



United Way of Southwest Virginia
Careers Expo for Youth

SEPTEMBER 26-27, 2017
ABINGDON, VA



ABOUT THE CAREERS EXPO FOR YOUTH

Across the United Way of Southwest Virginia service area, the Ignite Program is sparking almost 30,000 students' interest in career opportunities by connecting schools and students with employers and employees through career development software, career guidance, soft skills training, a Careers Expo for Youth, Reality Stores and Educators in Industry.

As an extension of the United Way of Southwest Virginia Ignite Program, the Careers Expo for Youth will take place on September 26-27, 2017 at the Washington County Fairgrounds. Over 4,000 7th grade students from Southwest Virginia (17 school systems, 46 schools) will participate throughout the course of two days. Students will move through four zones filled with over 75 hands-on activities by regional employers in 16 different career paths (career clusters).

During this exciting career exploration experience, students will see first-hand what it's like to participate in a chemistry experiment, climb a utility pole, practice CPR, or use a 3D printer – directly from industry professionals.

Students participate in the Expo during 7th grade, just prior to taking their career assessments as required by the Virginia Department of Education; they'll have a much better understanding of career options and interests, and a realistic picture of the path they should take to match their passion with skill. Together, through the Careers Expo for Youth and the other components of our Ignite Program, we can help bridge the gap between the worlds of learning and work in Southwest Virginia.

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MESSAGE TO STUDENTS

Challenge yourself to ask one simple question: "What am I really good at doing?" When you're really good at something, you have the opportunity to turn this talent into something more: your job. This event is for you to see first-hand the jobs right here in our region that match your talents and dreams for the future. Ask employees what they love most about their companies and their jobs. Can you see yourself doing what they're doing after you have finished your education? Enjoy your time at the Expo and ask a lot of questions! When you are ready, you may want to discuss your career ideas with your school's Ignite Coordinator, your parents, or a mentor.

MESSAGE TO PARENTS AND GUARDIANS

Our youth here in Southwest Virginia undoubtedly have talents and interests. We ask that you encourage your student to cultivate his/her talents and interests now instead of later. It's not too early to make choices in school that will enhance your student's future. If you would like some tips or resources, visit our Ignite Program website at unitedwayswva.org/ignite. Thank you for allowing us this time to inspire and invest in your child. We plan to have lots of fun and really make an impact on their future!

To learn more about the Expo, visit swvaexpo.com!

PARTICIPATING EMPLOYERS

The Careers Expo for Youth could not happen without these employers, who are participating by giving their employees' time and talent to invest in the next generation of the workforce.

Abingdon Health and Rehab, Addison Surveyors, American Advertising Federation of Southwest Virginia, A. Morton Thomas and Associates, Appalachian College of Pharmacy, Appalachian Power, Appalachian Substance Abuse Coalition (ASAC), Bank of Marion, Barter Theatre, Berry Home Centers, Blood Assurance, Bluefield College, Blue Ridge Job Corps Center, Buchanan County Public Schools, Celanese Corporation, City of Galax – Tourism & Community Development, The Clifton Companies, Clinch Valley Medical Center, Crutchfield Corporation, Dickenson County Schools, Early Childhood Education/Virginia Quality, Ellis Brothers Builders, EnerVest Operating LLC, Emory and Henry College, Family Preservation Services, Food City, General Dynamics, Healthi Preparedness Project, Highlands Community Services, Highlands Union Bank, Keen Mountain Correctional Center, Lee County Schools, Lincoln Memorial University: Debusk School of Veterinarian Medicine, Mahoney's, Mercy Ambulance Service, Mohawk Industries, Mountain Empire Community College, Mountain States Health Alliance, New Peoples Bank, Occupational Enterprises, Orders Construction, Powell Valley Bank, Rooftop of Virginia, Southwest Virginia Advanced Manufacturing Center of Excellence, Southwest Virginia Community College, Southwest Virginia Higher Education: Robotics Team, Starnes, Inc., Stryker Martial Arts Academy, Sykes, Tadano Mantis Crane, Tempur Production, TruPoint Bank, US Army, USDA/Holston River Soil & Water Conservation, Utility Trailer Mfg. – Atkins, Utility Trailer Mfg. – Glade, UVA Wise, Virginia Dept of Game and Inland Fisheries, Virginia Department of Transportation, Virginia Highlands Community College, Virginia Oil and Gas Association, Virginia Produce, Virginia Small Business Development Center, Virginia State Police, Wamplers Insurance, Washington County Career & Technical Education Center, Washington County Sheriff's Office, WCYB-TV, Wellmont One, Wells Fargo, West River Conveyors & Machinery Company, Whitman Requardt & Associates, William King Museum of Art, Woodgrain Millwork, and Wytheville Community College.

16 CAREER CLUSTERS

All Careers Expo for Youth activities fall within one of sixteen career clusters - groupings of occupations and industries based on the things they have in common. Our sixteen career clusters are nationally-recognized, and they are the same ones used by the Virginia Department of Education.

