



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

City of Radford, 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	16,374	
Population between the Ages of 25 and 64	5,051	
Population Change (2002-2012)	506	
Employment and Income Data		
Population Participating in the Labor Force	7,661 (46.8%)	
Unemployment Rate	9.8%	
Per Capita Income	\$28,688	
Education Attainment (Population Est.)		
Less than 9 th Grade	253	
9 th -12 th Grade, No Diploma	507	
High School Graduate	1,508	
Some College, no degree	1,189	
Associate's Degree	696	
Bachelor's Degree	1,346	
Graduate or Professional Degree	990	
Employment by Educational Attainment (25-64 Years Old)		
	<i>Estimated Number in Labor Force</i>	<i>Percentage Employed</i>
Less than High School Graduate	172	100.0%
High School Graduate	674	84.7%
Some College or Associate's Degree	1,063	95.4%
Bachelor's Degree or Higher	1,757	96.2%

Part B: Industry Data

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

LQ: >1= Above National Average Concentration of Employment

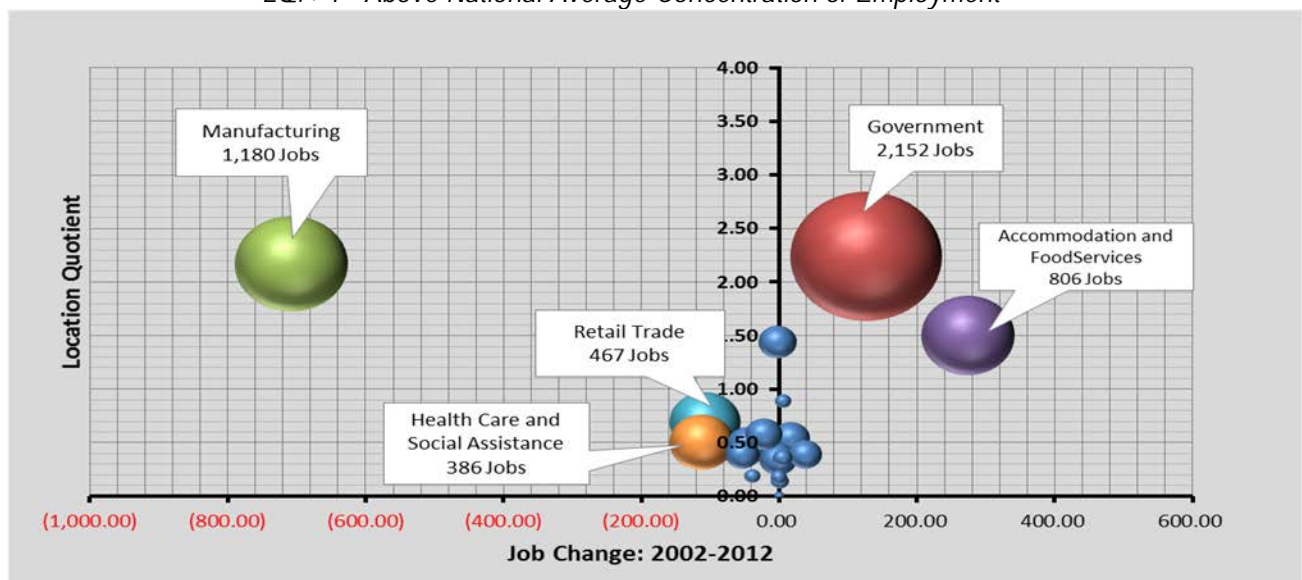


Table II: Top Ten Industries for Employment, by NAICS 3-Digitⁱⁱⁱ

	2002 Jobs	2012 Jobs	Change Jobs (2002-2012)	% of Change (2002-2012)	Average Wages, Salaries, & Proprietor Earnings
State Government	1,206	1,418	212	18%	\$38,723
Food Services and Drinking Places	473	752	279	59%	\$11,516
Electrical Equipment, Appliance, and Component Mfg.	527	621	94	18%	\$62,637
Local Government	671	589	(-82)	(-12%)	\$35,362
Chemical Manufacturing	42	403	361	860%	\$46,588
Ambulatory Health Care Services	293	215	(-78)	(-27%)	\$51,414
Administrative and Support Services	171	146	(-25)	(-15%)	\$36,218
Federal Government	148	145	(-3)	(-2%)	\$73,148
Professional, Scientific, and Technical Services	124	123	(-1)	(-1%)	\$46,979
Food and Beverage Stores	185	120	(-65)	(-35%)	\$15,985

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	.0%	<10	1.3%
19-21 Years	12	1.1%	18	4.3%
22-24 Years	28	2.5%	22	5.2%
25-34 Years	164	14.6%	85	20.1%
35-44 Years	272	24.2%	98	23.2%
45-54 Years	359	31.9%	109	25.8%
55-64 Years	266	23.6%	63	15.0%
65+ Years	24	2.1%	22	5.2%

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.	Postsecondary Teachers	465	62	7.73%	\$31.78	Doctoral degree
2.	Combined Food Preparation and Serving Workers, Including Fast Food	266	81	4.42%	\$8.08	Short-term on-the-job training
3.	Teachers and Instructors, All Other	237	48	3.94%	\$32.22	Bachelor's degree
4.	Cashiers	155	(-15)	2.58%	\$8.61	Short-term on-the-job training
5.	Electrical and Electronic Equipment Assemblers	150	22	2.49%	\$15.86	Short-term on-the-job training
6.	Waiters and Waitresses	150	42	2.49%	\$8.44	Short-term on-the-job training
7.	Office Clerks, General	141	(-5)	2.34%	\$12.23	Short-term on-the-job training
8.	Retail Salespersons	106	(-12)	1.76%	\$9.61	Short-term on-the-job training
9.	Bookkeeping, Accounting, and Auditing Clerks	93	4	1.55%	\$17.08	Moderate-term on-the-job training
10.	Office and Administrative Support Workers, All Other	81	13	1.35%	\$15.93	Short-term on-the-job training
	Total for Top 10 Jobs	1,844	240	30.65%	**	**
	Total for County (All Jobs)	6,017	(-597)	**	\$19.31	**

