# Finding information about Credentials and in-demand Technology Skills

CareerOneStop Credentials Center

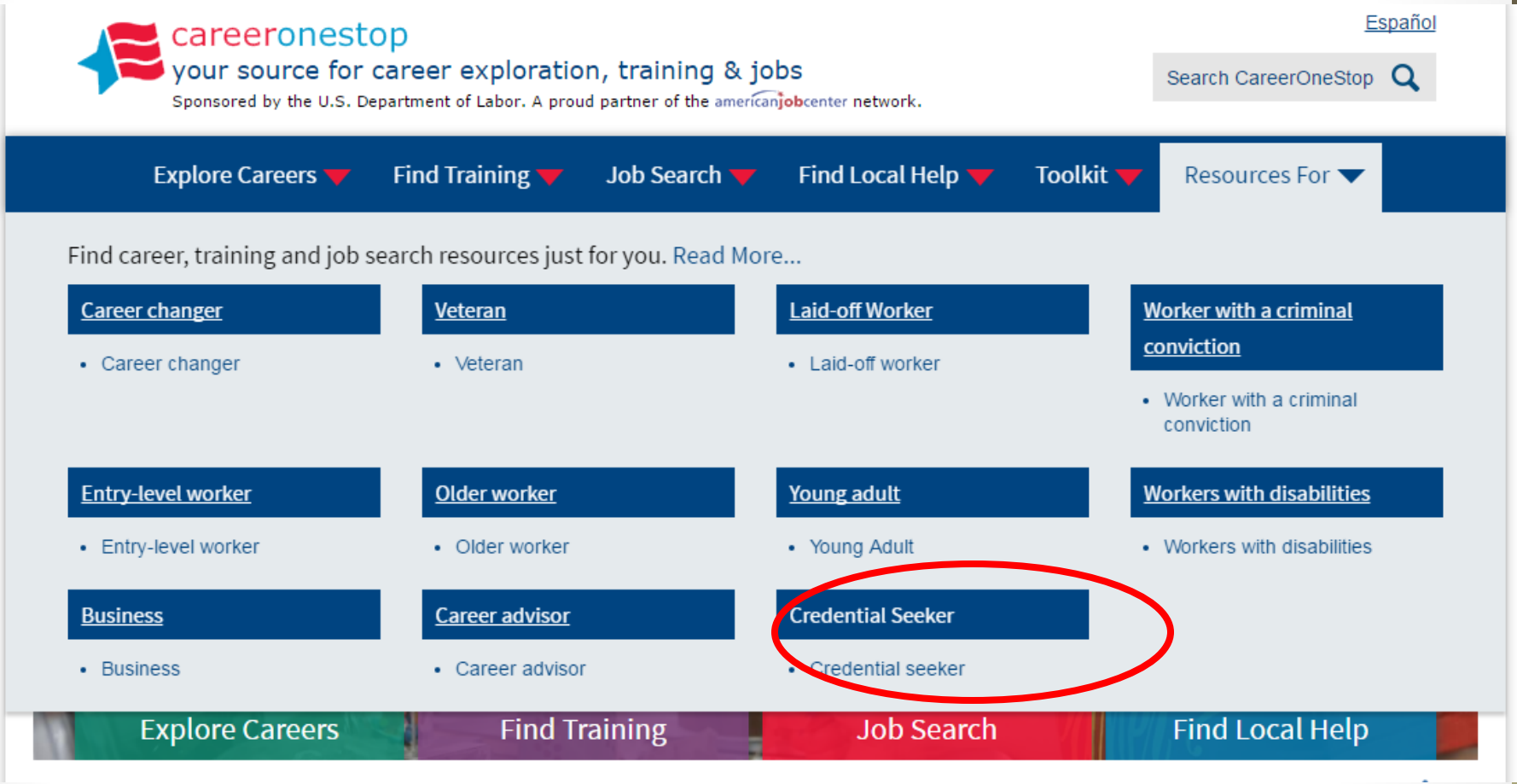
and

O*NET OnLine

# Current Population Survey
# Who has a certification or license?

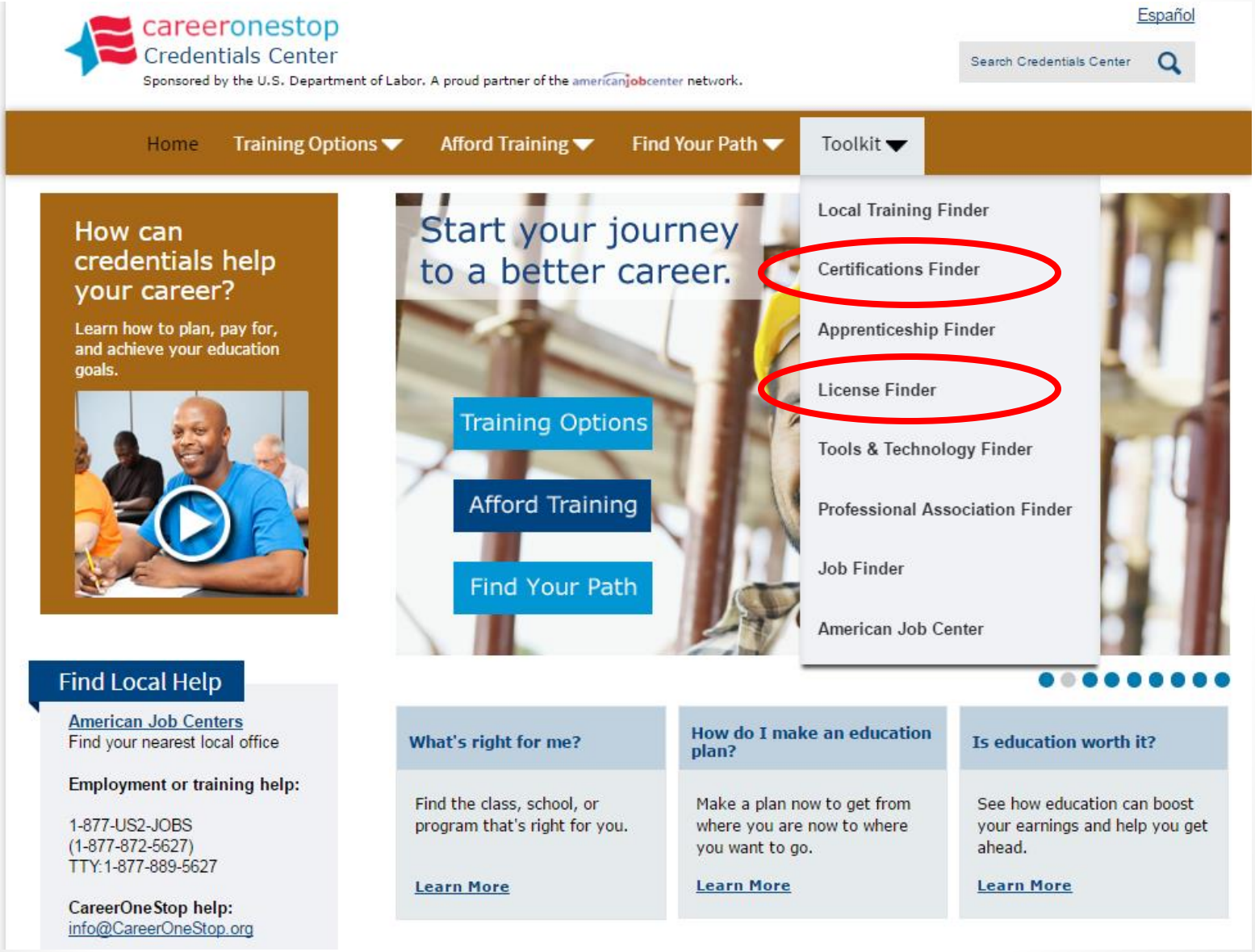
- 17.8% of the population (16+) in 2015
- 25.5% of the employed
  - 22.4% with a license (possible certification)
  - 3.1% with a certification, no license
  - https://www.bls.gov/cps/certifications-and-licenses.htm

