	
# of County/City Students Transferring from Institution to a Public/Private Non-Profit Institution in Virginia	<i>Data Update Forthcoming</i>			

Table XIV: Completions at Regional 4-Year Public and Non-Profit Institutions During AY: 2012-2013, by Student County/City of Origin (Giles County)^{xv}

Type of Credential	Virginia Tech	Radford University	Emory and Henry College (2011-2012 Only)	Virginia Intermont College	All Virginia Public 4+ Year Institutions	All Virginia Private Non-Profit 4+ Year Institutions
Associate's Degree	2	N/A	N/A	N/A	<i>Data Update Forthcoming</i>	
Bachelor's 4-Year	19	16	0	0	39	14
Bachelor's 5-Year	0	N/A	N/A	N/A	0	N/A
Master's Degree	1	5	0	N/A	<i>Data Update Forthcoming</i>	
Doctoral Degree	1	N/A	N/A	N/A		

ⁱ Source: U.S. Census Bureau. American Community Survey. 5-Year Estimates (2007-2011).

ⁱⁱ Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

ⁱⁱⁱ Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

^{iv} Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

^v Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

^{vi} Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

^{vii} Source: Virginia Department of Education School Report Cards.

^{viii} Source: Virginia Department of Education School Report Cards.

^{ix} Source: Virginia Department of Education School Report Cards.

^x Source: Virginia Department of Education School Report Cards. Data not available for AY: 2012-2013.

^{xi} Source: Virginia Department of Education School Report Cards. Data not available for AY: 2012-2013.

^{xii} Source: Virginia Department of Education School Report Cards.

^{xiii} Source: Virginia Department of Education School Report Cards.

^{xiv} Source: State Council of Higher Education for Virginia. Virginia College Navigator. Data for Localities and College to University.

^{xv} Source: State Council of Higher Education for Virginia. Virginia College Navigator. Data for Localities and College to University.