

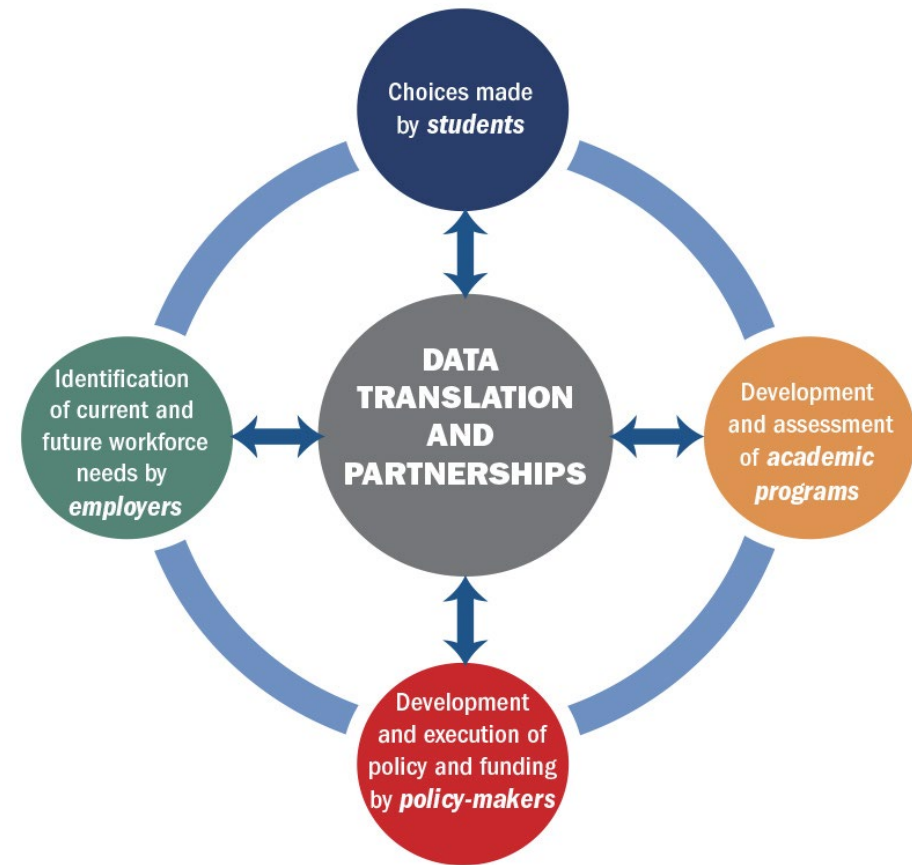
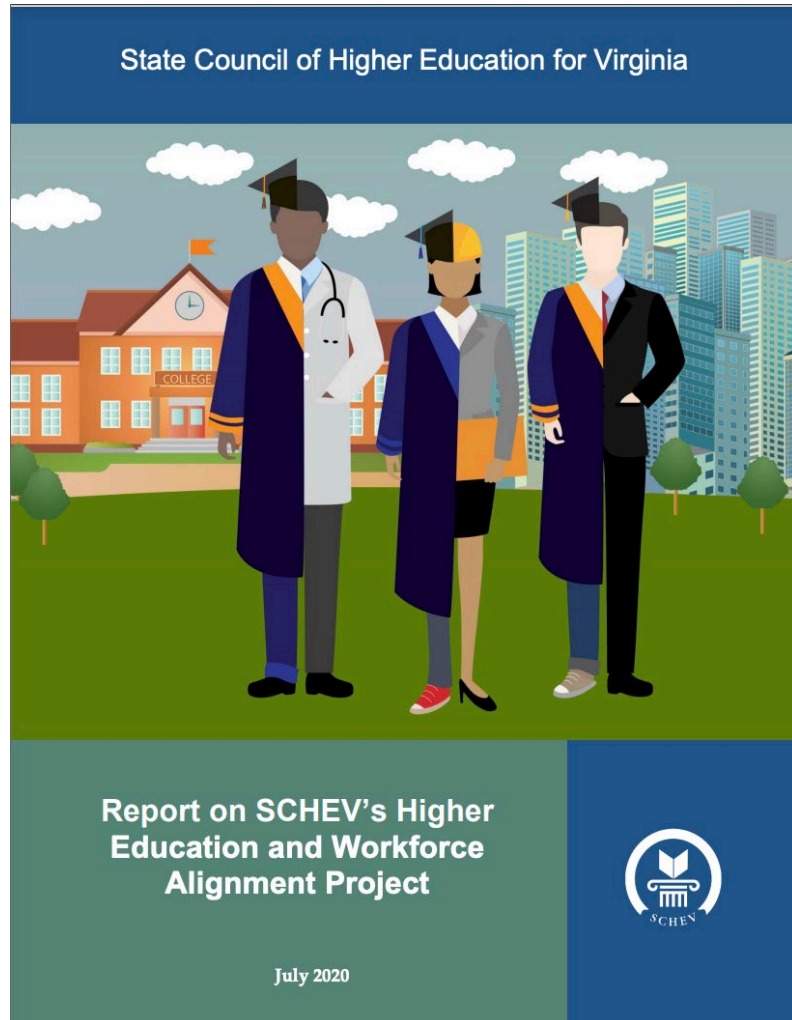