-  **Agriculture, Food & Natural Resources**
-  **Architecture & Construction**
-  **Arts, A/V Technology & Communications**
-  **Business Management & Administration**
-  **Education & Training**
-  **Finance**
-  **Government & Public Administration**
-  **Health Science**
-  **Hospitality & Tourism**
-  **Human Services**
-  **Information Technology**
-  **Law, Public Safety, Corrections & Security**
-  **Manufacturing**
-  **Marketing**
-  **STEM (Science, Technology, Engineering & Mathematics)**
-  **Transportation, Distribution & Logistics**



AGRICULTURE, FOOD & NATURAL RESOURCES

12% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Agriculture, Food and Natural Resources cluster is about using your love of science, the environment or animals to improve the quality and safety of food, cultivate and preserve our natural resources, and care for animals. Agriculture is Virginia's largest private industry, with an economic impact of \$52 billion each year, providing over 300,000 jobs.

INCLUDES:

- Agribusiness Systems
- Animal Systems
- Environmental Systems
- Food Processing Systems
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Farmworkers, Farm, Ranch and Aquacultural Animals	107	120	\$24,820	HS or less & Training/Certification
Hazardous Materials Removal Workers	118	122	\$33,960	HS or less & Training/Certification
Water and Wastewater Treatment Plant and System Operators	681	781	\$40,940	Associate/Some college & Training/Certification
Refuse and Recyclable Material Collectors	403	452	\$26,620	HS or less & Training/Certification
Biological Technicians	235	256	\$40,090	Bachelor's or more

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>





ARCHITECTURE & CONSTRUCTION

<5% EXPECTED GROWTH
IN SWVA JOBS BY 2024

The Architecture and Construction cluster is about using your skills in design, planning and management. Careers include building and maintaining structures like commercial and office buildings, homes, or bridges. Work opportunities include developing new structures, restorations, additions, alterations, and repairs.

INCLUDES:

- Construction
- Operations
- Maintenance
- Design
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Construction Managers	468	470	\$95,760	Bachelor's or more & Training/Certification
First-Line Supervisors of Construction Trades and Extraction	1,306	1,350	\$59,680	HS or less & Work Experience
Carpenters	857	882	\$38,810	HS or less & Training/Certification
Cement Masons and Concrete Finishers	98	110	\$38,310	HS or less & Training/Certification
Construction Laborers	2,141	2,308	\$28,330	HS or less & Training/Certification
Operating Engineers and Other Construction Equipment Operators	1,628	1,687	\$37,890	HS or less & Training/Certification
Electricians	807	833	\$47,020	Associate/Some college & Training/Certification
Plumbers, Pipefitters and Steamfitters	417	459	\$44,170	HS or less & Training/Certification
Structural Metal Fabricators and Fitters	150	150	\$34,710	HS or less & Training/Certification
Excavating and Loading Machine and Dragline Operators	147	162	\$37,590	HS or less & Training/Cert. & Work Experience
Continuous Mining Machine Operators	946	856	\$43,010	HS or less & Training/Certification
Heating, Air Conditioning and Refrigeration Mechanics	242	256	\$47,370	Associate/Some college & Training/Certification
Cost Estimators	166	175	\$61,340	Bachelor's or more
Civil Engineers	160	176	\$80,900	Bachelor's or more
First-Line Supervisors of Landscaping, Lawn Service and Grooming	164	176	\$43,010	HS or less & Work Experience

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



ARTS, A/V TECHNOLOGY & COMMUNICATIONS

7% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Arts, Audio/Visual (A/V) Technology and Communications cluster is about flexing your creativity, design, writing, performing, and multimedia skills. Careers from graphic design to broadcast journalism focus on advanced technologies used in venues including corporate boardrooms, hotels and convention centers, classrooms, and museums.

INCLUDES:

- Audio/Visual Technology & Film
- Journalism & Broadcasting
- Visual Arts
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Editors	114	109	\$66,870	Bachelor's or more & Work Experience
Telecommunications Equipment Installers and Repairers	117	130	\$61,730	Associate/Some college & Training/Certification
Telecommunications Line Installers and Repairers	217	238	\$63,710	HS or less & Training/Certification
Graphic Designers	161	172	\$51,650	Bachelor's or more

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>





BUSINESS MANAGEMENT & ADMINISTRATION

<5% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

Business Management and Administration careers allow you to use your organizational and leadership skills to plan, direct and evaluate operations to run a successful business. There are a variety of career opportunities available that could involve hiring staff, analyzing data, or launching your own start-up company.

