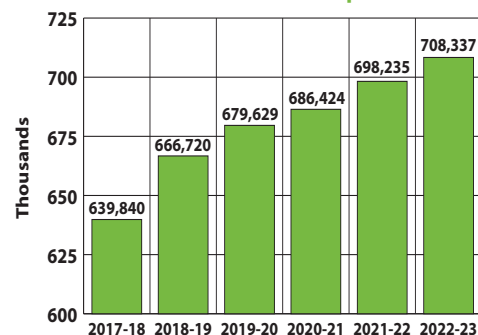


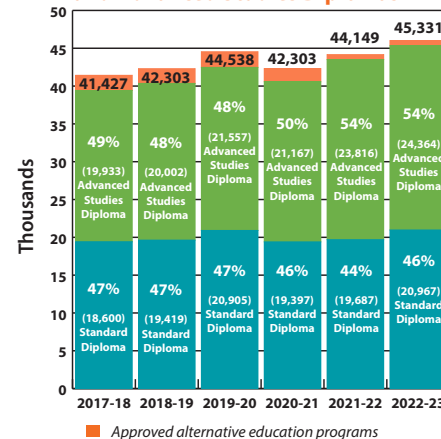
Connecting Learning to Results

CTE Enrollment Trends - Duplicated

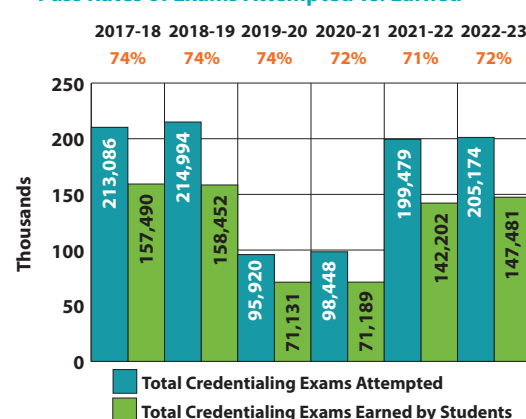


In the 2022-2023 school year, 293,849 CTE students enrolled in one or more CTE courses, totaling 708,337 students.

Completers Graduated with Standard and Advanced Studies Diplomas



Pass Rates of Exams Attempted vs. Earned

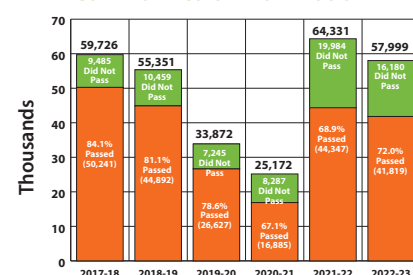


Note: Totals include multiple exams attempted/earned by individual students. The cost of credentialing tests ranges from \$3 to nearly \$300 per test.

Over the past six consecutive years, **98% or more** CTE completers graduated high school with a Standard or Advanced Diploma.

Beginning in 2013-2014, first-time ninth-grade students (the graduating class of 2017) are required to earn a Board-approved career and technical education credential to graduate with a Standard Diploma.

Workplace Readiness Skills for the Commonwealth Examination



Source: Career and Technical Consortium of States (107 school divisions participated in 2013, 109 in 2014, 107 in 2015, 106 in 2016, 116 in 2017, 117 in 2018, and 118 in 2019, 103 in 2020, 100 in 2021, and 111 in 2022.)



The Virginia Association for Career and Technical Education (Virginia ACTE) provides leadership in developing an educated, prepared, adaptable, and competitive workforce. Members include educators, business partners, parents, administrators, and others committed to expanding opportunities for Career and Technical Education.

VISION

The Virginia ACTE is the organization that advocates for, supports, and serves all aspects of Career and Technical Education for the benefit of education and the economy in the Commonwealth of Virginia.

MISSION

The Virginia ACTE is dedicated to expanding relevant and rigorous career and technical education programs, enhancing leadership among its members, and influencing public policy for the benefit of career and technical education students and professionals and developing a competitive workforce in the Commonwealth of Virginia.

