



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

City of Galax, Virginia

Prepared by: Virginia Tech Office of Economic Development

## Part A: Economic and Demographic Data

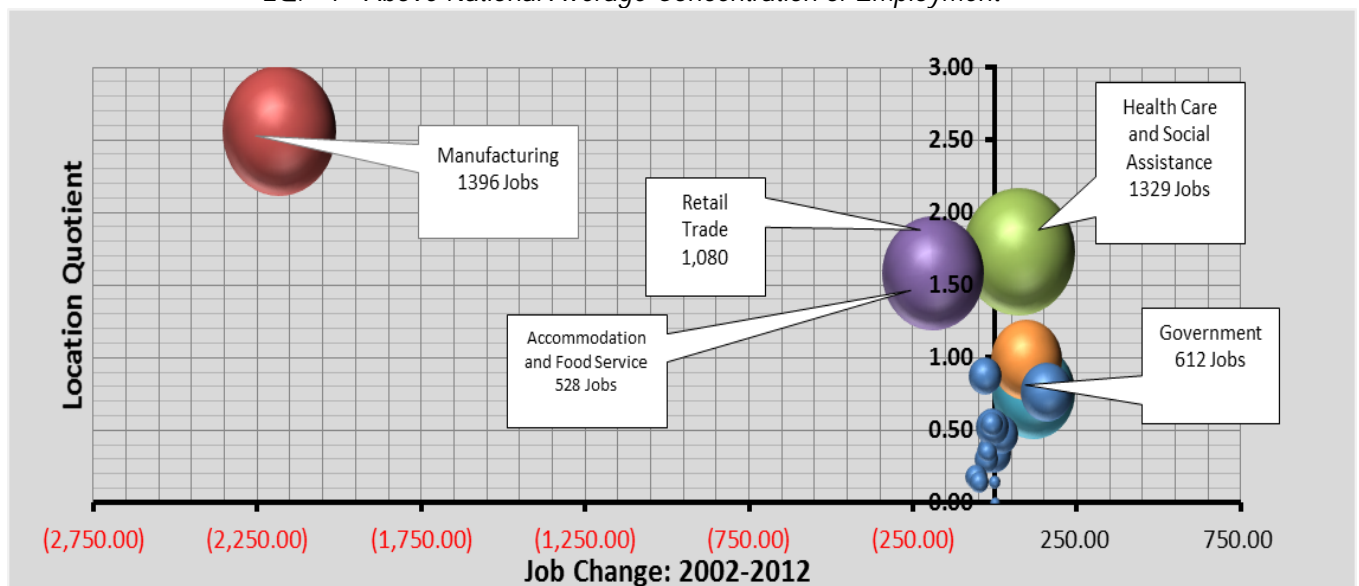
Table I: Population, Employment, and Educational Attainment Trends<sup>i</sup>

Population Data		
Population	6,959	
Population between the Ages of 25 and 64	3,511	
Population Change (2002-2012)	276	
Employment and Income Data		
Population Participating in the Labor Force	3,090 (44.4%)	
Unemployment Rate	3.8%	
Per Capita Income	\$29,698	
Education Attainment (Population Est.)		
Less than 9 <sup>th</sup> Grade	659	
9 <sup>th</sup> -12 <sup>th</sup> Grade, No Diploma	560	
High School Graduate	1,838	
Some College, no degree	1,212	
Associate's Degree	385	
Bachelor's Degree	475	
Graduate or Professional Degree	219	
Employment by Educational Attainment (25-64 Years Old)		
	<i>Estimated Number in Labor Force</i>	<i>Percentage Employed</i>
Less than High School Graduate	357	96.4%
High School Graduate	640	95.0%
Some College or Associate's Degree	1,157	94.0%
Bachelor's Degree or Higher	398	100%

## 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
Furniture and Related Product Mfg.	2,311	725	(-1,586)	(-69%)	\$30,952
Local Government	500	624	124	25%	\$29,128
Food Services and Drinking Places	432	521	89	21%	\$12,262
General Merchandise Stores	490	461	(-29)	(-6%)	\$21,993
Hospitals (Private)	569	432	(-137)	(-24%)	\$37,573
Nursing and Residential Care Facilities	359	418	59	16%	\$26,023
Ambulatory Health Care Services	326	337	11	3%	\$52,566
Administrative and Support Services	121	278	157	130%	\$17,947
Wood Product Mfg.	81	255	174	215%	\$26,282
Nonmetallic Mineral Product Mfg.	424	222	(-202)	(-48%)	\$27,386

**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	12	.8%	<10	.2%
19-21 Years	44	3.1%	32	2.4%
22-24 Years	47	3.3%	64	4.9%
25-34 Years	177	12.3%	212	16.0%
35-44 Years	358	24.8%	316	23.9%
45-54 Years	430	29.9%	338	25.5%
55-64 Years	293	20.3%	281	21.2%
65+ Years	81	5.6%	80	6.1%