INCLUDES:

- Administrative Support
- Operations/Maintenance
- Design
- Pre-Construction
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
First-Line Supervisors of Office and Administrative	1,359	1,501	\$53,280	Associate/Some college & Work Experience
Bookkeeping, Accounting and Auditing Clerks	2,489	2,307	\$37,470	Associate/Some college & Training/Certification
Payroll and Timekeeping Clerks	109	107	\$42,220	Associate/Some college & Training/Certification
Customer Service Representatives	3,335	3,782	\$31,740	Associate/Some college & Training/Certification
Interviewers, Except Eligibility and Loan	121	132	\$29,860	Associate/Some college & Training/Certification
Library Assistants, Clerical	205	232	\$26,880	Bachelor's or more & Training/Certification
Order Clerks	236	266	\$27,070	HS or less & Training/Certification
Receptionists and Information Clerks	1,110	1,257	\$27,540	Associate/Some college & Training/Certification
Information and Record Clerks, All Other	102	109	\$43,080	Associate/Some college & Training/Certification
Postal Service Mail Carriers	513	363	\$56,360	Associate/Some college & Training/Certification
Shipping, Receiving and Traffic Clerks	463	448	\$30,070	HS or less & Training/Certification
Stock Clerks and Order Fillers	2,886	2,995	\$23,240	HS or less & Training/Certification
Executive Secretaries and Executive Administrative Assistant	555	535	\$55,670	Associate/Some college & Work Experience
Secretaries and Administrative Assistants, Except Legal, Medical	2,206	2,312	\$35,090	Associate/Some college & Training/Certification
Data Entry Keyers	133	134	\$29,150	Associate/Some college & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



EDUCATION & TRAINING

9% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Education and Training cluster is about using your ability to motivate and your love of people to provide education and training that reaches individuals of all ages and across a range of industries. Careers include teaching in a classroom, leading as a college president and being a coach or scout for a sports team.

INCLUDES:

- Administration
- Professional Support
- Teaching
- Training
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Education Administrators, Elementary and Secondary School	370	396	\$88,470	Bachelor's or more & Work experience
Educational, Guidance, School and Vocational Counselors	467	519	\$56,220	Bachelor's or more
Librarians	207	225	\$60,200	Bachelor's or more
Mathematical Science Teachers, Postsecondary	188	227	\$50,550	Bachelor's or more
English Language and Literature Teachers, Postsecondary	162	185	\$50,060	Bachelor's or more
Preschool Teachers, Except Special Education	484	520	\$32,490	Bachelor's or more
Kindergarten Teachers, Except Special Education	171	188	\$57,100	Bachelor's or more & Training/Certification
Elementary School Teachers, Except Special Education	1,968	2,099	\$59,190	Bachelor's or more & Training/Certification
Middle School Teachers, Except Special Ed. and Career/Technical	1,046	1,121	\$57,790	Bachelor's or more & Training/Certification
Career/Technical Education Teachers, Secondary School	156	163	\$59,200	Bachelor's or more & Train./Cert. & Work Exp.
Special Education Teachers, Kindergarten and Elementary Schools	363	398	\$60,010	Bachelor's or more & Training/Certification
Special Education Teachers, Middle School	110	121	\$60,030	Bachelor's or more & Training/Certification
Special Education Teachers, Secondary School	147	161	\$58,860	Bachelor's or more & Training/Certification
Teacher Assistants	1,736	1,875	\$24,840	Associate/Some college
Coaches and Scouts	415	449	\$29,810	Bachelor's or more

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



FINANCE

8% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Finance cluster is about using your skills in math and statistics to work toward well-paying careers in financial and investment planning, banking, insurance, and business financial management. Every part of the economy offers a career in this field, providing endless opportunities to work in a variety of areas.

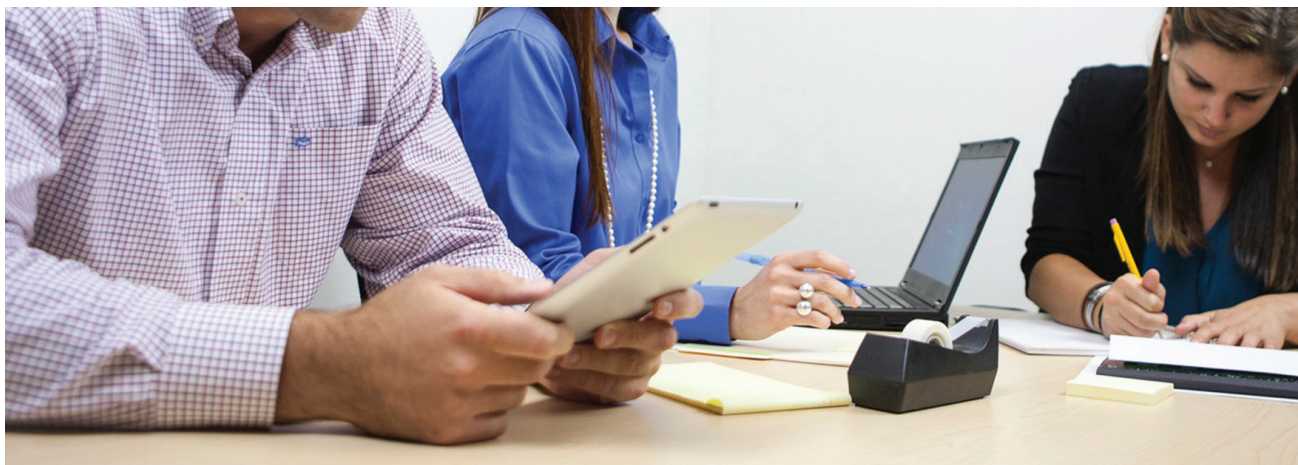
Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

INCLUDES:

- Accounting
- Banking Services
- Insurance
- Investments
- ...and more!