# www.CareerOneStop.org

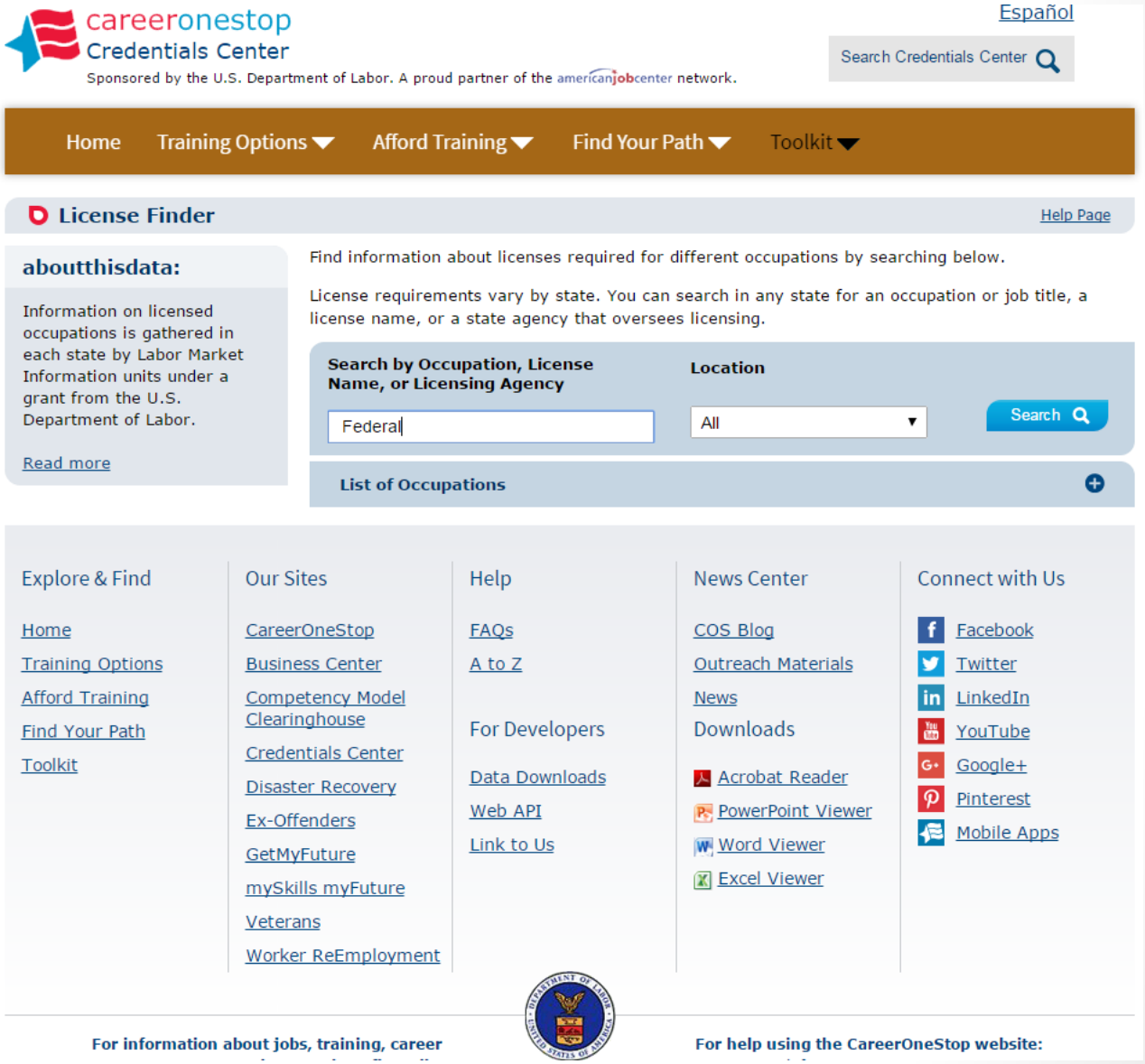


# CareerOneStop **Credentials Center**

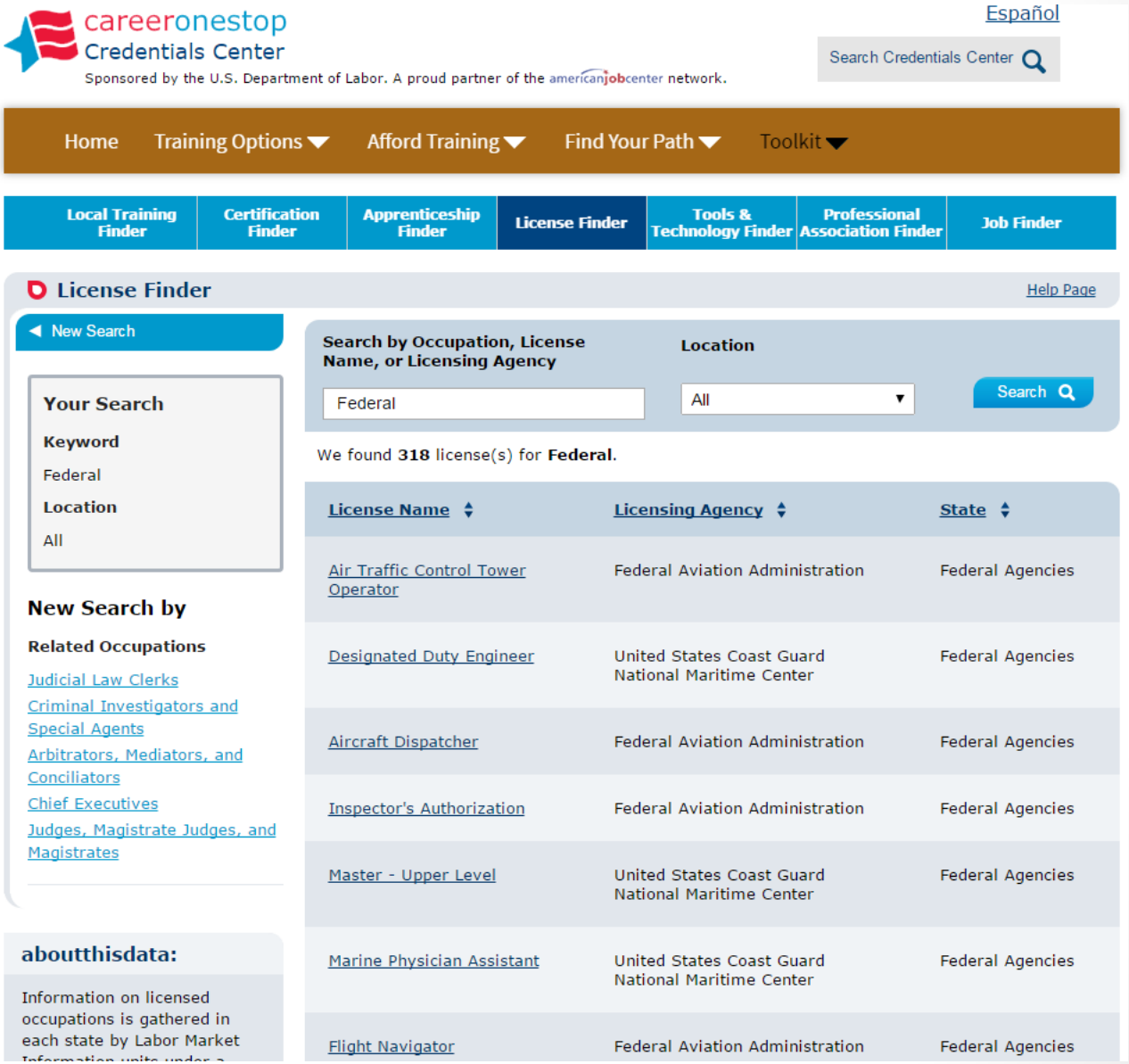
https://www.careeronestop.org/credentials/index.aspx



# CareerOneStop License Finder



# Federal agency licenses



# License Information

## Air Traffic Control Tower Operator

### License Description:

Requirements to obtain an Air Traffic Control Tower Operator certificate include passing a written test. Besides the basic certificate, to act at any operating position, the individual must pass a practical test on control tower equipment and its use. To obtain a facility rating, the individual must have at least six months experience and pass another practical test. This certificate is valid until surrendered, suspended or revoked, although the individual must maintain current experience to work under the certificate. Detailed information can be found at web sites: http://www.faa.gov/licenses_certificates/airmen_certification/airmen_FAQ, http://www.natca.org/assets/Documents/mediacenter/controller_brochure.pdf, http://www2.faa.gov/careers/employment/atc.htm, and http://www.access.gpo.gov/nara/cfr/cfrhtml_00/Title_14/14cfr65_00.html, parts 65.31-65.50.

