



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

Grayson 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	15,702	
Population between the Ages of 25 and 64	8,437	
Population Change (2002-2012)	-1,393	
Employment and Income Data		
Population Participating in the Labor Force	7,032 (44.8%)	
Unemployment Rate	5.0%	
Per Capita Income	\$24,651	
Education Attainment (Population Est.)		
Less than 9 th Grade	1,548	
9 th -12 th Grade, No Diploma	1,580	
High School Graduate	4,223	
Some College, no degree	1,937	
Associate's Degree	999	
Bachelor's Degree	1,084	
Graduate or Professional Degree	302	
Employment by Educational Attainment (25-64 Years Old)		
	<i>Estimated Number in Labor Force</i>	<i>Percentage Employed</i>
Less than High School Graduate	843	92.8%
High School Graduate	2,255	95.1%
Some College or Associate's Degree	1,855	97.4%
Bachelor's Degree or Higher	1,137	98.4%

Part B: Industry Data

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

LQ: >1= Above National Average Concentration of Employment

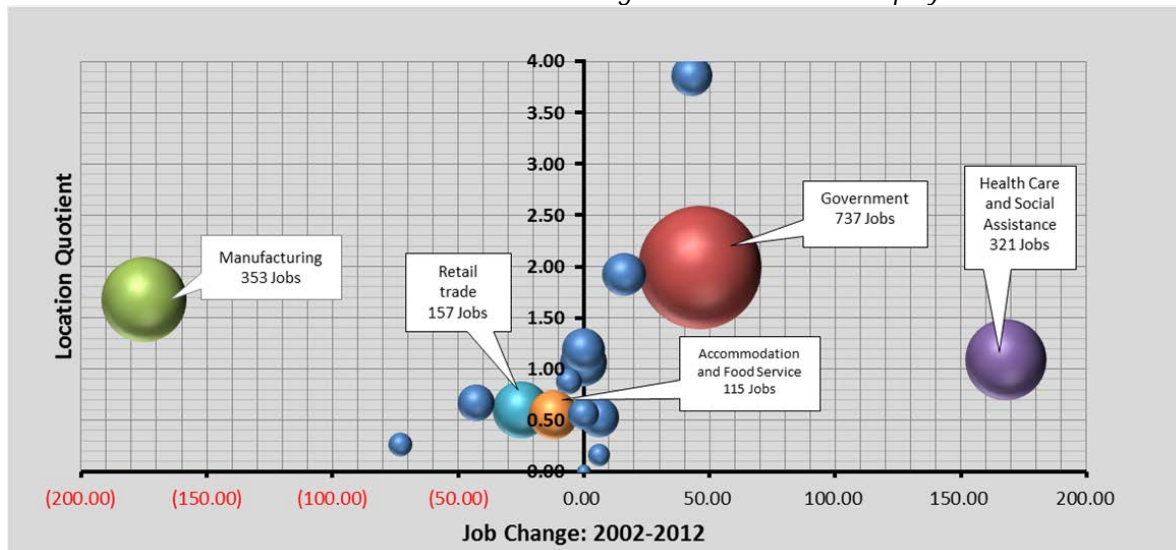


Table II: Top Ten Industries for Employment, by NAICS 3-Digitⁱⁱⁱ

	2002 Jobs	2012 Jobs	Change Jobs (2002-2012)	% of Change (2002-2012)	Average Wages, Salaries, & Proprietor Earnings
Local Government	615	664	49	8%	\$26,025
Social Assistance	13	133	120	923%	\$13,768
Wood Product Mfg.	159	129	(-30)	(-19%)	\$20,467
Ambulatory Health Care Services	55	100	45	82%	\$24,365
Computer and Electronic Product Mfg.	72	94	22	31%	\$58,423
Food Services and Drinking Places	91	91	0	0%	\$12,180
Nursing and Residential Care Facilities	85	88	3	4%	\$19,961
Educational Services (Private)	72	88	16	22%	\$26,752
Truck Transportation	<10	87	--	--	\$25,810
Credit Intermediation and Related Activities	92	87	(-5)	(-5%)	\$38,010

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	<10	.6%	<10	.6%
19-21 Years	<10	2.0%	14	4.4%
22-24 Years	11	3.1%	15	4.6%
25-34 Years	55	15.4%	56	17.2%
35-44 Years	79	22.2%	102	31.4%
45-54 Years	125	35.2%	67	20.6%
55-64 Years	62	17.6%	49	15.0%
65+ Years	14	4.0%	20	6.1%

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.	Personal Care Aides	102	--	4.40%	\$8.05	Short-term on-the-job training
2.	Elementary School Teachers, Except Special Education	79	9	3.41%	\$16.49	Bachelor's degree
3.	Heavy and Tractor-Trailer Truck Drivers	68	46	2.93%	\$14.50	Short-term on-the-job training
4.	Cashiers	65	3	2.80%	\$8.14	Short-term on-the-job training
5.	Combined Food Preparation and Serving Workers, Including Fast Food	63	9	2.72%	\$9.17	Short-term on-the-job training
6.	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	60	6	2.59%	\$8.53	Short-term on-the-job training
7.	Office Clerks, General	58	(-2)	2.50%	\$9.82	Short-term on-the-job training
8.	Teacher Assistants	55	5	2.37%	\$8.40	Short-term on-the-job training
9.	Secondary School Teachers, Except Special and Career/Technical Education	51	3	2.20%	\$17.56	Bachelor's degree
10.	Substitute Teachers	48	4	2.07%	\$8.48	Bachelor's degree
	Total for Top 10 Jobs	649	83	27.99%	**	**
	Total for County (All Jobs)	2,319	30	**	\$13.79	**