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Accountants and Auditors	1,153	1,290	\$74,200	Bachelor's or more
Loan Officers	153	169	\$64,860	Bachelor's or more & Training/Certification
Tellers	771	735	\$29,070	Associate/Some college & Training/Certification
Loan Interviewers and Clerks	232	260	\$37,200	Associate/Some college & Training/Certification
Financial Managers	399	285	\$132,370	Bachelor's or more & Work Experience
Insurance Sales Agents	353	435	\$44,710	HS or less & Training/Certification
Insurance Claims and Policy Processing Clerks	161	176	\$33,340	Associate/Some college & Training/Certification
Personal Financial Advisors	72	101	\$85,710	Bachelor's or more & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>





GOVERNMENT & PUBLIC ADMINISTRATION

9% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Government and Public Administration cluster is about using your passion for public service to work in a diverse array of jobs found in local, state and federal government. Virtually every occupation can be found within this field. You may help protect our country, represent our interests abroad, or pass and enforce laws.

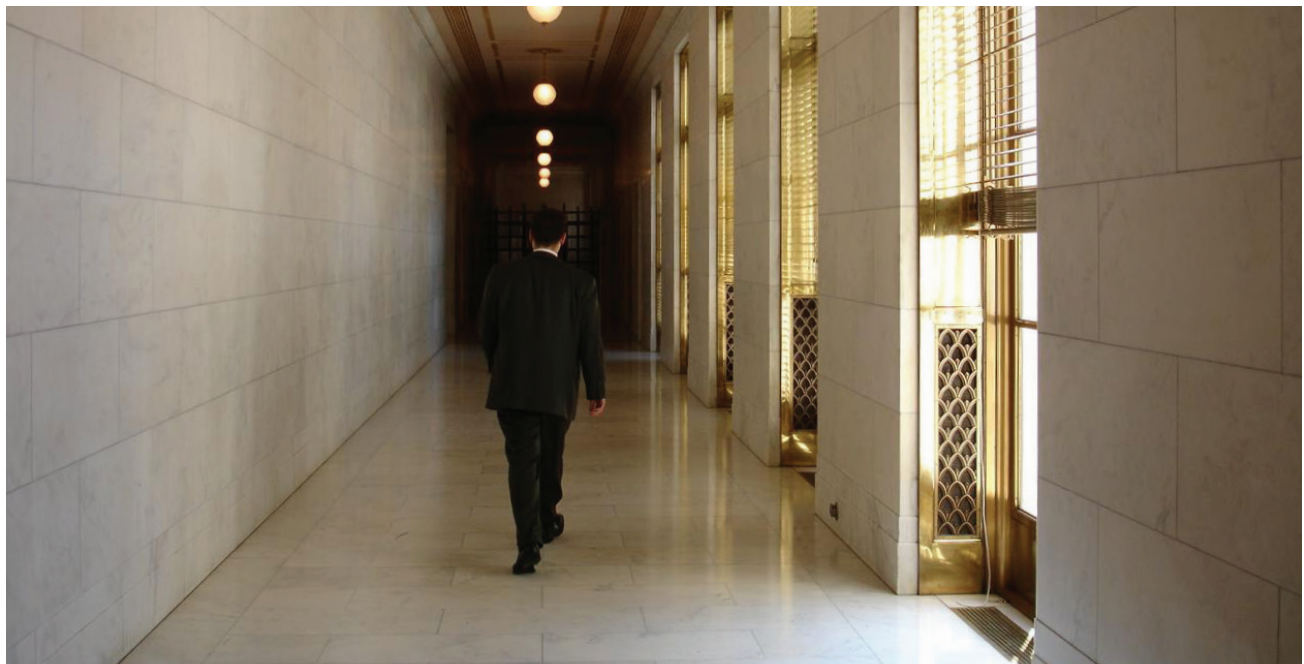
INCLUDES:

- Public Management
- Revenue & Taxation
- National Security
- Planning
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Legislators	148	161	\$18,270	Bachelor's or more & Work experience
Compliance Officers	283	319	\$67,990	Bachelor's or more & Training/Certification
Court, Municipal, and License Clerks	120	136	\$34,000	Associate/Some college & Training/Certification
Eligibility Interviewers, Government Programs	553	626	\$38,890	HS or less & Training/Certification
Occupational Health and Safety Specialists	292	284	\$61,760	Bachelor's or more

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>





HEALTH SCIENCE

16% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Health Science cluster is about using your love of science to help keep people healthy and treat those who are not. Work as a doctor or physical therapist or conduct research on diseases and other important health information. This field allows you to work in diverse environments such as hospitals, medical and dental offices, or labs.