### Licensing Agency:

Federal Aviation Administration
800 Independence Ave., SW
Washington, DC 20591
(202) 287-3484
http://www.faa.gov/licenses_certificates/airmen_certification/airmen_FAQ/

Download ▼

# New licensing project overview

- 3-year cooperative agreement (grant) to the National Conference of State Legislatures
  - Partnering with the
    - National Governor's Association
    - Council of State Governments
- To establish and work with an *occupational licensing policy* learning consortium of up to 10 states to provide
  - Technical assistance
  - Action plan to achieve strategies to
    - Improve licensure portability and reciprocity
    - Reduce licensure barriers to labor market entry

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## Certification Finder

**aboutthisdata:**

Data compiled and maintained by CareerOneStop and exclusively available on the CareerOneStop site.

Help

Find current certifications for your occupation or industry.

**Search by Certification Name, Organization, Industry or Occupation**

Keyword or Code

Search

**List of Occupations**

**List of Industries**

### Explore & Find

Home
Training Options
Afford Training
Find Your Path
Toolkit

### Our Sites

CareerOneStop
Business Center
Competency Model Clearinghouse
Credentials Center
Disaster Recovery
Ex-offenders
GetMyFuture
mySkills myFuture
Veterans
Worker ReEmployment

### Help

FAQs
A to Z

### For Developers

Data Downloads
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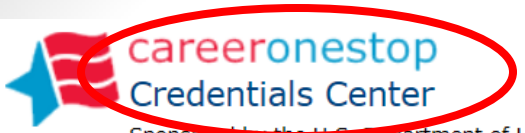
**For information about jobs, training, career resources, or unemployment benefits call:**
1-877-US2-JOBS (1-877-872-5627) or TTY 1-877-889-5627

**For help using the CareerOneStop website:**
info@careeronestop.org

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## Certification Finder

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**Search by Certification Name, Organization, Industry or Occupation**

logistics

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Acrobat Reader
PowerPoint Viewer
Word Viewer
Excel Viewer