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. Personal Care Aides	102	Social Assistance	78.5%	58.2%
		Ambulatory Health Care Services	10.5%	11.8%
		Nursing and Residential Care Facilities	6.4%	7.2%
2. Elementary School Teachers, Except Special Education	79	Local Government	84.9%	9.9%
		Educational Services (Private)	15.0%	15.6%
3. Heavy and Tractor-Trailer Truck Drivers	68	Truck Transportation	77.0%	59.5%
		Wood Product Manufacturing	4.8%	2.3%
		Waste Management and Remediation Services	3.3%	14.6%
4. Cashiers	65	Gasoline Stations	43.8%	69.7%
		Food and Beverage Stores	24.4%	37.1%
		General Merchandise Stores	8.8%	26.1%
5. Combined Food Preparation and Serving Workers, including Fast Food	63	Food Services and Drinking Places	66.0%	45.5%
		Local Government	21.8%	2.0%
		Food and Beverage Stores	4.3%	6.2%
6. Janitors and Cleaners, Except Maids and Housekeeping Cleaners	60	Local Government	45.0%	4.1%
		Administrative and Support Services	31.3%	34.0%
		Educational Services (Private)	4.1%	3.4%
7. Office Clerks, General	58	Local Government	31.3%	2.6%
		Truck Transportation	5.4%	3.6%
		Ambulatory Health Care Services	5.4%	3.2%
8. Teachers Assistants	55	Local Government	85.0%	7.0%
		Educational Services (Private)	12.8%	9.4%
		Social Assistance	1.5%	0.6%
9. Secondary School Teachers, Except Special and Career/Technical Education	51	Local Government	82.1%	6.1%
		Educational Services	17.8%	11.9%
10. Substitute Teachers	48	Local Government	91.3%	6.4%
		Nonmetallic Mineral Product Mfg.	7.8%	4.9%
		Electrical Equipment, Appliance, and Component Mfg.	0.8%	0.7%

Part D: Education Data

Section I: Primary and Secondary School Data

Table VI: SOL Pass/Fail Rates for Elementary and Middle School – Grayson 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	66	34	63	37	48	52	69	31	<	<
<i>Virginia Average</i>	73	27	71	29	69	31	75	25	82	18
Grade 8	80	20	81	19	53	47	85	15	--	--
<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		Grayson County (Grayson County High School)	
	Pass	Fail	Pass	Fail
English Reading	89	11	83	17
English Writing	87	13	85	15
Algebra I	76	24	65	35
Geometry I	76	24	78	22
Algebra II	76	24	74	26
Biology	83	17	82	18
Chemistry	86	14	84	16
Earth Science	83	17	85	15

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	150	60	63	<	<	0	85.3
<i>Economically Disadvantaged anytime</i>	101	30	45	<	<	0	78.2
<i>Homeless anytime</i>	--	--	--	--	--	--	--
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	64 / 41.03%	55 / 37.16%	60 / 46.88%	52.3%
GED/ISAEP	<	<	<	2.02%
Modified Standard Diploma	<	<	<	2.01%
Special Diploma	<	<	<	2.56%
Standard Diploma	78 / 50%	75 / 50.68%	58 / 45.31%	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	-	-	151 / 25.55%	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	Grayson County	75	99	81
	State	4,664	4,250	4,577
State Licensures	Grayson County	8	4	2
	State	880	707	673
Industry Certification	Grayson County	2	8	7
	State	28,586	32,582	39,658
Workplace Readiness	Grayson County	0	0	0
	State	2,589	13,653	21,312
Total Credentials Earned	Grayson County	85	111	90
	State	36,719	51,192	66,220
Students Earning One or More Credentials	Grayson County	76	96	79
	State	30,613	42,218	56,247
CTE Completers	Grayson County	104	113	102
	State	41,329	41,677	40,761

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

	2010-2011	2011-2012	2012-2013
Grayson County			
Bachelor's Degree	53%	51%	55%
Master's Degree	46%	48%	44%
Doctoral Degree	1%	1%	1%
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 (Grayson County)^{xiv}

Type of Credential	# of Completions for Students of City of Grayson County Origin			
	New River Community College	Wytheville Community College	Virginia Highlands College	All Public 2-Year in Virginia
Less than 1 Year	3	31	0	<i>Data Update Forthcoming</i>
1-2 Years	0	57	0	
Associate's (Bachelor's Credit)	1	31	0	
Associate's (Technical Credit)	7	19	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 (Grayson County)^{xv}

Type of Credential	Virginia Tech	Radford University	Emory and Henry College (2011-2012 Data Only)	Virginia Intermont College	All Virginia Public 4+ Year Institutions	All Virginia Private Non-Profit 4+ Year Institutions
Associate's Degree	0	N/A	N/A	N/A	<i>Data Update Forthcoming</i>	
Bachelor's 4-Year	3	2	0	0	11	7
Bachelor's 5-Year	0	N/A	N/A	N/A	0	N/A
Master's Degree	0	3	0	N/A	<i>Data Update Forthcoming</i>	
Doctoral Degree	0	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.