INCLUDES:

- Biotechnology Research
- Diagnostic Services
- Health Informatics
- Therapeutic Services
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Medical and Clinical Laboratory Technologists	123	151	\$58,020	Bachelor's or more
Radiologic Technologists	223	302	\$55,820	Associate/Some College
Medical Records and Health Information Technicians	208	244	\$35,960	Associate/Some College & Training Certification
Dentists, General	91	110	\$127,980	Bachelor's or more
Pharmacists	524	534	\$122,560	Bachelor's or more
Family and General Practitioners	301	319	\$168,630	Bachelor's or more & Training/Certification
Occupational Therapists	85	102	\$85,670	Bachelor's or more
Physical Therapists	361	491	\$84,300	Bachelor's or more
Speech-Language Pathologists	235	313	\$76,390	Bachelor's or more
Veterinarians	125	150	\$92,660	Bachelor's or more
Registered Nurses	3,053	3,536	\$63,640	Bachelor's or more
Nurse Practitioners	155	207	\$94,340	Bachelor's or more
Dental Hygienists	172	210	\$80,770	Associate/Some College
Pharmacy Technicians	823	906	\$28,250	Associate/Some College & Training/Certification
Licensed Practical and Licensed Vocational Nurses	1,868	2,106	\$40,240	Associate/Some College & Training/Certification
Nursing Assistants	2,345	2,724	\$24,450	Associate/Some College & Training/Certification
Physical Therapist Assistants	230	311	\$54,230	Associate/Some College
Dental Assistants	238	292	\$36,840	Associate/Some College & Training/Certification
Medical Assistants	492	629	\$30,400	Associate/Some College & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



HOSPITALITY & TOURISM

6% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

Hospitality & Tourism uses your talents in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

INCLUDES:

- Lodging
- Amusement & Attractions
- Restaurants
- Travel & Tourism
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Lodging - First Line Supervisors of Housekeeping and Janitorial Worker	159	168	\$34,750	HS or less & Work Experience
Lodging - Janitors and Cleaners, Except Maids and Housekeeping	2,348	2,531	\$22,150	HS or less & Training/Certification
Lodging - Maids and Housekeeping Cleaners	1,648	1,770	\$20,390	HS or less & Training/Certification
Lodging - Hotel, Motel and Resort Desk Clerks	441	466	\$20,430	Associate/Some college & Training/Certification
Amusement and Recreation Attendants	190	219	\$18,340	Associate/Some college & Training/Certification
Recreation Workers	333	379	\$23,660	Bachelor's or more & Training/Certification
Food Service Managers	235	245	\$57,400	HS or less & Work Experience
First-Line Supervisors of Food Preparation and Serving Workers	496	531	\$33,140	HS or less & Work Experience
Cooks, Institution and Cafeteria	509	539	\$25,240	HS or less & Training/Certification
Cooks, Restaurant	1,130	1,268	\$22,840	HS or less & Training/Cert. & Work Experience
Cooks, Short Order	288	263	\$20,700	HS or less & Training/Certification
Food Preparation Workers	1,447	1,497	\$20,860	HS or less & Training/Certification
Bartenders	319	352	\$26,670	Associate/Some college & Training/Certification
Waiters and Waitresses	2,737	2,760	\$20,850	HS or less & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



HUMAN SERVICES

16% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Human Services cluster uses your skills in communication and problem solving to provide support to families and individuals with services from working in early childhood care to providing mental health services for older adults. You could work in a variety of settings including health care, spas, schools, and community centers.

INCLUDES:

- Counseling
- Early Childhood Development
- Personal Care
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Clinical, Counseling and School Psychologists	102	121	\$68,830	Bachelor's or more & Training/Certification
Mental Health Counselors	478	551	\$43,460	Bachelor's or more & Training/Certification
Rehabilitation Counselors	154	175	\$39,190	Bachelor's or more
Mental Health and Substance Abuse Social Workers	259	312	\$44,730	Bachelor's or more
Childcare Workers	614	665	\$19,510	HS or less & Training/Certification
Social and Community Service Managers	121	137	\$73,490	Bachelor's or more & Work experience
Child, Family and School Social Workers	866	983	\$44,110	Bachelor's or more
Healthcare Social Workers	111	131	\$53,830	Bachelor's or more
Social and Human Service Assistants	642	749	\$29,330	Bachelor's or more & Training/Certification
Funeral Attendants	142	143	\$23,900	Associate/Some college & Training/Certification
Hairdressers, Hairstylists and Cosmetologists	361	410	\$28,540	Associate/Some college & Training/Certification
Fitness Trainers and Aerobics Instructors	243	296	\$38,040	Bachelor's or more & Training/Certification
Laundry and Dry-Cleaning Workers	191	200	\$20,870	HS or less & Training/Certification
Personal Care Aides	2,949	3,552	\$18,610	HS or less & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



INFORMATION TECHNOLOGY

14% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Information Technology cluster uses your love of technology to learn how to design, develop and manage different types of software and hardware programs. Though this field requires a solid foundation in math and science as well as strong technical skills, there are careers in information technology in virtually every part of the economy.