VIRGINIA OFFICE OF EDUCATION ECONOMICS (VOEE) UPDATE

Radford University

January 2023

VOEE IS A FIRST-OF-ITS-KIND-NATIONALLY LABOR MARKET DATA AND ANALYTICS ENTITY SERVING THE ENTIRE COMMONWEALTH



WHAT WE DO

In January 2021, SB1314 created the new office of education and labor market alignment at VEDP, with two complementary functions:

1. Provide a unified, consistent source of analysis for policy development and implementation related to talent development
2. Offer resources and expertise related to education and labor market alignment

We work closely with key partners to accomplish our mandate. VOEE's key partners include the Virginia Dept of Labor, the Virginia Secretariat of Commerce & Trade, SCHEV, VCCS, Higher education institutions, Virginia Dept of Education, Virginia Employment Commission, GO Virginia, Virginia Board of Workforce Development, and other workforce partners.



VOEE'S LABOR MARKET SUPPLY DEMAND DASHBOARD IS GOING TO BE A CORE RESOURCE FOR MANY STAKEHOLDERS ACROSS VIRGINIA

Virginia Office of Education Economics

Supply & Demand by Occupation Group

Select Filters

① OCCUPATION GROUP

Computer Science

② GEOGRAPHIC GROUP

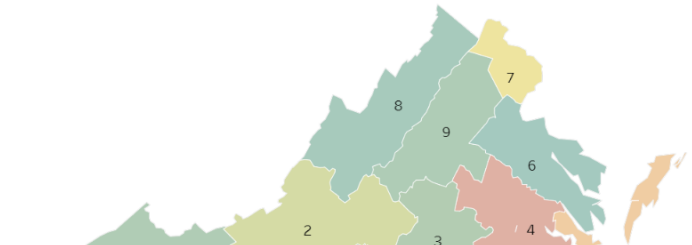
Go VA Region

③ REGION

(All)

Go VA Region Profile: [ALL](#)

Occupation Group: **Computer Science**
Go VA Region: **ALL**



Programs & Occupations

Top SOC codes that make up this occupation group and the top CIP codes related to these SOC codes according to the National Center for Education Statistics (NCES)

Top Educational Programs by Aligned Degrees

- 11.0101 : Computer and Information Sciences, General.
- 11.0701 : Computer Science.
- 52.1201 : Management Information Systems, General.
- 27.0101 : Mathematics, General.
- 30.0801 : Mathematics and Computer Science.
- 11.1003 : Computer and Information Systems Security/Auditing/Information Assurance.

Top Occupations by Avg. Annual Openings

- 15-1211 : Computer Systems Analysts
- 15-1232 : Computer User Support Specialists
- 15-1244 : Network and Computer Systems Administrators
- 15-1231 : Computer Network Support Specialists
- 15-1299 : Computer Occupations, All Other
- 15-1212 : Information Security Analysts
- 15-1251 : Computer Programmers
- 15-1241 : Computer Network Architects
- 17-2061 : Computer Hardware Engineers
- 15-2041 : Statisticians

Graduate Supply vs Workforce Demand

Occupational Supply & Demand looks at current Degree & Non-degree Completions (Supply measure). % of Aligned Annual Demand = Supply / Demand

SUPPLY

77 Degree Awards

6 Non-degree Credentials

83 Total Graduate Supply

DEMAND

188 Average Projected Annual Openings

45% of Aligned Annual Demand
(% of Adequacy)

Occupation Group: **Computer Science**
Go VA Region: **Region 1** HIDE

Select Map Measure
2021-2030 Job Growth %

Programs & Occupations

Occupation Group Profile: **Computer Science**

Regional Institutions with Most Aligned Degrees Completed (Most Recent Year)

Hover over square to see more detail

Mountain Empire Community College	20	20
University of Virginia's College at Wise	11	6
Virginia Highlands Community College	19	3
Wytheville Community College	7	7
Emory & Henry College	3	2
Southwest Virginia Community College	4	5
	4	4

[See the full list](#)

Launch

VIRGINIA SKILLS INITIATIVE

VOEE is taking a close look at the role skills play in the labor market. To do this we are developing two unique data sets:

- Alumni Tracking data set will track up to 8 years of graduates from Virginia higher education institutions through social media profiles to collect data on:
 - Occupation/s
 - Location
 - Skills
 - Non-degree credentials
- Skills data set will focus on skills and competencies taught in credit and non-credit programs throughout Virginia

VOEE will then use these data sets in the Supply Demand Dashboard and other analyses. These data may also contribute to policy and practice innovations.



OTHER ONGOING INITIATIVES

New STEM Workforce Profile

VOEE recommended the expansion of the STEM Workforce Profile in Virginia from 72 to 342 occupations, including STEM-related occupations and the Skilled Technical Workforce

G3 Program Labor Market Alignment Review

VOEE is finalizing recommendations around potential G3 eligible field refinement based on analysis of aligned occupations in the labor market

Review of Registered Apprenticeship in Virginia

VOEE is creating a baseline report and metrics to capture the current status of the Commonwealth's registered apprenticeship programs

Career Navigation in Virginia's K-12 System

VOEE is partnering with the OECD to examine career navigation in K-12



Virginia Highlands Community College

Questions? Get in touch

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