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Workforce Data from the Employment and Training Administration



Occupational Information Network (O*NET) system

- Primary source for ***descriptive*** information on occupational characteristics and requirements
- Covers the work conducted in the U.S. economy
 - 900+ occupations
 - Based on Standard Occupational Classification taxonomy to align with other occupational data sources from BLS and states on wages, employment, outlook



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O*NET OnLine

Occupation Quick Search:

[Help](#)

[Find Occupations](#)

[Advanced Search](#)

[Crosswalks](#)

[Share](#)

[O*NET Sites](#)



Build your future with O*NET OnLine.

Welcome to your tool for career exploration and job analysis!

O*NET OnLine has detailed descriptions of the world of work for use by job seekers, workforce development and HR professionals, students, researchers, and more!

[What is O*NET?](#)

What's New?

O*NET Database and websites updated

[Learn More](#)

Get O*NET news by [email](#) or [RSS](#).

I want to be a...

Start the career you've dreamed about, or find one you never imagined.

[Find It Now](#)

at My Next Move

ATTN: VETERANS

Put your military skills and experience to work in civilian life. Learn how at:

[MY NEXT MOVE FOR VETERANS](#)

[Get Started](#)



Hot Technologies

are frequently included in employer job postings.

[Learn More](#)

 **Occupation Search**

 **Find Occupations**

Browse groups of similar occupations to explore careers. Choose from industry, field of work, science area, and more.

 **Advanced Search**

Focus on occupations that use a specific tool or software. Explore occupations that need your skills.

 **Crosswalks**

Connect to a wealth of O*NET data. Enter a code or title from another classification to find the related O*NET-SOC occupation.



Multiple Public Facing Websites

- O*NET OnLine
- My Next Move
- My Next Move for Veterans
- Mi Proximo Paso
- O*NET Resource Center

The screenshot displays the O*NET OnLine website. At the top, there is a navigation bar with the O*NET logo, the text "O*NET OnLine", and a search bar labeled "Occupation Quick Search". Below the navigation bar are links for "Help", "Find Occupations", "Advanced Search", "Crosswalks", "Share", and "O*NET Sites". The main content area features a large banner with the headline "Build your future with O*NET OnLine." and a sub-headline "Welcome to your tool for career exploration and job analysis!". Below the banner are three main sections: "Occupation Search" with a search bar, "Find Occupations" with a description of browsing groups, "Advanced Search" with a description of focusing on specific tools, and "Crosswalks" with a description of connecting to O*NET data. There are also several promotional boxes: "What's New?", "I want to be a...", "ATTN: VETERANS", and "Hot Technologies are frequently included in employer job postings.". At the bottom, there are three interactive boxes: "I want to be a...", "I'll know it when I see it.", and "I'm not really sure.", each with a search or browse button. There are also links for "Still not sure?", "Are you a veteran looking for work?", and "¿Habla español?".



O*NET Data Downloads and Web Services

O*NET Resource Center

Site Search:

Help About O*NET Products Developers Data Collection Using O*NET About Us Share O*NET Sites

O*NET Resources

Site Search:

About O*NET
Learn about the occupations and data collected in the O*NET project.

Products
Career tools, applications, and publications to help workforce and HR professionals.

Developer's Corner
Download the O*NET Database and related files for use in applications or research.

Data Collection
Details and publication schedule for our data collection effort.

Get O*NET Data Now!

- Download a specific type of data
- Download the entire database
- Sign up for O*NET Web Services

Welcome to the O*NET Resource Center, the nation's primary source of occupational information. Use this site to download the O*NET database, career exploration tools, job analysis questionnaires, employer guides, and technical reports.

[What is O*NET?](#)

Find out **What's New** in O*NET news, and stay up to date:

- Email
- Facebook
- RSS
- Twitter

Explore the world of work with our family of **O*NET sites!**



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What's in O*NET?