STRATEGIES

1. Ensure all students have the opportunity to be career ready through all levels of education and training.
2. Continue to influence state-of-the-art career and technical education programs throughout Virginia.
3. Provide professional development and leadership opportunities for career and technical education teachers and administrators.
4. Influence and support public policy initiatives that enhance and benefit career and technical education in Virginia.
5. Strengthen the organization through increased active membership.
6. Inform all members of educational initiatives and national and state public policies that affect career and technical education.
7. Communicate critical needs of career and technical education to policymakers, parents, business and industry, students, and communities.

<http://www.VirginiaACTE.org>



Find us on Facebook



Virginia ACTE



@VirginiaACTE

Darla Miller, Executive Director

dlmillervirginiaacte@gmail.com

October 2023

Connecting Career Preparation to the Workforce



The 17 career clusters help students investigate careers and design their plan of study to advance their career goals. Within each career cluster, there are multiple career pathways that represent a common set of skills and knowledge, including academic, technical, and career readiness skills that lead to credentials from entry level to management, including technical and professional career specialties.

More than **293,849** students enroll in CTE courses annually through

358 high schools

383 middle schools

50 division centers

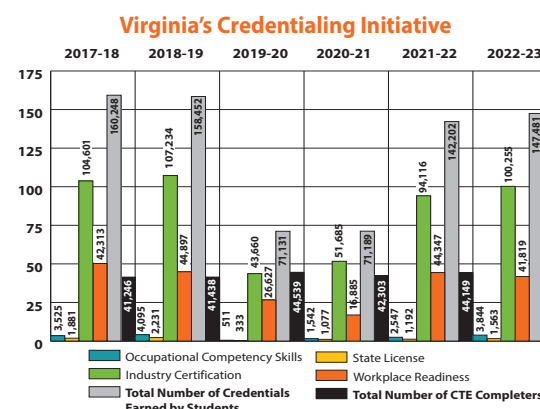
22 Governor's STEM Academies

9 Governor's Health Sciences Academies

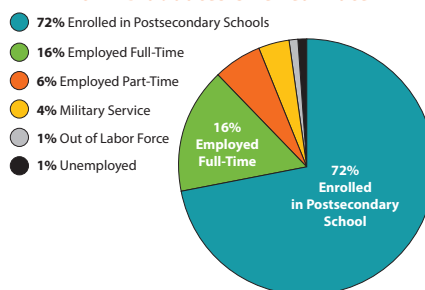
8 Jointly Operated Regional CTE Centers

and

125 school divisions offer CTE dual enrollment across the Commonwealth of Virginia.



2022 Graduates One Year Later



High schools report the number of credentials earned by students for passing occupational competency assessments, state licensure examinations, industry certification examinations, and workplace readiness skills assessments.

Source: Virginia's School Quality Profile

Connecting Learning to Successful Careers



Dalton Bennett
Farm Owner/Manager
Knoll Crest Farms
Concord, Virginia

Agriculture, Food & Natural Resources

- Virginia's Agriculture, Food, and Natural Resources cluster consisted of 103,330 jobs in 2020 and is projected to expand by 9,596 to 112,926 jobs by 2030.
- The 9% job growth forecasted for this cluster in Virginia from 2020 to 2030 is greater than the 6% job growth forecasted for this cluster at the national level.



Logan Shorter
Jobsite Superintendent
Coleman-Adams Construction
Forest, Virginia

Architecture & Construction

- In 2020, there were 376,996 jobs in Virginia's Architecture and Construction cluster, making it the third largest career cluster in Virginia. It is expected to grow by 33,279 jobs through 2030 to a total of 410,275 jobs.
- The 9% projected job growth within this cluster in Virginia through 2030 exceeds the 6% job growth projected for the cluster nationwide.



