



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

Wythe 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	29,116	
Population between the Ages of 25 and 64	15,832	
Population Change (2002-2012)	1,596	
Employment and Income Data		
Population Participating in the Labor Force	14,611 (50.2%)	
Unemployment Rate	9.3%	
Per Capita Income	\$29,035	
Education Attainment (Population Est.)		
Less than 9 th Grade	1,710	
9 th -12 th Grade, No Diploma	2,645	
High School Graduate	6,490	
Some College, no degree	4,516	
Associate's Degree	1,915	
Bachelor's Degree	2,009	
Graduate or Professional Degree	1,098	
Employment by Educational Attainment (25-64 Years Old)		
	<i>Estimated Number in Labor Force</i>	<i>Percentage Employed</i>
Less than High School Graduate	1,426	85.4%
High School Graduate	4,300	91.7%
Some College or Associate's Degree	4,069	92.1%
Bachelor's Degree or Higher	2,115	94.9%

Part B: Industry Data

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

LQ: >1= Above National Average Concentration of Employment

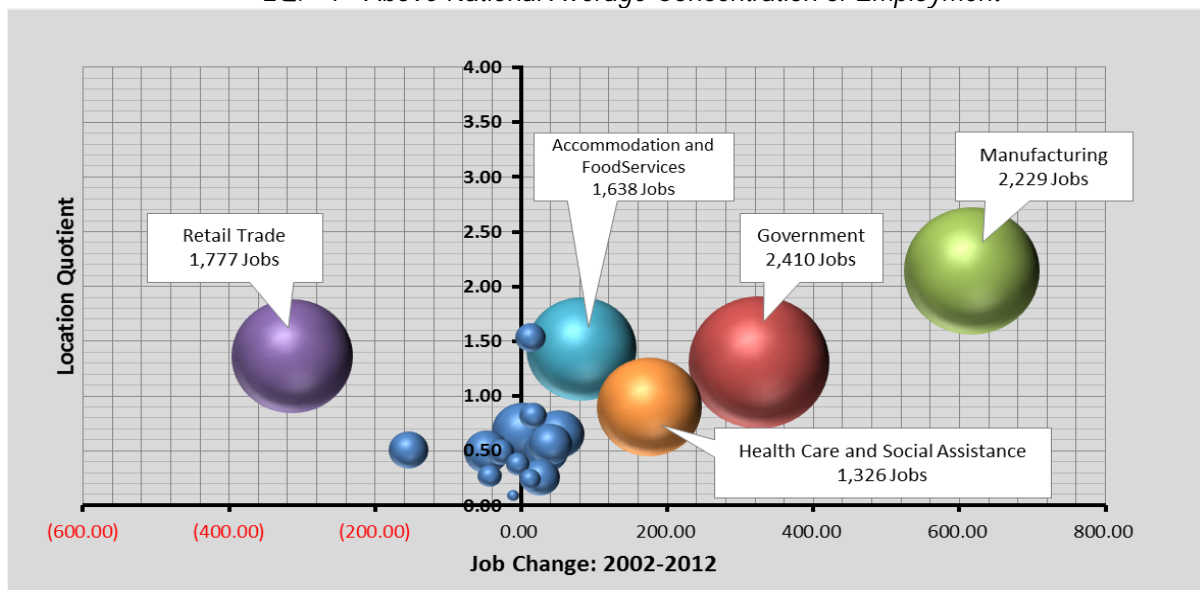


Table II: Top Ten Industries for Employment, by NAICS 3-Digitⁱⁱⁱ

	2002 Jobs	2012 Jobs	Change Jobs (2002-2012)	% of Change (2002-2012)	Average Wages, Salaries, & Proprietor Earnings
Local Government	1,349	1,651	302	22%	\$28,636
Food Services and Drinking Places	982	1,121	139	14%	\$13,693
Plastics and Rubber Products Manufacturing	785	701	(-84)	(-11%)	\$45,532
State Government	614	675	61	10%	\$36,659
Beverage and Tobacco Product Manufacturing	0	619	619	--	\$49,178
Gasoline Stations	590	503	(-87)	(-15%)	\$19,097
Transportation Equipment Manufacturing	195	446	251	129%	\$35,064
Administrative and Support Services	440	428	(-12)	(-3%)	\$18,520
General Merchandise Stores	426	413	(-13)	(-3%)	\$19,913
Hospitals (Private)	400	403	3	1%	\$40,960

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	.1%	14	1.1%
19-21 Years	37	1.7%	41	3.1%
22-24 Years	81	3.7%	69	5.1%
25-34 Years	449	20.4%	274	20.6%
35-44 Years	646	29.3%	309	23.2%
45-54 Years	655	29.7%	329	24.7%
55-64 Years	296	13.4%	220	16.5%
65+ Years	39	1.8%	76	5.7%

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	663	(-71)	5.7%	\$9.40	Short-term on-the-job training
2.	Combined Food Preparation and Serving Workers, Including Fast Food	500	93	4.3%	\$8.31	Short-term on-the-job training
3.	Retail Salespersons	389	(-50)	3.4%	\$12.02	Short-term on-the-job training
4.	Office Clerks, General	300	21	2.65	\$11.02	Short-term on-the-job training
5.	Waiters and Waitresses	268	10	2.3%	\$9.74	Short-term on-the-job training
6.	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	231	22	2.0%	\$8.87	Short-term on-the-job training
7.	Registered Nurses	185	13	1.6%	\$25.57	Associate's Degree
8.	Stock Clerks and Order Fillers	181	(-9)	1.6%	\$11.03	Short-term on-the-job training
9.	Personal Care Aides	180	107	1.6%	\$7.97	
10.	First-Line Supervisors of Retail Sales Workers	176	(-18)	1.5%	\$17.99	Work Experience in Related Occupation
	Total for Top 10 Jobs	3,073	118	26.7%	--	--
	Total for County (All Jobs)	11,540	786	100%	\$14.60	--

