



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

Floyd County, Virginia

Prepared by: Virginia Tech Office of Economic Development

## Part A: Economic and Demographic Data

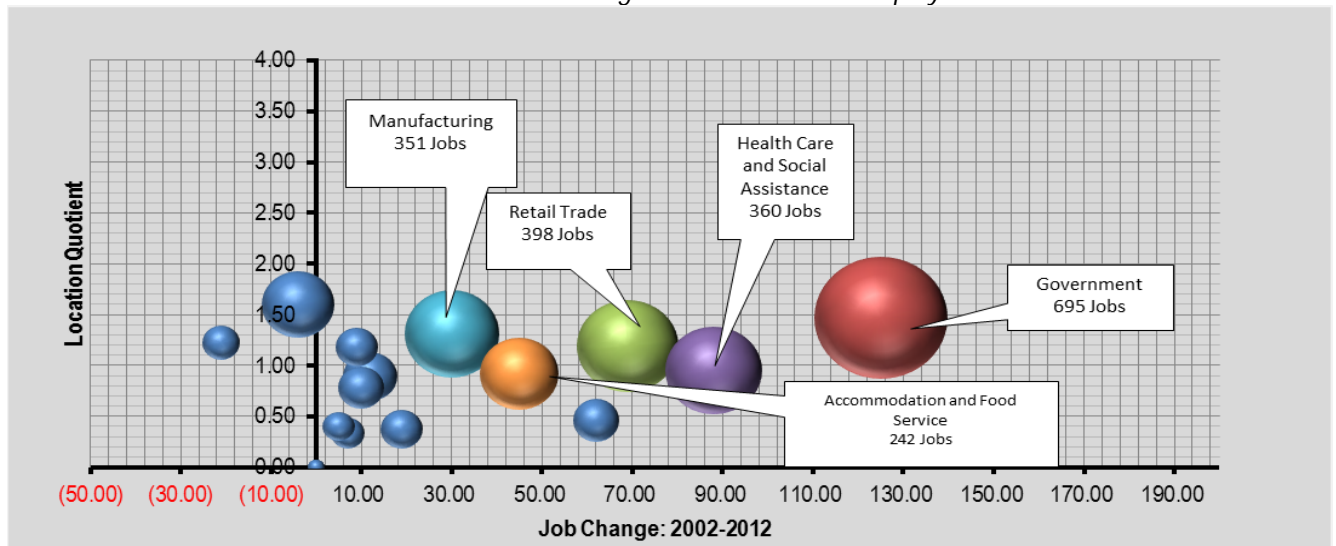
Table I: Population, Employment, and Educational Attainment Trends<sup>i</sup>

Population Data		
Population	15,156	
Population between the Ages of 25 and 64	8,217	
Population Change (2002-2012)	1,344	
Employment and Income Data		
Population Participating in the Labor Force	7,720 (50.9%)	
Unemployment Rate	6.0%	
Per Capita Income	\$28,260	
Education Attainment (Population Est.)		
Less than 9 <sup>th</sup> Grade	834 (10.1%)	
9 <sup>th</sup> -12 <sup>th</sup> Grade, No Diploma	1,428 (17.4%)	
High School Graduate	3,674 (44.7%)	
Some College, no degree	2,181 (26.5%)	
Associate's Degree	652 (7.9%)	
Bachelor's Degree	1,553 (18.9%)	
Graduate or Professional Degree	546 (6.6%)	
Employment by Educational Attainment (25-64 Years Old)		
	<i>Estimated Number in Labor Force</i>	<i>Percentage Employed</i>
Less than High School Graduate	823	88.1%
High School Graduate	2,692	96.4%
Some College or Associate's Degree	1,969	94.6%
Bachelor's Degree or Higher	1,603	91.2%

## Part B: Industry Data

Figure I: Industry Employment Trends (NAICS 2-Digit)<sup>ii</sup>

LQ: >1= Above National Average Concentration of Employment



**Table II: Top Ten Industries for Employment, by NAICS 3-Digit<sup>iii</sup>**

	2002 Jobs	2012 Jobs	Change Jobs (2002-2012)	% of Change (2002-2012)	Average Wages, Salaries, & Proprietor Earnings
Local Government	330	376	46	14%	\$35,642
State Government	188	268	80	43%	\$56,631
Food Services and Drinking Places	165	197	32	19%	\$11,859
Social Assistance	136	171	35	26%	\$18,299
Food and Beverage Stores	104	128	24	23%	\$17,152
Nursing and Residential Care Facilities	92	127	35	38%	\$29,537
Crop Production	145	121	(-24)	(-17%)	\$22,609
Specialty Trade Contractors	105	115	10	10%	\$23,380
Beverage and Tobacco Product Manufacturing	48	95	47	98%	\$23,568
Credit Intermediation and Related Activities	82	86	4	5%	\$35,697