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.	Postsecondary Teachers	465	State Government	99.9%	32.7%
			Social Assistance	0.1%	0.3%
			Educational Services (Private)	0.0%	0.6%
2.	Combined Food Preparation and Serving Workers, Including Fast Food	266	Food Services and Drinking Places	88.0%	32.0%
			Food and Beverage Stores	3.7%	8.2%
			Local Government	3.2%	1.6%
3.	Teachers and Instructors, All Other	237	State Government	72.2%	11.6%
			Local Government	15.0%	6.0%
			Federal Government	5.3%	8.6%
4.	Cashiers	155	Food and Beverage Stores	30.4%	38.1%
			Gasoline Stations	23.3%	68.8%
			Food Services and Drinking Places	12.5%	2.6%
5.	Electrical and Electronic Equipment Assemblers	150	Electrical Equipment, Appliance, and Component Manufacturing	99.0%	23.7%
			Merchant Wholesalers, Durable Goods	0.4%	0.7%
			Administrative and Support Services	0.3%	0.3%
6.	Waiters and Waitresses	150	Food Services and Drinking Places	96.0%	18.6%
			Accommodation	1.9%	5.7%
			Local Government	0.7%	0.2%
7.	Office Clerks, General	141	State Government	47.8%	4.7%
			Local Government	7.6%	1.9%
			Ambulatory Health Care Services	5.5%	3.4%
8.	Retail Salespersons	106	Sporting Goods, Hobby, Book, and Music Stores	31.5%	50.0%
			Clothing and Clothing Accessories Stores	18.9%	70.7%
			Motor Vehicle and Parts Dealers	10.5%	21.5%
9.	Bookkeeping, Accounting, and Auditing Clerks	93	State Government	17.8%	1.1%
			Professional, Scientific, and Technical Services	10.3%	6.2%
			Chemical Manufacturing	8.3%	2.0%
10.	Office and Administrative Support Workers, All Other	81	State Government	71.2%	4.0%
			Local Government	12.3%	1.7%
			Federal Government	3.1%	1.8%

Part D: Education Data

Section I: Primary and Secondary School Data

Table VI: SOL Pass/Fail Rates for Elementary and Middle School – City of Radford (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	77	23	68	32	86	14	86	14	77	23
<i>Virginia Average</i>	72	28	N/A	N/A	65	35	84	16	87	13
Grade 5	79	21	68	32	70	30	89	11	--	--
<i>Virginia Average</i>	73	27	71	29	69	31	75	25	82	18
Grade 8	75	25	63	37	27	73	79	21	--	--
<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		Radford City (Radford HS)	
	Pass	Fail	Pass	Fail
English Reading	89	11	90	10
English Writing	87	13	91	9
Algebra I	76	24	82	18
Geometry I	76	24	82	18
Algebra II	76	24	75	25
Biology	83	17	84	16
Chemistry	86	14	92	8
Earth Science	83	17	80	20

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	104	50	44	0	<	0	94.2
<i>Economically Disadvantaged anytime</i>	40	<	23	0	<	0	87.5
<i>Homeless anytime</i>	<	0	<	0	0	0	<
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	43/38.05%	47/ 45.63%	50/ 48.54%
GED/ISAEP	<	<	<	2.02%
Modified Standard Diploma	<	<	<	2.01%
Special Diploma	<	<	<	2.56%
Standard Diploma	61/ 53.98%	46/ 44.66%	45/ 43.69%	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	53/ 11.73%	59/ 13.02%	57/ 12.64%	20.38%
Dual Enrollment Courses Taken	--	96/ 21.19%	110/ 24.39%	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	Radford city	8	12	0
	State	4,664	4,250	4,577
State Licensures	Radford city	0	0	0
	State	880	707	673
Industry Certification	Radford city	3	2	0
	State	28,586	32,582	39,658
Workplace Readiness	Radford city	0	0	23
	State	2,589	13,653	21,312
Total Credentials Earned	Radford city	11	14	23
	State	36,719	51,192	66,220
Students Earning One or More Credentials	Radford city	11	14	23
	State	30,613	42,218	56,247
CTE Completers	Radford city	30	41	34
	State	41,329	41,677	40,761

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

	2010-2011	2011-2012	2012-2013
City of Radford			
Bachelor's Degree	37%	38%	36%
Master's Degree	60%	59%	59%
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 (City of Radford)^{xiv}

Type of Credential	# of Completions for Students of City of Radford Origin			
	New River Community College	Wytheville Community College	Virginia Highlands College	All Public 2-Year in Virginia
Less than 1 Year	9	1	0	<i>Data Update Forthcoming</i>
1-2 Years	9	1	0	
Associate's (Bachelor's Credit)	21	1	0	
Associate's (Technical Credit)	22	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 (City of Radford)^{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	15	119	2	7	143	10
Bachelor's 5-Year	0	N/A	N/A	N/A	0	N/A
Master's Degree	2	18	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.