### Connect with Us

Facebook
Twitter
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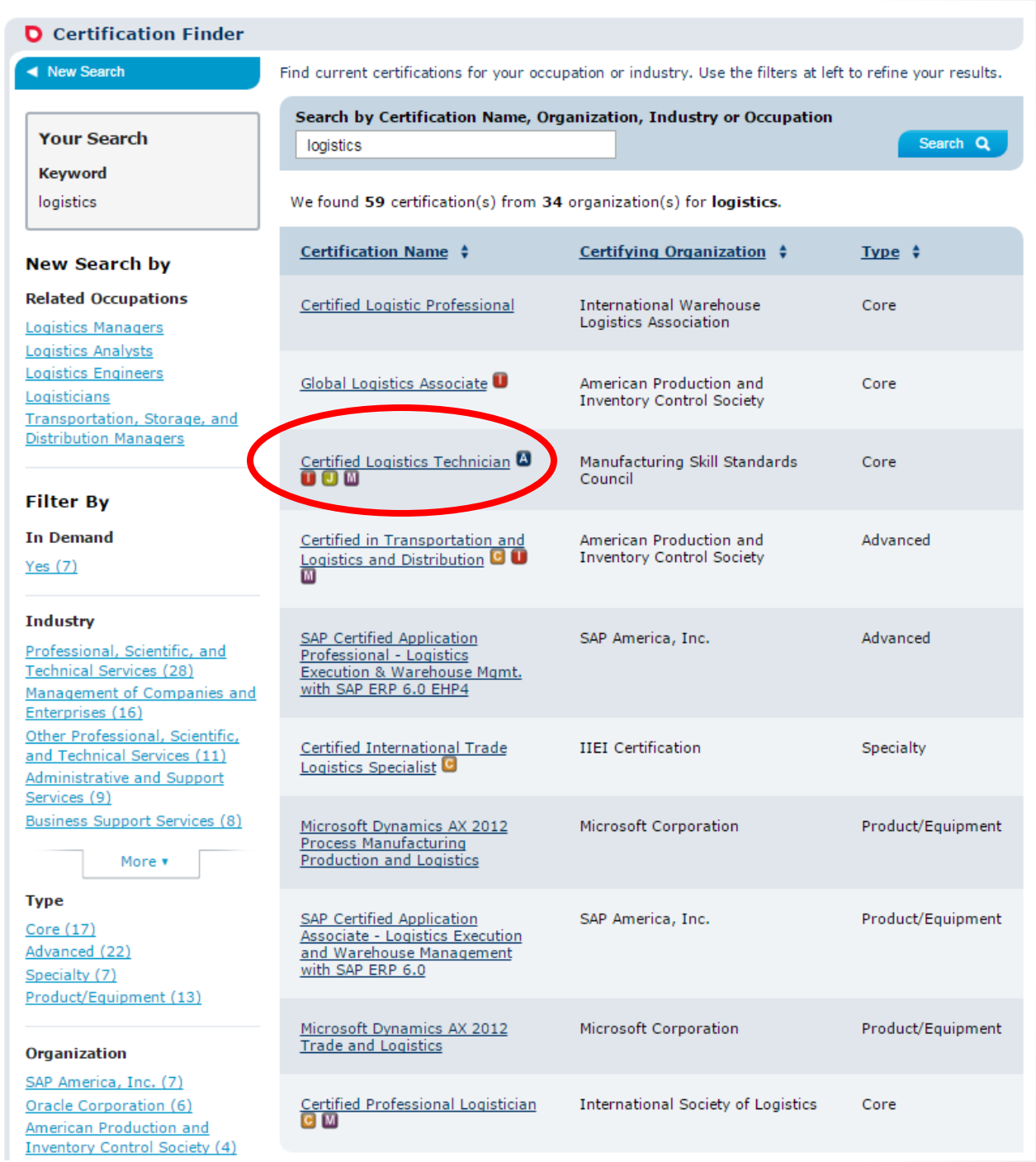
YouTube
Google+
Pinterest
Mobile Apps


Certification Finder
New Search
Find current certifications for your occupation or industry. Use the filters at left to refine your results.
Your Search
Keyword
logistics
Search by Certification Name, Organization, Industry or Occupation
logistics
Search
We found 59 certification(s) from 34 organization(s) for logistics.
New Search by
Related Occupations
Logistics Managers
Logistics Analysts
Logistics Engineers
Logisticians
Transportation, Storage, and Distribution Managers
Filter By
In Demand
Yes (7)
Industry
Professional, Scientific, and Technical Services (28)
Management of Companies and Enterprises (16)
Other Professional, Scientific, and Technical Services (11)
Administrative and Support Services (9)
Business Support Services (8)
More
Type
Core (17)
Advanced (22)
Specialty (7)
Product/Equipment (13)
Organization
SAP America, Inc. (7)
Oracle Corporation (6)
American Production and Inventory Control Society (4)
Certification Name
Certifying Organization
Type
Certified Logistic Professional
International Warehouse Logistics Association
Core
Global Logistics Associate
American Production and Inventory Control Society
Core
Certified Logistics Technician
Manufacturing Skill Standards Council
Core
Certified in Transportation and Logistics and Distribution
American Production and Inventory Control Society
Advanced
SAP Certified Application Professional - Logistics Execution & Warehouse Mgmt. with SAP ERP 6.0 EHP4
SAP America, Inc.
Advanced
Certified International Trade Logistics Specialist
IIEI Certification
Specialty
Microsoft Dynamics AX 2012 Process Manufacturing Production and Logistics
Microsoft Corporation
Product/Equipment
SAP Certified Application Associate - Logistics Execution and Warehouse Management with SAP ERP 6.0
SAP America, Inc.
Product/Equipment
Microsoft Dynamics AX 2012 Trade and Logistics
Microsoft Corporation
Product/Equipment
Certified Professional Logistician
International Society of Logistics
Core

Home | Training Options | Afford Training | Find Your Path | Toolkit

Local Training Finder | Certification Finder | Apprenticeship Finder | License Finder | Tools & Technology Finder | Professional Association Finder | Job Finder

## Certification Finder

◄ Back to Results

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

### aboutthisdata:

Data compiled and maintained by CareerOneStop and exclusively available on the CareerOneStop site.