**Table III: Worker Age Demographics (Manufacturing and Health Care and Social Assistance)<sup>iv</sup>**

	Manufacturing		Health Care & Social Assistance	
	Jobs (2013)	% of Total	Jobs (2013)	% of Total
14-18 Years	14	4.0%	<10	.5%
19-21 Years	13	3.7%	21	5.6%
22-24 Years	14	4.0%	31	8.2%
25-34 Years	72	20.5%	88	23.6%
35-44 Years	76	21.9%	80	21.3%
45-54 Years	84	24.1%	89	23.9%
55-64 Years	56	16.0%	42	11.4%
65+ Years	20	5.8%	21	5.6%

## Part C: Occupation Data

Table IV: Top Ten Occupations (SOC 5-Digit)<sup>v</sup>

Occupation		Jobs (2012)	Job Change (2002-2012)	% of All Jobs in County	Median Hourly Earnings (Region)	Educational Attainment (National)
1.	Cashiers	134	22	4.53%	\$8.14	Short-term on-the-job training
2.	Personal Care Aides	102	88	3.45%	\$8.60	Short-term on-the-job training
3.	Combined Food Preparation and Serving Workers, Including Fast Food	83	13	2.81%	\$9.51	Short-term on-the-job training
4.	Office Clerks, General	74	6	2.50%	\$10.36	Short-term on-the-job training
5.	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	69	(-16)	2.33%	\$8.58	Short-term on-the-job training
6.	Retail Salespersons	63	7	2.13%	\$8.76	Short-term on-the-job training
7.	Correctional Officers and Jailers	61	--	2.06%	\$17.74	Moderate-term on-the-job training
8.	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	61	3	2.06%	\$8.56	Short-term on-the-job training
9.	Waiters and Waitresses	55	12	1.86%	\$8.21	Short-term on-the-job training
10.	Elementary School Teachers, Except Special Education	52	0	1.76%	\$20.35	Bachelor's degree
	<b>Total for Top 10 Jobs</b>	<b>754</b>	<b>135</b>	<b>25.48%</b>	<b>**</b>	<b>**</b>
	<b>Total for County (All Jobs)</b>	<b>2,959</b>	<b>384</b>	<b>**</b>	<b>\$14.22</b>	<b>**</b>

Table V: Industry Staffing Patterns for County's Top Ten Occupations for Employment (2012)<sup>vi</sup>

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	134	Gasoline Stations	36.3%	69.7%
		Food and Beverage Stores	35.4%	36.7%
		General Merchandise Stores	9.2%	26.1%
2. Personal Care Aides	102	Personal Care Aides	88.8%	53.6%
		Nursing and Residential Care Facilities	4.2%	3.7%
		State Government	3.6%	1.5%
3. Combined Food Preparation and Serving Workers, including Fast Food	83	Food Services and Drinking Places	67.2%	28.2%
		Local Government	13.0%	2.7%
		Food and Beverage Stores	9.9%	6.3%
4. Office Clerks, General	74	State Government	12.9%	3.5%
		Local Government	9.7%	1.9%
		Professional, Scientific, and Technical Services	6.2%	6.8%
5. Farmworkers and Laborers, Crop, Nursery, and Greenhouse	69	Crop Production	94.8%	53.9%
		Animal Production	3.0%	50.5%
		Beverage and Tobacco Product Manufacturing	0.9%	0.6%
6. Retail Salesperson	63	Motor Vehicle and Parts Dealers	22.5%	21.6%
		Building Material and Garden Equipment and Supplies Dealers	17.0%	37.5%
		General Merchandise Stores	16.7%	22.4%
7. Correctional Officers and Jailers	61	State Government	97.7%	22.6%
		Local Government	1.5%	0.2%
		Federal Government	0.8%	1.0%
8. Janitors and Cleaners, Except Maids and Housekeeping Cleaners	61	Administrative and Support Services	36.7%	27.3%
		Local Government	31.0%	5.1%
		Performing Arts, Spectator Sports, and Related Industries	3.5%	7.5%
9. Waiters and Waitresses	55	Food Services and Drinking Places	90.7%	25.3%
		Accommodation	3.0%	3.7%
		Beverage and Tobacco Product Manufacturing	2.4%	1.3%
10. Elementary School Teachers, Except Special Education	52	Local Government	99.9%	13.8%

## Part D: Education Data

### Section I: Primary and Secondary School Data

Table VI: SOL Pass/Fail Rates for Elementary and Middle School – Floyd County (AY: 2012-2013)  
(All)<sup>vii</sup>

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	74	26	68	32	76	24	78	22	<	<
<i>Virginia Average</i>	73	27	71	29	69	31	75	25	82	18
Grade 8	74	26	70	30	63	37	77	23	<	<
<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)<sup>viii</sup>

	Virginia		Floyd County (Floyd County High School)	
	Pass	Fail	Pass	Fail
English Reading	89	11	89	11
English Writing	87	13	84	16
Algebra I	76	24	59	41
Geometry I	76	24	76	24
Algebra II	76	24	89	11
Biology	83	17	76	24
Chemistry	86	14	97	3
Earth Science	83	17	90	10