Knowledge

Skills

Abilities

Tasks

Work Activities

Work Context

Interests

Work Styles

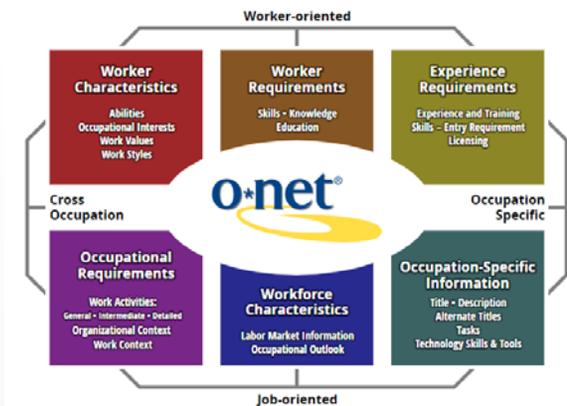
Work Values

Tools & Technologies

Related Occupations

Supplemented with:

- Education, Training and Experience Required
- Wages
- Employment Trends/Outlook
- Links to resources on job openings, credentials, education/training





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How is O*NET information used

- Framework/common language for describing the world of work for:
 - Job seekers,
 - Students,
 - Employers,
 - Educators,
 - Economic developers,
 - Workforce professionals
 - Economic Researchers



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THE FUTURE OF EMPLOYMENT: HOW SUSCEPTIBLE ARE JOBS TO COMPUTERISATION?

Carl Benedikt Frey and Michael A. Osborne
Oxford University September 17, 2013

- To implement the above described methodology, we rely on O*NET, an online service developed for the US Department of Labor.
- For our purposes, **an important feature of O*NET** is that it **defines the key features of an occupation as a standardised and measurable set of variables**, but also **provides open-ended descriptions of tasks specific to each occupation**.
- This allows us to:
 - (a) objectively rank occupations according to the mix of knowledge, skills, and abilities they require; and
 - (a) (b) subjectively categorise them based on the variety of tasks they involve



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Uses of O*NET DWA to Task Hierarchy for Automation research

ECONOMIC CONSEQUENCES OF ARTIFICIAL INTELLIGENCE AND ROBOTICS

What Can Machines Learn and What Does It Mean for Occupations and the Economy?

By Erik Brynjolfsson, Tom Mitchell, and Daniel Rock*

- Successful application of machine learning is contingent on a variety of task characteristics and contextual factors of work activities.
- We use the O*NET content model for 964 occupations in the US economy joined to 18,156 specific tasks at the occupation level, which are further mapped to 2,069 direct work activities (DWAs) shared across occupations.
- We score each DWA for its Suitability for Machine Learning using a slightly extended version of the task evaluation rubric in Brynjolfsson and Mitchell (2017).



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CareerOneStop Credential information and Competency Model Clearinghouse

careeronestop
your source for career exploration, training & jobs
Sponsored by the U.S. Department of Labor. A proud partner of the [americanjobcenter](#) network.

Search CareerOneStop

Explore Careers ▼ Find Training ▼ Job Search ▼ Find Local Help ▼ Toolkit ▼ Resources For ▼

Certification Finder

New Search Find current certifications for your occupation or industry. Use the filters at left to refine your results.

Your Search

Keyword
Computer Systems Engineers Architects

Search by Certification Name, Organization, Industry or Occupation

Computer Systems Engineers Architects Search

We found 2506 certification(s) from 396 organization(s) for **Computer Systems Engineers Architects**.

Certification Name	Certifying Organization	Type
Cloud Architect	Dell Corporation	Core
Software Engineering Master Certification	IEEE Computer Society	Core
Certified Information Systems Security Professional - Engineering	International Information Systems Security Certification Consortium, Inc.	Advanced
Adobe Experience Manager Architect	Adobe Systems Incorporated	Advanced
Professional Cloud Solutions Architect Certification	Cloud Credential Council	Advanced
Certified Information Systems Security Professional - Architecture	International Information Systems Security Certification Consortium, Inc.	Advanced
Certified Electronics Technician	International Society of Certified	Specialty

Filter By

In Demand
Yes (120)

Industry
[Professional, Scientific, and Technical Services \(1544\)](#)
[Computer Systems Design and Related Services \(872\)](#)
[Other Professional, Scientific,](#)

<https://www.careeronestop.org/CompetencyModel/>

COMPETENCY MODEL CLEARINGHOUSE

careeronestop
A proud partner of the [americanjobcenter](#) network.

