



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

City of Bristol, Virginia

Prepared by: Virginia Tech Office of Economic Development

## Part A: Economic and Demographic Data

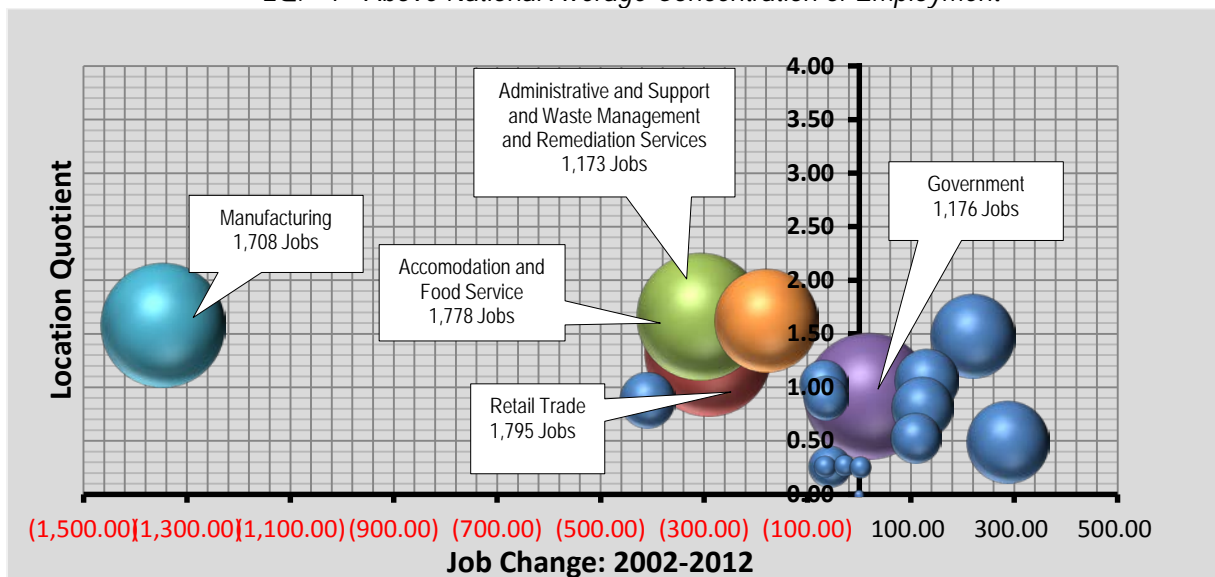
Table I: Population, Employment, and Educational Attainment Trends<sup>i</sup>

Population Data		
Population	17,718	
Population between the Ages of 25 and 64	9,059	
Population Change (2002-2012)	695	
Employment and Income Data		
Population Participating in the Labor Force	7,932 (44.8%)	
Unemployment Rate	11.5%	
Per Capita Income	\$33,851	
Education Attainment (Population Est.)		
Less than 9 <sup>th</sup> Grade	966 (10.7%)	
9 <sup>th</sup> -12 <sup>th</sup> Grade, No Diploma	1,590 (17.6%)	
High School Graduate	3,610 (39.8%)	
Some College, no degree	2,732 (30.2%)	
Associate's Degree	1,022 (11.3%)	
Bachelor's Degree	1,840 (20.3%)	
Graduate or Professional Degree	725 (8.0%)	
Employment by Educational Attainment (25-64 Years Old)		
	<i>Estimated Number in Labor Force</i>	<i>Percentage Employed</i>
Less than High School Graduate	605	64.6%
High School Graduate	1,608	87.7%
Some College or Associate's Degree	2,279	93.5%
Bachelor's Degree or Higher	1,763	97.2%

## 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
Food Services and Drinking Places	1,898	1,615	(-283)	(-15%)	\$14,122
Local Government	1,007	1,368	361	36%	\$37,623
Administrative and Support Services	1,352	1,173	(-179)	(-13%)	\$24,614
Electrical Equipment, Appliance, and Component Mfg.	473	652	179	38%	\$45,678
Merchant Wholesalers, Durable Goods	194	578	384	198%	\$28,434
Food and Beverage Stores	475	502	27	6%	\$16,749
General Merchandise Stores	398	448	50	13%	\$18,366
Fabricated Metal Product Mfg.	181	298	117	65%	\$59,655
Food Manufacturing	427	275	(-152)	(-36%)	\$36,177
State Government	469	271	(-198)	(-42%)	\$49,311