Table VIII: Four-Year Virginia On-Time Graduation Rate (AY: 2012-2013)<sup>ix</sup>

	Cohort Size	Advanced Studies Diploma	Standard Diploma	Modified Standard Diploma	Special Diploma	General Achievement Diploma	Virginia On-Time Graduation Rate
<b>All Students</b>	161	70	68	<	<	0	93.8
<i>Economically Disadvantaged anytime</i>	80	25	38	<	<	0	88.8
<i>Homeless anytime</i>	<	0	<	0	0	0	<
<b>Virginia On-Time Graduation Rate (All Students)</b>							<b>89.1%</b>

Table IX: Trends for Program Completion (AY: 2010-2011 to AY: 2012-2013)<sup>x</sup>

Count/ Percentage	2010-2011	2011-2012	2012-2013	Virginia (%) for 2011-2012*
Advanced Diploma	65 / 45.45%	74 / 45.96%	68 / 43.87%	52.3%
GED/ISAEP	-	-	<	2.02%
Modified Standard Diploma	<	<	<	2.01%
Special Diploma	<	<	<	2.56%
Standard Diploma	65 / 45.45%	78 / 48.45%	72 / 46.45%	39.77%

Table X: Advanced Program Information (AY: 2010-2011 to AY: 2012-2013)<sup>xi</sup>

Program type	2010-2011	2011-2012	2012-2013	Virginia (%) for 2011-2012
Advanced Placement Course Enrollment	40 / 6.18%	44 / 7.03%	86 / 13.78%	20.38%
Dual Enrollment Courses Taken	115 / 17.77%	138 / 22.04%	134 / 21.47%	6.73%

Table XI: Career and Technical Education Trends (AY 2010-2011 to AY: 2012-2013)<sup>xii</sup>

Count		2010-2011	2011-2012	2012-2013
NOCTI Assessments	Floyd County	0	0	0
	State	4,664	4,250	4,577
State Licensures	Floyd County	0	0	0
	State	880	707	673
Industry Certification	Floyd County	35	46	51
	State	28,586	32,582	39,658
Workplace Readiness	Floyd County	2	6	33
	State	2,589	13,653	21,312
Total Credentials Earned	Floyd County	37	52	84
	State	36,719	51,192	66,220
Students Earning One or More Credentials	Floyd County	37	48	78
	State	30,613	42,218	56,247
CTE Completers	Floyd County	79	100	95
	State	41,329	41,677	40,761

Table XII: Trends for Teacher Education Attainment, by %<sup>xiii</sup>

	2010-2011	2011-2012	2012-2013
<b>Floyd County</b>			
Bachelor's Degree	48%	53%	52%
Master's Degree	51%	45%	45%
Doctoral Degree	0%	0%	0%
<b>Virginia</b>			
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 (Floyd County)<sup>xiv</sup>**

Type of Credential	# of Completions for Students of Floyd County Origin			
	New River Community College	Wytheville Community College	Virginia Highlands College	All Public 2-Year in Virginia
Less than 1 Year	17	0	0	<i>Data Update Forthcoming</i>
1-2 Years	10	0	0	
Associate's (Bachelor's Credit)	8	0	0	
Associate's (Technical Credit)	19	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 (Floyd County)<sup>xv</sup>**

Type of Credential	Virginia Tech	Radford University	Emory and Henry College (2011-2012 Only)	Virginia Intermont	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	10	22	3	0	36	11
Bachelor's 5-Year	0	N/A	N/A	N/A	0	N/A
Master's Degree	1	9	0	N/A	<i>Data Update Forthcoming</i>	
Doctoral Degree	0	N/A	N/A	N/A		

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

<sup>ii</sup> Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

<sup>iii</sup> Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

<sup>iv</sup> Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

<sup>v</sup> Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

<sup>vi</sup> Source: emsiAnalyst. 2013.4 Class of Worker Data. QCEW.

<sup>vii</sup> Source: Virginia Department of Education School Report Cards.

<sup>viii</sup> Source: Virginia Department of Education School Report Cards.

<sup>ix</sup> Source: Virginia Department of Education School Report Cards.

<sup>x</sup> Source: Virginia Department of Education School Report Cards. Data not available for AY: 2012-2013.

<sup>xi</sup> Source: Virginia Department of Education School Report Cards. Data not available for AY: 2012-2013.

<sup>xii</sup> Source: Virginia Department of Education School Report Cards.



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<sup>xiii</sup> Source: Virginia Department of Education School Report Cards.

<sup>xiv</sup> Source: State Council of Higher Education for Virginia. Virginia College Navigator. Data for Localities and College to University.

<sup>xv</sup> Source: State Council of Higher Education for Virginia. Virginia College Navigator. Data for Localities and College to University.