Devona Stimpson
Artist, CEO
Art by Devona
Houston, Texas

Arts, Audio/Video Technology & Communications

- Virginia's Arts, Audio/Video Technology, and Communications cluster consisted of 57,364 jobs in 2020 and is expected to increase by 1,448 jobs over the decade, for a total of 58,812 jobs by 2030.
- The 8% job growth expected for this cluster at the national level from 2020 to 2030 exceeds the 2.5% job growth projected for this cluster in Virginia.



Cainan Townsend
Managing Director
Robert Russa Moton Museum
Farmville, Virginia

Business Management & Administration

- The Business Management and Administration cluster, Virginia's largest, provided 578,071 jobs throughout Virginia in 2020. The addition of 25,369 new jobs to this cluster is expected by 2030, for a total of 603,440 jobs.
- Projected statewide job growth of 4% within this cluster from 2020 to 2030 exceeds the 1% growth rate forecasted for the nation.



Josseline Gonzalez
Kindergarten Teacher
Loudoun County
Public Schools
Sterling, Virginia

Education and Training

- The Education and Training cluster in Virginia is projected to grow by 13% between 2020 and 2030, which is greater than the 10% job growth projected nationally for the same set of occupations.
- In 2020, this cluster consisted of 256,880 jobs in Virginia, with 34,519 more expected to be added by 2030, for a total of 291,399 jobs.



Juan Amaro
Lineman
Dominion Energy
Midlothian, Virginia

Energy

- The Energy cluster, currently Virginia's smallest, is projected to expand from 15,471 jobs in 2020 to 15,908 jobs in 2030. Job growth in this cluster will likely expand further as newly defined occupations are added to this cluster in the future.
- Virginia's 3% projected job growth within this cluster through 2030 is slightly less than the 5% growth expected nationally among the same set of occupations.



Mager Koromhas
Senior Associate
KPMG
Norfolk, Virginia

Finance

- The Finance cluster in Virginia was composed of 216,919 jobs in 2020 and is expected to add 13,380 additional jobs by 2030, for a total of 230,299.
- The 6% job growth rate projected for Virginia's Finance cluster through 2030 is greater than the 2.5% job growth rate anticipated for the same occupations nationwide.



Colby Farmer
*Project Manager,
Deputy Clerk*
Wise County Circuit Court
Wise, Virginia

Government & Public Administration

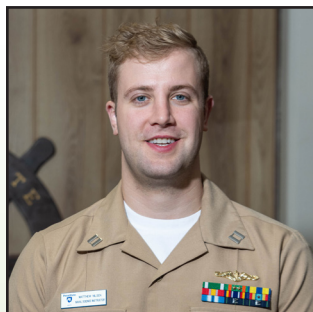
- Virginia's Government & Public Administration cluster included 29,939 jobs in 2020 and will likely expand to 31,595 jobs by 2030, adding 1,656 jobs.
- The 5.5% job growth expected for this cluster through 2030 at the state level is slightly higher than the 4% job growth expected among the same occupations nationwide.



Dr. Thomas White
Dentist/Owner
Danville Dental Associates
Danville, Virginia

Health Science

- The Health Science cluster is projected to add 43,348 new jobs in Virginia by 2030, the most of any career cluster except Hospitality and Tourism.
- The projected 14% increase in the number of Health Science jobs throughout Virginia—from 315,540 in 2020 to 358,889 in 2030—is greater than the 12% job expansion predicted for this cluster nationwide.



Matthew Nilsen
*Lieutenant, Naval
Science Instructor*
U.S. Navy
University Park, Pennsylvania

CTE connects learning to military and civilian careers.



Chelsea Manrique
*Senior Catering
Sales Manager*
The Alexandrian
and Morrison House Hotel
Alexandria, Virginia

Hospitality & Tourism

- The Hospitality and Tourism cluster is projected to add 69,274 jobs to Virginia's economy between 2020 and 2030, the most of any cluster.
- The 19.5% increase in the number of jobs in this cluster in Virginia—from 355,920 in 2020 to 425,194 in 2030—is similar to the 19% job growth expected nationwide and is second only to the projected percent growth in the Human Services cluster (20%).