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	663	Gasoline Stations	52.6%	69.7%
		General Merchandise Stores	15.6%	24.2%
		Food and Beverage Stores	10.0%	34.4%
2. Combined Food Preparation and Serving Workers, Including Fast Food	500	Food Services and Drinking Places	83.3%	37.5%
		Local Government	4.7%	1.4%
		Gasoline Stations	4.7%	4.6%
3. Retail Salespersons	389	General Merchandise Stores	27.4%	25.0%
		Building Material and Garden Equipment and Supplies Dealers	15.8%	37.8%
		Motor Vehicle and Parts Dealers	12.6%	23.2%
4. Office Clerks, General	300	Local Government	18.4%	3.3%
		State Government	15.4%	7.0%
		Administrative and Support Services	8.7%	5.8%
5. Waiters and Waitresses	268	Food Services and Drinking Places	84.7%	20.1%
		Accommodation	7.6%	5.6%
		Beverage and Tobacco Product Manufacturing	3.2%	1.3%
6. Janitors and Cleaners, Except Maids and Housekeeping Cleaners	231	Administrative and Support Services	39.2%	20.7%
		Local Government	23.8%	3.4%
		State Government	6.9%	2.5%
7. Registered Nurses	185	Hospitals (Private)	65.6%	30.3%
		Ambulatory Health Care Services	13.0%	5.8%
		Local Government	5.8%	0.7%
8. Stock Clerks and Order Fillers	181	General Merchandise Stores	37.4%	15.9%
		Food And Beverage Stores	14.2%	13.5%
		Beverage and Tobacco Product Manufacturing	9.9%	2.9%
9. Personal Care Aides	180	Social Assistance	61.1%	47.7%
		Nursing and Residential Care Facilities	18.8%	12.3%
		Ambulatory Health Care Services	8.2%	3.7%
10. First Line Supervisors of Retail Sales Workers	176	Gasoline Stations	28.6%	10.1%
		General Merchandise Stores	23.9%	9.9%
		Building Material and Garden Equipment and Supplies Dealers	9.5%	10.3%

Part D: Education Data

Section I: Primary and Secondary School Data

Table VI: SOL Pass/Fail Rates for Elementary and Middle School – Wythe 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	78	22	69	31	85	15	92	8	78	22
<i>Virginia Average</i>	72	28	N/A	N/A	65	35	84	16	87	13
Grade 5	78	22	75	25	65	35	83	17	<	<
<i>Virginia Average</i>	73	27	71	29	69	31	75	25	82	18
Grade 8	61	39	63	37	40	60	73	27	<	<
<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		Wythe County (County-Wide)		Fort Chiswell High School		George Wythe High School		Rural Retreat High School	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
English Reading	89	11	87	13	86	14	88	12	91	9
English Writing	87	13	80	20	76	24	79	21	88	12
Algebra I	76	24	52	48	41	59	40	60	72	28
Geometry I	76	24	59	41	41	59	70	30	73	27
Algebra II	76	24	50	50	28	72	47	53	81	19
Biology	83	17	84	16	85	15	80	20	91	9
Chemistry	86	14	94	6	74	26	100	0	100	0
Earth Science	83	17	85	15	85	15	87	13	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	335	107	164	<	11	0	84.8
<i>Economically Disadvantaged anytime</i>	186	25	110	<	<	0	77.4
<i>Homeless anytime</i>	10	<	<	0	0	0	60
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	107 / 37.28%	128 / 39.51%	107 / 35.55%
GED/ISAEP	11/ 3.83%	<	<	2.02%
Modified Standard Diploma	<	<	<	2.01%
Special Diploma	<	11/ 3.4%	13/ 4.32%	2.56%
Standard Diploma	155/ 54.01%	168/ 51.85%	170/ 56.48%	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	<	71 / 5.48%	184 / 15.01%	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	Wythe County	68	97	79
	State	4,664	4,250	4,577
State Licensures	Wythe County	9	10	7
	State	880	707	673
Industry Certification	Wythe County	88	122	161
	State	28,586	32,582	39,658
Workplace Readiness	Wythe County	0	42	76
	State	2,589	13,653	21,312
Total Credentials Earned	Wythe County	165	271	323
	State	36,719	51,192	66,220
Students Earning One or More Credentials	Wythe County	126	199	243
	State	30,613	42,218	56,247
CTE Completers	Wythe County	215	258	239
	State	41,329	41,677	40,761

Table XII: Trends for Teacher Education Attainment, by % (All Bristol City School Division)^{xiii}

	2010-2011	2011-2012	2012-2013
Wythe County			
Bachelor's Degree	67%	69%	67%
Master's Degree	31%	28%	31%
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 (Wythe County)^{xiv}

Type of Credential	# of Completions for Students of Wythe County Origin			
	New River Community College	Wytheville Community College	Virginia Highlands College	All Public 2-Year in Virginia
Less than 1 Year	6	62	1	<i>Data Update Forthcoming</i>
1-2 Years	1	109	1	
Associate's (Bachelor's Credit)	2	45	0	
Associate's (Technical Credit)	11	53	1	
# 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 (Wythe 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	0	N/A	N/A	N/A	<i>Data Update Forthcoming</i>	
Bachelor's 4-Year	18	29	5	2	64	19
Bachelor's 5-Year	0	N/A	N/A	N/A	0	N/A
Master's Degree	2	7	1	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.