Help

**Search by Certification Name, Organization, Industry or Occupation**

logistics

Search

## Certification Search Results: Certification Information

### Certified Logistics Technician(CLT)

**Certification Description**

This credential addresses the core competencies of higher skilled, front-line material handling workers (first line of supervision) across the supply chain: from factories, to warehouses, to distribution centers to transporters.

**Certifying Organization**

Manufacturing Skill Standards Council
http://www.msscusa.org/

**Certification Details**

- Education and Training Required? **No**
- Work Experience Required? **No**
- Oral or Written Exam Required? **Yes**
- Renewal Required? **Every 5 Year(s)**
- Renew through Continuing Educational Units(CEU)? **No**
- Renew through Re-Examination? **Yes**
- Renew through Continuing Professional Development(CPD)? **No**
- Does applicant have choice of at least two options from above for renewal (CEU, CPD, or exam)? **No**

**More Certification Information**

Certified Logistics Technician Website

◄ Back to Results

# COS Certification Icon Definitions

- **What do the icons next to the certifications mean?**
- The icons indicate the certification is:
  - in demand, or
  - the certification or certifying organization is related to or accredited by a third-party organization or program

# Overview of Certification Icons

**= This certification is considered in demand.**

- CareerOneStop's analysis indicates the certification is frequently mentioned in online job postings.

**= This certification is accredited by ANSI.**

- The American National Standards Institute (ANSI)

**= This certification is related to Career and Technical Education Career Clusters**

- Certifications marked with [C] are related to the knowledge and skills specified in one or more of the sixteen Career and Technical Education Programs of Study.

**= This certification is industry-endorsed**

- Certifications marked as third-party endorsed are endorsed by a major industry association that is not itself the developer of the certification.

**= This certification is related to the Job Corps training program.**

- Certifications marked with [J] are ones that have been selected by the industry groups that advise the Job Corps program on their training program offerings.

**= This certification is related to Military Occupational Specialties.**

- These certifications were identified in Credentialing Opportunities On-Line (COOL) sites

**= This certification is accredited by NCCA.**

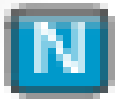
- The National Commission for Certifying Agencies

# In-demand icon

- **= This certification is considered in demand.**
- CareerOneStop's analysis indicates the certification is frequently mentioned in online job postings.

# = This certification is accredited by ANSI

- The **American National Standards Institute** (ANSI) is a private non-profit organization that accredits the procedures of organizations that develop voluntary national consensus standards for U.S. business products, services, processes, systems, and personnel. Accreditation by ANSI signifies that the procedures used by the standards body in connection with the development of American National Standards meet the Institute's essential requirements for openness, balance, consensus and due process. As part of its work, ANSI provides accreditation services to organizations that offer workplace credentials, including personnel certificates and certifications. Learn more about ANSI Accreditation Services or how to apply for ANSI accreditation. ANSI currently supports four types of workplace credential accreditation:
- Accreditation Program for Personnel Certification Bodies under ANSI/ISO/IEC 17024
- ANSI-Conference for Food Protection (CFP) Accreditation Program
- Certificate Program Accreditation
- ANSI-Interstate Renewable Energy Council (IREC) Joint Certificate Accreditation Program

#  = This certification is accredited by NCCA

- The **National Commission for Certifying Agencies** (NCCA) was created in 1987 by the Institute for Credentialing Excellence (ICE) to help ensure the health, welfare, and safety of the public through the accreditation of a variety of certification programs/organizations that assess professional competence. Programs that receive NCCA Accreditation demonstrate compliance with the NCCA's Standards for the Accreditation of Certification Programs or with a new standard for Assessment-Based Certificate Programs. NCCA uses a peer review process to: establish accreditation standards; evaluate compliance with the standards; recognize organizations/programs which demonstrate compliance; and serve as a resource on quality certification. Certification organizations that submit their programs for accreditation are evaluated based on the process and products, not the content, and are therefore applicable to all professions and industries. Learn more about NCCA accreditation services or how to Apply for NCCA accreditation.