Vanessa Williams
Stylist/Owner
Premiere Studios Salon
and Spa
Bluefield, West Virginia

Human Services

- The Human Services cluster included 181,728 jobs in 2020 and is predicted to expand by 36,584 positions, for a total of 218,312 jobs by 2030.
- The 20% expansion of this cluster through 2030 represents the highest projected percentage of job growth among all career clusters in Virginia, although it is slightly lower than the 22% job growth forecasted for this cluster nationwide.



Matthew Mullins
*Information Systems
Technician*
Wythe County Community
Hospital
Wytheville, Virginia

Information Technology

- Virginia's Information Technology cluster encompassed 229,539 jobs in 2020 and is expected to grow to 267,146 positions in 2030, an increase of 37,607 jobs.
- The 16% job growth expected for this cluster in Virginia through 2030 represents the third greatest projected percent change among all career clusters and is greater than cluster's 13% projected growth rate across the nation.



Taleia Barksdale
Staff Attorney
Vermont Legal Aide
St. Johnsbury, Vermont

Law, Public Safety, Corrections and Security

- In 2020, Virginia's Law, Public Safety, Corrections, and Security cluster consisted of 156,752 jobs statewide. That number is projected to increase by 8,654, resulting in 165,406 jobs in this cluster throughout Virginia by 2030.
- The 5.5% job expansion expected for this cluster in Virginia between 2020 and 2030 compares to an 8% projected job expansion for this cluster nationwide.



Trevor Creamer
*Structural Steel
Fabricator/Fitter/Welder*
Cooper Steel of Virginia
Monroe, Virginia

Manufacturing

- The Manufacturing cluster in Virginia is projected to add 17,962 jobs over the next decade, expanding in size from 226,608 jobs in 2020 to 244,570 jobs in 2030.
- The 8% job growth projected for Virginia's Manufacturing cluster from 2020 to 2030 is significantly greater than the 1% job growth expected for the cluster nationwide.



Lauren Melim
Senior Director of Sales
Case-Mate
Atlanta, Georgia

Marketing

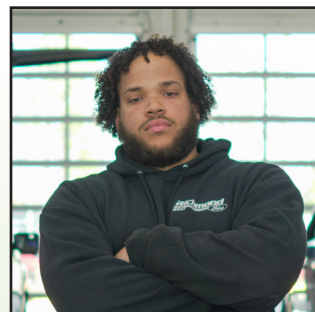
- The Marketing cluster, Virginia's second largest, supported 524,542 jobs in Virginia in 2020 and is expected to expand by 26,994 jobs to 551,536 in 2030.
- The 5% job growth anticipated for this cluster through 2030 within the commonwealth is greater than the 1% growth forecasted for the same occupations at the national level.



David Alderman
*Nuclear Electrical
Engineer*
Norfolk Naval Shipyard
Norfolk, Virginia

STEM

- Virginia's Science, Technology, Engineering, and Mathematics (STEM) cluster included 67,239 jobs in 2020 and is expected to add 4,443 more by 2030, for a total of 71,682 jobs.
- The 7% job growth forecasted for the STEM cluster in Virginia through 2030 is similar to the percent growth forecasted for the cluster at the national level.



Franklin Carey
Senior Master Technician
Richmond Ford West
Richmond, Virginia

Transportation, Distribution, & Logistics

- The Transportation, Distribution, and Logistics cluster consisted of 322,983 jobs in Virginia in 2020 and is expected to expand to 360,529 by 2030, adding 37,546 jobs.
- The cluster's anticipated job growth rate of 12% in Virginia from 2020 to 2030 is greater than the 8% rate forecasted for the nation as a whole during the same time period.

✕@VirginiaACTE

Learn more
about career
clusters at