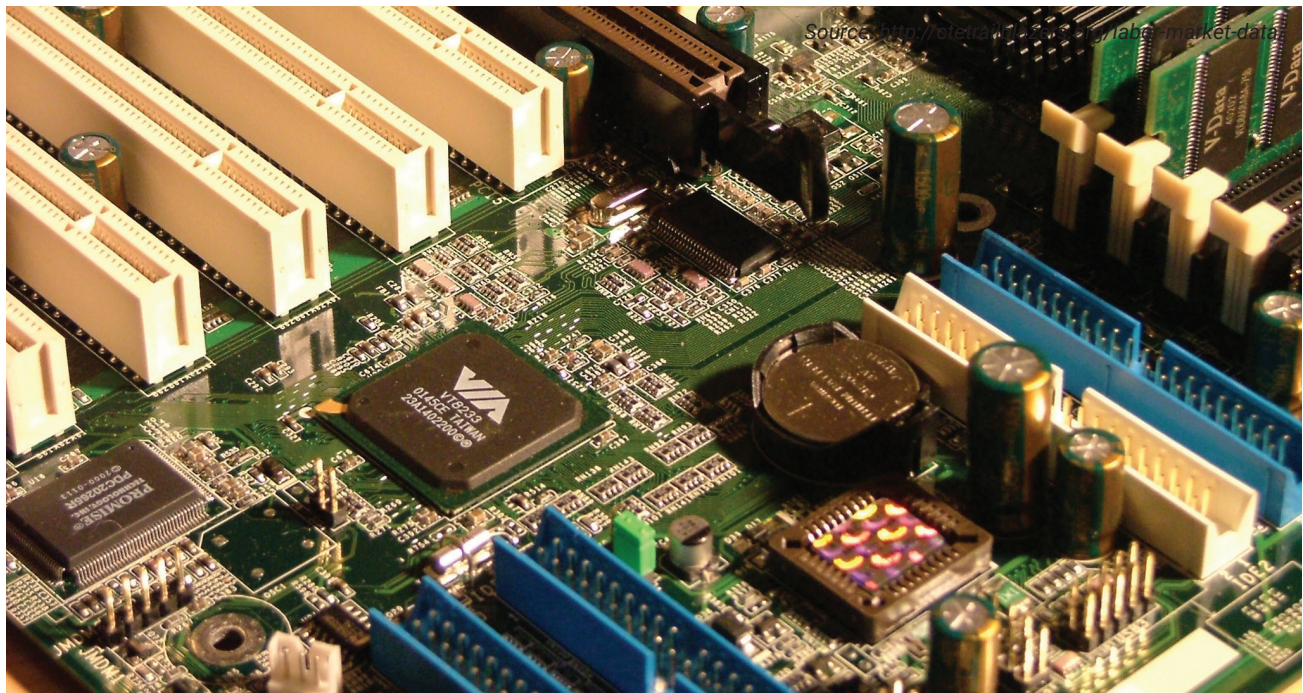
INCLUDES:

- Information Support
- Network Systems
- Programming
- Software Development
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Computer User Support Specialists	659	752	\$52,730	Bachelor's or more
Network and Computer Systems Administrators	243	260	\$90,050	Bachelor's or more
Computer Systems Analysts	346	424	\$95,370	Bachelor's or more
Computer Programmers	104	94	\$91,460	Bachelor's or more
Software Developers, Applications	398	476	\$103,490	Bachelor's or more
Software Developers, Systems Software	146	160	\$110,950	Bachelor's or more

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>





LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

10% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Law, Public Safety, Corrections and Security cluster uses your love of people and passion for your community for careers in law, public safety and security. Responsibilities may include protecting people from harm, crime or natural disasters. Job opportunities range from public safety officers to legal services.

INCLUDES:

- Emergency & Fire Management Services
- Law Enforcement
- Legal Services
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Probation Officers and Correctional Treatment Specialists	290	308	\$42,560	Bachelor's or more & Training/Certification
First-Line Supervisors of Correctional Officers	377	389	\$46,140	Associate/Some college & Train./Cert. & Work Exp.
Correctional Officers and Jailers	2,309	2,430	\$35,030	Associate/Some college & Training/Certification
Emergency Medical Technicians and Paramedics	330	468	\$30,370	Associate/Some college & Training/Certification
Police, Fire and Ambulance Dispatchers	187	198	\$36,310	Associate/Some college & Training/Certification
First-Line Supervisors of Police and Detectives	152	168	\$81,270	Associate/Some college & Train./Cert. & Work Exp.
Detectives and Criminal Investigators	198	192	\$86,720	Bachelor's or more & Train./Cert. & Work Exp.
Police and Sheriff's Patrol Officers	1,129	1,288	\$49,860	Associate/Some college & Training/Certification
Lawyers	446	503	\$123,230	Bachelor's or more
Paralegals and Legal Assistants	177	202	\$49,520	Associate/Some college
Security Guards	655	727	\$29,640	Associate/Some college & Training/Certification
Lifeguards, Ski Patrol and Other Recreational Protective Services	173	202	\$20,930	Associate/Some college & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



MANUFACTURING

<5% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Manufacturing cluster uses your skills in planning and organization along with your love of technology, engineering and design to work in careers processing materials into products. Careers also include related professional and technical support activities such as production planning, production design, maintenance, and engineering.