## 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	279	(-6)	4.62%	\$9.40	Short-term on-the-job training
2.	Retail Salespersons	273	(-75)	4.52%	\$8.77	Short-term on-the-job training
3.	Combined Food Preparation and Serving Workers, Including Fast Food	256	18	4.24%	\$8.12	Short-term on-the-job training
4.	Registered Nurses	185	(-35)	3.06%	\$23.71	Associate's degree
5.	Customer Service Representatives	177	78	2.93%	\$9.81	Short-term on-the-job training
6.	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	162	(-39)	2.68%	\$10.21	Short-term on-the-job training
7.	Nursing Assistants	142	(-24)	2.35%	\$10.40	Postsecondary non-degree award
8.	Office Clerks, General	140	(-29)	2.32%	\$10.24	Short-term on-the-job training
9.	Stock Clerks and Order Fillers	138	(-41)	2.28%	\$8.59	Short-term on-the-job training
10.	Licensed Practical and Licensed Vocational Nurses	114	(-10)	1.89%	\$16.30	Postsecondary non-degree award
	<b>Total for Top 10 Jobs</b>	<b>1,866</b>	<b>(-163)</b>	<b>30.89%</b>	<b>**</b>	<b>**</b>
	<b>Total for County (All Jobs)</b>	<b>6,040</b>	<b>(-2,152)</b>	<b>**</b>	<b>\$13.90</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	285	General Merchandise Stores	40.3%	23.7%
			Food and Beverage Stores	22.8%	37.1%
			Gasoline Stations	16.2%	69.7%
2.	Retail Salespersons	273	General Merchandise Stores	45.0%	25.6%
			Electronics and Appliance Stores	12.1%	51.1%
			Clothing and Clothing Accessories Stores	11.0%	70.5%
3.	Combined Food Preparation and Serving Workers, Including Fast Food	256	Food Services and Drinking Places	86.5%	42.3%
			Food and Beverage Stores	4.2%	6.2%
			Local Government	3.3%	1.3%
4.	Registered Nurses	185	Hospitals (Private)	69.7%	30.3%
			Nursing and Residential Care Facilities	13.4%	6.1%
			Ambulatory Health Care Services	12.4%	6.6%
5.	Customer Service Representatives	177	Administrative and Support Services	63.5%	41.3%
			Furniture and Related Product Mfg.	5.7%	1.4%
			General Merchandise Stores	4.8%	1.9%
6.	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	162	Furniture and Related Product Manufacturing	57.2%	12.8%
			Wood Product Manufacturing	42.7%	26.5%
			Building Material and Garden Equipment and Supplies Dealers	0.1%	0.2%
7.	Nursing Assistants	142	Nursing and Residential Care Facilities	73.9%	25.3%
			Hospitals (Private)	19.9%	6.5%
			Ambulatory Health Care Services	3.1%	1.3%
8.	Office Clerks, General	140	Local Government	15.3%	3.4%
			Furniture and Related Product Manufacturing	11.1%	2.1%
			Ambulatory Health Care Services	11.0%	4.4%
9.	Stock Clerks and Order Fillers	138	General Merchandise Stores	55.4%	16.1%
			Food and Beverage Stores	19.8%	15.9%
			Furniture and Related Product Mfg.	5.6%	1.1%
10.	Licensed Practical and Licensed Vocational Nurses	114	Nursing and Residential Care Facilities	60.5%	16.6%
			Ambulatory Health Care Services	18.1%	5.8%
			Hospitals (Private)	16.4%	4.3%

## Part D: Education Data

### Section I: Primary and Secondary School Data

Table VI: SOL Pass/Fail Rates for Elementary and Middle School – Galax City (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	74	26	N/A	N/A	58	42	81	19	88	12
<i>Virginia Average</i>	72	28	N/A	N/A	65	35	84	16	87	13
Grade 5	72	28	63	37	36	64	77	23	<	<
<i>Virginia Average</i>	73	27	71	29	69	31	75	25	82	18
Grade 8	68	32	62	38	<	<	65	35	<	<
<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		Galax City (Galax High School)	
	Pass	Fail	Pass	Fail
English Reading	89	11	92	8
English Writing	87	13	77	23
Algebra I	76	24	83	17
Geometry I	76	24	73	27
Algebra II	76	24	68	32
Biology	83	17	80	20
Chemistry	86	14	83	17
Earth Science	83	17	86	14

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>	96	50	33	0	0	0	86.5
<i>Economically Disadvantaged anytime</i>	52	21	21	0	0	0	80.8
<i>Homeless anytime</i>	--	--	--	--	--	--	--
<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	56 / 52.83%	55 / 59.78%	50 / 55.56%
GED/ISAEP	<	<	<	2.02%
Modified Standard Diploma	<	<	<	2.01%
Special Diploma	<	<	<	2.56%
Standard Diploma	43/40.57%	29/31.52%	33/36.67%	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	67 / 17.01%	25 / 6.35%	23 / 6.01%	20.38%
Dual Enrollment Courses Taken	-	47 / 11.93%	35 / 9.14%	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	Galax City	0	0	0
	State	4,664	4,250	4,577
State Licensures	Galax City	0	0	0
	State	880	707	673
Industry Certification	Galax City	18	96	127
	State	28,586	32,582	39,658
Workplace Readiness	Galax City	0	5	17
	State	2,589	13,653	21,312
Total Credentials Earned	Galax City	18	101	144
	State	36,719	51,192	66,220
Students Earning One or More Credentials	Galax City	15	59	124
	State	30,613	42,218	56,247
CTE Completers	Galax City	63	53	52
	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>Galax City</b>			
Bachelor's Degree	53%	51%	55%
Master's Degree	46%	48%	44%
Doctoral Degree	1%	1%	1%
<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 (Galax City)<sup>xiv</sup>**

Type of Credential	# of Completions for Students of City of Galax Origin			
	New River Community College	Wytheville Community College	Virginia Highlands College	All Public 2-Year in Virginia
Less than 1 Year	0	24	0	<i>Data Update Forthcoming</i>
1-2 Years	0	35	0	
Associate's (Bachelor's Credit)	0	14	0	
Associate's (Technical Credit)	1	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 (Galax City)<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	5	12	1	7	28	6
Bachelor's 5-Year	0	N/A	N/A	N/A	0	N/A
Master's Degree	1	7	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.