**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	<10	.2%	<10	.4%
19-21 Years	21	1.3%	20	2.6%
22-24 Years	44	2.6%	40	5.3%
25-34 Years	213	12.9%	169	22.0%
35-44 Years	405	24.5%	219	28.6%
45-54 Years	515	31.1%	178	23.3%
55-64 Years	390	23.6%	114	14.9%
65+ Years	64	3.8%	23	3.0%

## 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.	Customer Service Representatives	747	252	6.24%	\$25.10	Short-term on-the-job training
2.	Combined Food Preparation and Serving Workers, Including Fast Food	584	(-83)	4.88%	\$8.48	Short-term on-the-job training
3.	Retail Salespersons	536	(-86)	4.48%	\$12.40	Short-term on-the-job training
4.	Cashiers	425	(-34)	3.55%	\$13.69	Short-term on-the-job training
5.	Waiters and Waitresses	409	(-66)	3.42%	\$10.89	Short-term on-the-job training
6.	Office Clerks, General	288	(-43)	2.41%	\$11.27	Short-term on-the-job training
7.	Stock Clerks and Order Fillers	238	(-105)	1.99%	\$10.52	Short-term on-the-job training
8.	First-Line Supervisors of Office and Administrative Support Workers	191	6	1.60%	\$37.42	Work experience in a related occupation
9.	Telemarketers	186	34	1.55%	\$9.87	Short-term on-the-job training
10.	Cooks, Restaurant	166	(-23)	1.39%	\$22.43	Moderate-term on-the-job training
	<b>Total for Top 10 Jobs</b>	<b>3,770</b>	<b>(-148)</b>	<b>31.50%</b>	<b>**</b>	<b>**</b>
	<b>Total for County (All Jobs)</b>	<b>11,970</b>	<b>(-1,957)</b>	<b>**</b>	<b>\$19.98</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.	Customer Service Representatives	747	<b>Administrative and Support Services</b>	<b>66.4%</b>	<b>42.7%</b>
			Merchant Wholesalers, Durable Goods	5.3%	5.7%
			Credit Intermediation and Related Activities	4.3%	12.9%
2.	Combined Food Preparation and Serving Workers, Including Fast Food	584	<b>Food Services and Drinking Places</b>	<b>87.9%</b>	<b>31.8%</b>
			Food and Beverage Stores	5.8%	2.4%
			Local Government	2.4%	1.1%
3.	Retail Salespersons	536	<b>General Merchandise Stores</b>	<b>27.5%</b>	<b>31.6%</b>
			Clothing and Clothing Accessories Stores	31.6%	71.2%
			Building Material and Garden Equipment and Supplies Dealers	10.2%	41.9%
4.	Cashiers	425	<b>Food and Beverage Stores</b>	<b>38.9%</b>	<b>33.3%</b>
			General Merchandise Stores	18.1%	16.4%
			Gasoline Stations	11.1%	61.3%
5.	Waiters and Waitresses	409	<b>Food Services and Drinking Places</b>	<b>95.5%</b>	<b>24.1%</b>
			Accommodation	3.3%	6.8%
			Amusement, Gambling, and Recreation Industries	0.3%	7.0%
6.	Office Clerks, General	288	<b>Local Government</b>	<b>12.5%</b>	<b>2.6%</b>
			Merchant Wholesalers, Durable Goods	10.4%	4.9%
			Administrative and Support Services	7.6%	7.6%
7.	Stock Clerks and Order Fillers	238	<b>Food and Beverage Stores</b>	<b>35.8%</b>	<b>17.3%</b>
			General Merchandise Stores	31.8%	16.3%
			Merchant Wholesalers, Durable Goods	8.0%	3.2%
8.	First-Line Supervisors of Office and Administrative Support Workers	191	<b>Administrative and Support Services</b>	<b>20.6%</b>	<b>8.9%</b>
			Credit Intermediation and Related Activities	10.5%	2.8%
			General Merchandise Stores	7.2%	2.8%
9.	Telemarketers	186	<b>Administrative and Support Services</b>	<b>97.6%</b>	<b>15.3%</b>
			Merchant Wholesalers, Durable Goods	0.8%	0.2%
			Credit Intermediation and Related Activities	0.5%	0.4%
10.	Cooks, Restaurant	166	<b>Food Services and Drinking Places</b>	<b>95.6%</b>	<b>9.9%</b>
			Accommodation	3.3%	2.8%
			Local Government	0.2%	0.0%