INCLUDES:

- Maintenance
- Installation & Repair
- Production
- Quality Assurance
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
First-Line Supervisors of Mechanics, Installers and Repairers	669	690	\$64,840	Associate/Some college & Work experience
Maintenance and Repair Workers, General	2,232	2,378	\$37,230	HS or less & Training/Certification
Electrical and Electronics Engineering Technicians	173	174	\$64,020	Associate/Some college
First-Line Supervisors or Production and Operating Workers	1,354	1,336	\$60,480	HS or less & Work experience
Engine and Other Machine Assemblers	146	145	\$38,970	HS or less & Training/Certification
Assemblers and Fabricators, All Other	1,611	1,679	\$31,440	HS or less & Training/Certification
Butchers and Meat Cutters	124	124	\$30,530	HS or less & Training/Certification
Machinists	1,176	1,294	\$43,600	HS or less & Training/Certification
Welders, Cutters, Solderers and Brazers	945	979	\$43,810	HS or less & Training/Certification
Welding, Soldering and Brazing Machine Setters, Operators	120	97	\$43,610	HS or less & Training/Certification
Textile Knitting and Weaving Machine Setters, Operators	290	225	\$28,380	HS or less & Training/Certification
Upholsterers*	280	251	\$29,610	HS or less & Training/Certification
Cabinetmakers and Bench Carpenters	181	180	\$31,940	HS or less & Training/Certification
Woodworking Machine Setters, Operators, and Tenders	122	119	\$24,920	HS or less & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



MARKETING

6% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Marketing cluster flexes your creative skills for a career in advertising, public relations, sales, or planning. You could work on projects such as promotional campaigns, event planning and new sales techniques.

INCLUDES:

- Marketing Communications
- Marketing Research
- Merchandising
- Professional Sales
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Public Relations Specialists	184	209	\$66,520	Bachelor's or more
Market Research Analysts and Marketing Specialists	330	392	\$63,250	Bachelor's or more
First-Line Supervisors of Retail Sales Workers	2,583	2,748	\$39,660	Associate/Some college & Work experience
First-Line Supervisors of Non-Retail Sales Workers	231	240	\$82,600	Bachelor's or more & Work experience
Cashiers	7,408	7,406	\$18,740	HS or less & Training/Certification
Counter and Rental Clerks	477	503	\$28,070	HS or less & Training/Certification
Parts Salesperson	250	274	\$30,460	HS or less & Training/Certification
Retail Salespersons	6,551	7,080	\$20,960	Associate/Some college & Training/Certification
Sales Representatives, Services, All Other	770	836	\$59,800	Bachelor's or more & Training/Certification
Sales Representatives, Wholesale and Manufacturing, Technical	121	130	\$98,160	Bachelor's or more & Training/Certification
Sales Representatives, Wholesale and Manufacturing, Except Technical	1,573	1,617	\$57,640	Bachelor's or more & Training/Certification
Real Estate Sales Agent	362	373	\$47,440	Bachelor's or more & Training/Certification
Driver/Sales Workers	433	444	\$23,120	HS or less & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>



STEM (SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS)

<5% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Science, Technology, Engineering and Mathematics cluster uses your abilities in problem solving and science, technology, engineering and math (STEM). You could conduct in-depth research or provide solutions to a variety of technical problems. A postsecondary degree and relevant work experience are necessary to succeed in this field.

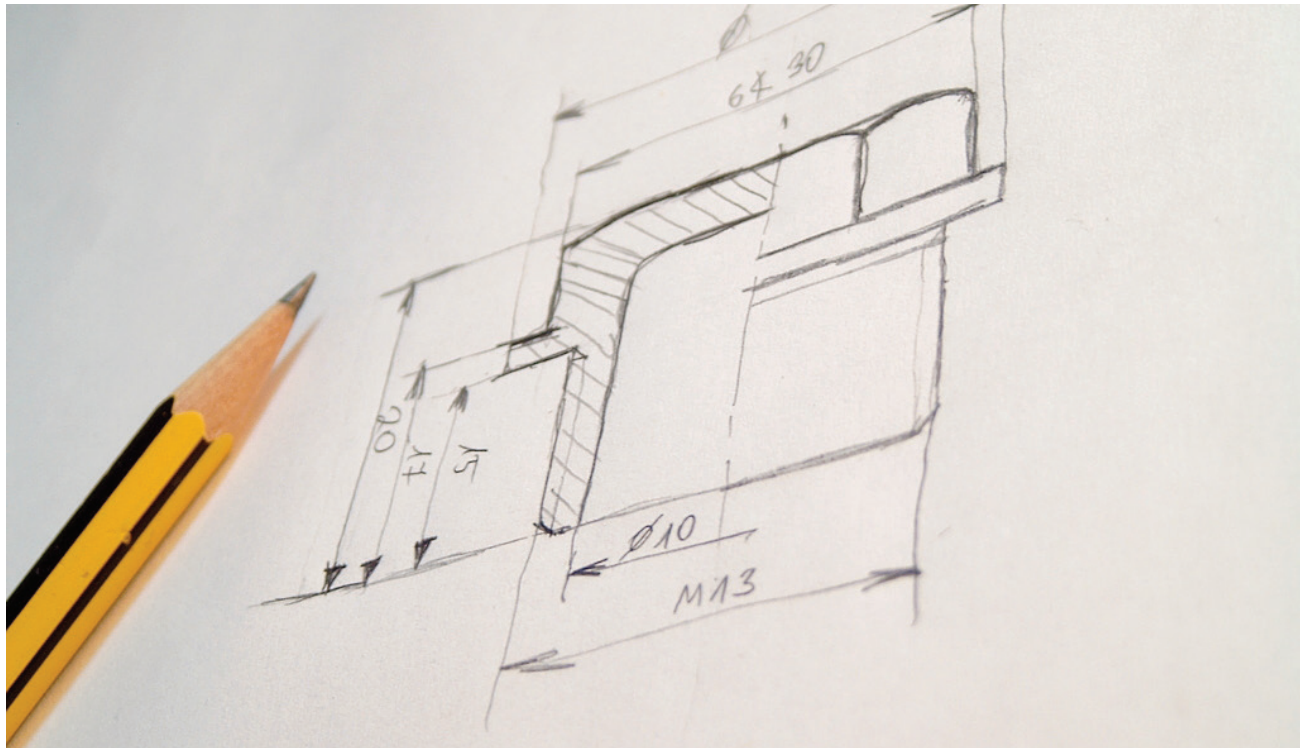
INCLUDES:

- Science
- Technology
- Engineering
- Mathematics
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Architectural and Engineering Managers	119	125	\$140,600	Bachelor's or more & Work experience
Electrical Engineers	187	197	\$92,310	Bachelor's or more
Industrial Engineers	423	437	\$83,460	Bachelor's or more
Mechanical Engineers	330	335	\$91,260	Bachelor's or more
Environmental Scientists and Specialists, Including Health	106	114	\$70,300	Bachelor's or more

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>





TRANSPORTATION, DISTRIBUTION & LOGISTICS

6% EXPECTED GROWTH
▲ IN SWVA JOBS BY 2024

The Transportation, Distribution and Logistics cluster uses your knowledge of mechanics, mathematics and design to work in careers where you could plan, manage and move everything from people to company products. In this field, you are involved in the logistics of all modes of transportation from road to rail to air to water.

INCLUDES:

- Facility Maintenance
- Logistics Planning
- Sales & Service
- Transportation Systems
- ...and more!

Source: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/index.shtml

OCCUPATION	ESTIMATED EMPLOYMENT 2014	PROJECTED EMPLOYMENT 2024	ANNUAL VA MEDIAN WAGE 2015	TYPICAL LEVEL OF EDUCATION
Automotive Body and Related Repairers	178	199	\$45,070	HS or less & Training/Certification
Automotive Service Technicians and Mechanics	1,653	1,813	\$40,560	Associate/Some college & Training/Certification
Bus and Truck Mechanics and Diesel Engine Specialists	744	820	\$43,800	HS or less & Training/Certification
Tire Repairers and Changers	103	112	\$28,240	HS or less & Training/Certification
Mobile Heavy Equipment Mechanics, Except Engines	293	290	\$46,800	HS or less & Training/Certification
Dispatchers, Except Police, Fire and Ambulance	110	116	\$34,200	Associate/Some college & Training/Certification
Billing and Posting Clerks	532	613	\$36,030	Associate/Some college & Training/Certification
First-Line Supervisors of Transportation and Material Moving	332	345	\$57,560	HS or less & Work experience
Ambulance Drivers and Attendants, Except Emergency Medicine	84	121	\$21,370	HS or less & Training/Certification
Bus Drivers, Transit and Intercity	154	171	\$36,760	HS or less & Training/Certification
Bus Drivers, School or Special Client	1,230	1,264	\$28,730	HS or less & Training/Certification
Heavy and Tractor-Trailer Truck Drivers	3,475	3,680	\$38,270	Associate/Some college & Training/Certification
Light Truck or Delivery Services Drivers	1,240	1,286	\$29,530	HS or less & Training/Certification
Industrial Truck and Tractor Operators	1,165	1,184	\$33,540	HS or less & Training/Certification

Source: Estimates from New River / Mt. Rogers and Southwest Virginia WIAs at <http://ctetrailblazers.org/labor-market-data/>

THANK YOU TO OUR AMAZING VOLUNTEERS



They have given so much of their time and talent to make this event a success.

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UNITED WAY OF SOUTHWEST VIRGINIA

The Careers Expo for Youth is part of the Ignite Program of United Way of Southwest Virginia. United Way of Southwest Virginia fights for the health, education and financial stability of every person in Southwest Virginia because they are the building blocks for a good quality of life. Through an initiative-based cradle-to-career approach, United Way of Southwest Virginia is creating sustainable solutions to address the challenges facing tomorrow's workforce. United Way convenes cross-sector partners to make an impact on the most complex problems in our region. Through collaboration with government, business, nonprofit and individuals, United Way innovates for positive, lasting social change. With a footprint that covers almost 15% of the state of Virginia, United Way of Southwest Virginia serves Bland, Buchanan, Carroll, Dickenson, Giles, Grayson, Lee, Russell, Scott, Smyth, Tazewell, Washington and Wise, and the cities of Galax and Norton.

For more information about United Way of Southwest Virginia or to learn how to get involved with the Ignite Program, visit www.UnitedWaySWVA.org.



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United Way of
Southwest Virginia