Search CareerOneStop

Get Started ▼ Industry Models ▼ Models in Action ▼ Tools ▼ Find Resources ▼

View an Industry Model

Information Technology
Long-term Care, Supports, and Services
Retail
Financial Services
Construction: Heavy Highway Civil
and others

Get Started Industry Models **Models in Action** Tools

Latest Industry Models

- [Health: Fundamentals of Health Care](#)
- [Water and Wastewater](#)
- [Engineering](#)

Do It Yourself

- [Build your own Model](#)
- [Build your own Career Ladder/Lattice](#)
- [View Demo: Build a Model](#)

What's New

- [Community College Develops National Web Portal for Competency-Based Education Resources](#)
- [California Community College System Develops New Program to Prepare](#)



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Eligible Training Provider Data



♥ Add to Favorites

Joint Military Attache School JMAS

Accounting - Tax Preparation Certificate of Completion

Total Enrolled	795
Completion Rate	93%
Employment Rate	86%
Median Earnings	\$5,842
Credential Rate	

♥ Add to Favorites

Virginia International University

Accelerated Bachelor of Science in Nursing

Total Enrolled	974
Completion Rate	82%
Employment Rate	58%
Median Earnings	\$4,204
Credential Rate	96%

♥ Add to Favorites

Joint Military Attache School JMAS

Ag Business - Crop Science Technician

Total Enrolled	702
Completion Rate	78%
Employment Rate	84%
Median Earnings	\$2,523
Credential Rate	97%

National Average

Total Enrolled	503
Completion Rate	83%
Employment Rate	75%
Median Earnings	\$15,550
Credential Rate	70%



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Workforce Information Grants to States (WIGS)

- State workforce agencies use WIGS to develop and disseminate essential state and local WLMI for job seekers, employers, educators, economic developers, and others.
- Total grant is \$32 million, distributed through a formula to states, DC, and some territories. The formula is: 40% of the grant is distributed equally, and the remaining 60% is distributed based on the states civilian labor force for the past twelve months. There is a variance to this formula for some US territories.
- Recognizing that each state labor market is unique, ETA gives states latitude to collect and deliver LMI that is best for the state.
- However, there are a few requirements, such as creating employment projections following a uniform procedure, required data provided to the Workforce Information Database, and each state is required to conduct outreach/marketing activities to promote their state LMI.



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Workforce Data Quality Initiative (WDQI)

- WDQI provides competitive grants to support states in developing, connecting, and enhancing longitudinal data systems that contain information on individuals as they progress through the education system and into the workforce.
- Some states have developed comprehensive data systems that link individuals' demographic information, high school transcripts, college transcripts, and quarterly wage data
- These systems integrate education and workforce data and provide valuable information to consumers, practitioners, policymakers, researchers, and evaluators about the performance of education and workforce development programs.
 - Help state leaders identify effective pathways through education and training services that lead to success in the workforce
 - Provide research and evaluation on the **effectiveness** of workforce and education programs
 - Provide customer-friendly information that helps customers make smart choices and their education and careers and **select the education and training programs** that best suit their needs.



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Workforce Performance Results

Workforce Performance Results

Annual Performance and Accountability Reports

WIOA Performance Accountability Definitions

Participant Data Archive

Quarterly Workforce System Results Archive

State Annual Plans Archive

WIA Performance Results Archive

WIOA Performance Guidance

WIOA Technical Assistance Resources and Tools

WIOA Negotiations

Wage Interchange Systems

Workforce Data Quality Initiative

Quarterly Workforce System Results

WIOA Annual Results

WIOA Success Stories

Workforce Integrated Performance System (WIPS)

WIOA Title I and III Annual Report Data: Program Year 2018

Programmatic performance data is important for all workforce system partners, stakeholders such as State and Local Workforce Development Boards (WDBs), and the public to better understand workforce system operations, enhance services, and pursue continuous improvement for services to job seekers and employers. ETA invites you to learn more about our programs, services, and outcomes. Access these maps for ETA-9169 State level data including WIOA title I Adult, Dislocated Worker, and Youth programs as well as title III Wagner-Peyser data. The Workforce Innovation and Opportunity Act (WIOA) requires titles I and III programs to submit programmatic performance data to the Department of Labor (WIOA sec. 116 (d)); states report data annually through the ETA-9169 (OMB Control Number 1205-0526) reporting template.

Instructions: Select a state on the map or the table to view a quick snapshot of key data points for each state. For more detailed information use the table tab to drill down to individual performance indicators by state, see national information, compare programs, and view multiple states' data, and download information.

WIOA Data By Map | WIOA Data By Table | Help





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QUESTIONS?