## Part D: Education Data

### Section I: Primary and Secondary School Data

Table VI: SOL Pass/Fail Rates for Elementary and Middle School – Bristol City (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	59	41	N/A	N/A	49	51	74	26	71	29
<i>Virginia Average</i>	72	28	N/A	N/A	65	35	84	16	87	13
Grade 5	70	30	65	35	53	47	74	26	<	<
<i>Virginia Average</i>	73	27	71	29	69	31	75	25	82	18
Grade 8	62	38	65	35	59	41	46	54	--	--
<i>Virginia Average</i>	71	29	70	30	61	39	76	24	81	19

Table VII: SOL Pass/Fail Rates, by High School<sup>viii</sup>

	Virginia		Bristol City (Virginia High School)	
	Pass	Fail	Pass	Fail
English Reading	89	11	86	14
English Writing	87	13	90	10
Algebra I	76	24	59	41
Geometry I	76	24	80	20
Algebra II	76	24	87	13
Biology	83	17	79	21
Chemistry	86	14	96	4
Earth Science	83	17	78	22

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>	181	64	69	10	10	0	<b>84.5</b>
<i>Economically Disadvantaged anytime</i>	106	13	49	<	<	0	74.5
<i>Homeless anytime</i>	11	0	<	<	0	0	54.5
<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	54 / 37.5%	71 / 43.03%	64 / 40.51%
GED/ISAEP	<	<	<	2.02%
Modified Standard Diploma	<	<	<	2.01%
Special Diploma	13 / 9.03%	<	13 / 8.23%	2.56%
Standard Diploma	60 / 41.67%	69 / 41.82%	66 / 41.77%	39.77%

Table X: Advanced Program Information<sup>xi</sup>

Program type	2010-2011	2011-2012	2012-2013	Virginia (%) for 2011-2012
Advanced Placement Course Enrollment	46 / 6.87%	68 / 10.03%	63 / 9.52%	20.38%
Dual Enrollment Courses Taken	81 / 12.09%	47 / 6.93%	57 / 8.61%	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	Bristol City	3	9	1
	State	4,664	4,250	4,577
State Licensures	Bristol City	4	1	8
	State	880	707	673
Industry Certification	Bristol City	140	116	146
	State	28,586	32,582	39,658
Workplace Readiness	Bristol City	0	0	18
	State	2,589	13,653	21,312
Total Credentials Earned	Bristol City	147	126	173
	State	36,719	51,192	66,220
Students Earning One or More Credentials	Bristol City	112	113	143
	State	30,613	42,218	56,247
CTE Completers	Bristol City	83	80	65
	State	41,329	41,677	40,761

Table XII: Trends for Teacher Education Attainment, by % (All Bristol City School Division)<sup>xiii</sup>

	2010-2011	2011-2012	2012-2013
<b>Bristol City</b>			
Bachelor's Degree	50%	54%	52%
Master's Degree	46%	43%	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 (Bristol City)<sup>xiv</sup>**

Type of Credential	# of Completions for Students of Bristol City Origin			
	New River Community College	Wytheville Community College	Virginia Highlands College	All Public 2-Year in Virginia
Less than 1 Year	0	0	18	<i>Data Update Forthcoming</i>
1-2 Years	0	0	40	
Associate's (Bachelor's Credit)	0	0	15	
Associate's (Technical Credit)	0	3	15	
# 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 (Bristol City)<sup>xv</sup>**

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	1	N/A	N/A	N/A	<i>Data Update Forthcoming</i>	
Bachelor's 4-Year	11	0	4	7	16	15
Bachelor's 5-Year	0	N/A	N/A	N/A	0	N/A
Master's Degree	1	1	1	N/A	<i>Data Update Forthcoming</i>	
Doctoral Degree	0	N/A	N/A	N/A	<i>Data Update Forthcoming</i>	

<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.

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