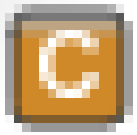
# = This certification is industry-endorsed

- Certifications marked as third-party endorsed are endorsed by a major industry association that is not itself the developer of the certification. Major industry associations include trade associations and organizations that represent a sizeable portion of a particular industry. They do not include individual companies.

- Some industries may have several major industry associations, and those associations may endorse different certifications. Workers interested in employment at a certain company should check to see which industry associations that company is affiliated with, and notice which certifications those industry associations endorse. Workers should also check for regional industry associations that may be specific to the area. Find links and contact information for professional and trade associations.

# = This certification is related to Military Occupational Specialties

- Certifications marked with [M] may draw on training and experience gained in certain military occupational specialties. These certifications were identified in **Credentialing Opportunities On-Line** (COOL) sites operated by the Army and Navy. Note that additional education or training may be required for a veteran with a certain military background to obtain the related civilian credential, based on number of years in the service, training, and specific work experiences. Learn more about Air Force COOL, Army COOL, Marine Corps COOL, or Navy COOL.

#  = This certification is related to Career and Technical Education Career Clusters

- **= This certification is related to Career and Technical Education Career Clusters**
- Certifications marked with [C] are related to the knowledge and skills specified in one or more of the sixteen Career and Technical Education Programs of Study. Please note that the certifications marked here are samples of existing related credentials and are not all-inclusive. This collection was updated in 2010 from the 2002 Career Cluster Resources Guide produced by the National Career Technical Education Foundation (NCTEF). They were reviewed by the Career Clusters™ Leaders and/or the National Advisory Committee. The certifications are flagged here for informational purposes and are not endorsed by NCTEF or the National Association of State Directors of Career Technical Education Consortium. Read more from the Career Technical Education Consortium.

# = This certification is related to the Job Corps training program

- Certifications marked with [J] are ones that have been selected by the industry groups that advise the Job Corps program on their training program offerings. Job Corps is a free education and training program that provides academic, career technical and social skills training to low-income youth, ages 16-24. Graduates of the program may earn a high school diploma or GED, as well as industry-recognized credentials in over 100 career areas, to ensure they have gained the skills and knowledge necessary to enter the workforce, join the military, or enroll in higher education. Job Corps operates 125 centers in 48 states, Puerto Rico, and the District of Columbia. Learn more about Job Corps or Find a Job Corps Center.

# NDAA requirements and relevant COS icons

**"(A) is accredited by a nationally-recognized, third-party personnel certification program accreditor;**

**= This certification is accredited by ANSI**

**= This certification is accredited by NCCA**

**"(B)(i) is sought or accepted by employers within the industry or sector involved as a recognized, preferred, or required credential for recruitment, screening, hiring, retention, or advancement purposes; and**

**= This certification is considered in demand**

**"(ii) where appropriate, is endorsed by a nationally-recognized trade association or organization representing a significant part of the industry or sector;**

**= This certification is industry-endorsed**

**"(C) grants licenses that are recognized by the Federal Government or a State government; or**

**CareerOneStop License Finder**

**https://www.careeronestop.org/Credentials/Toolkit/find-licenses.aspx**

**"(D) meets credential standards of a Federal agency.".**

# What are the different certification types?

There are five (5) types of certifications included here: **Core, Advanced, Specialty, Skill, and Product/Equipment**

## Core

- The certification does not have a minimum education level or has an education level below a two-year Associates of Arts or Associates of Sciences degree and the certification does not have a minimum requirement for work experience or requires two or less years of work experience.
- The certification has an education level of an Associates of Arts or Associates of Sciences degree or higher, but has a work experience requirement of less than 2 years of work experience.
- The certification has a work experience requirement of more than 2 years but does not require a two-year Associates of Arts or Associates of Sciences degree

**Advanced**

- The certification has an education level of an Associates of Arts or Associates of Sciences degree or higher and has a work experience requirement of more than 2 years, or requires obtaining a 'core' level certification from the same organization.

**Specialty**

- The certification corresponds to a specialty within a recognized occupation. For example Oncology Nurse and Pediatric Nurse are specialties within the nursing field, so Certified Oncology Nurse and Certified Pediatric Nurse would be classified as specialty certifications.

**Skill**

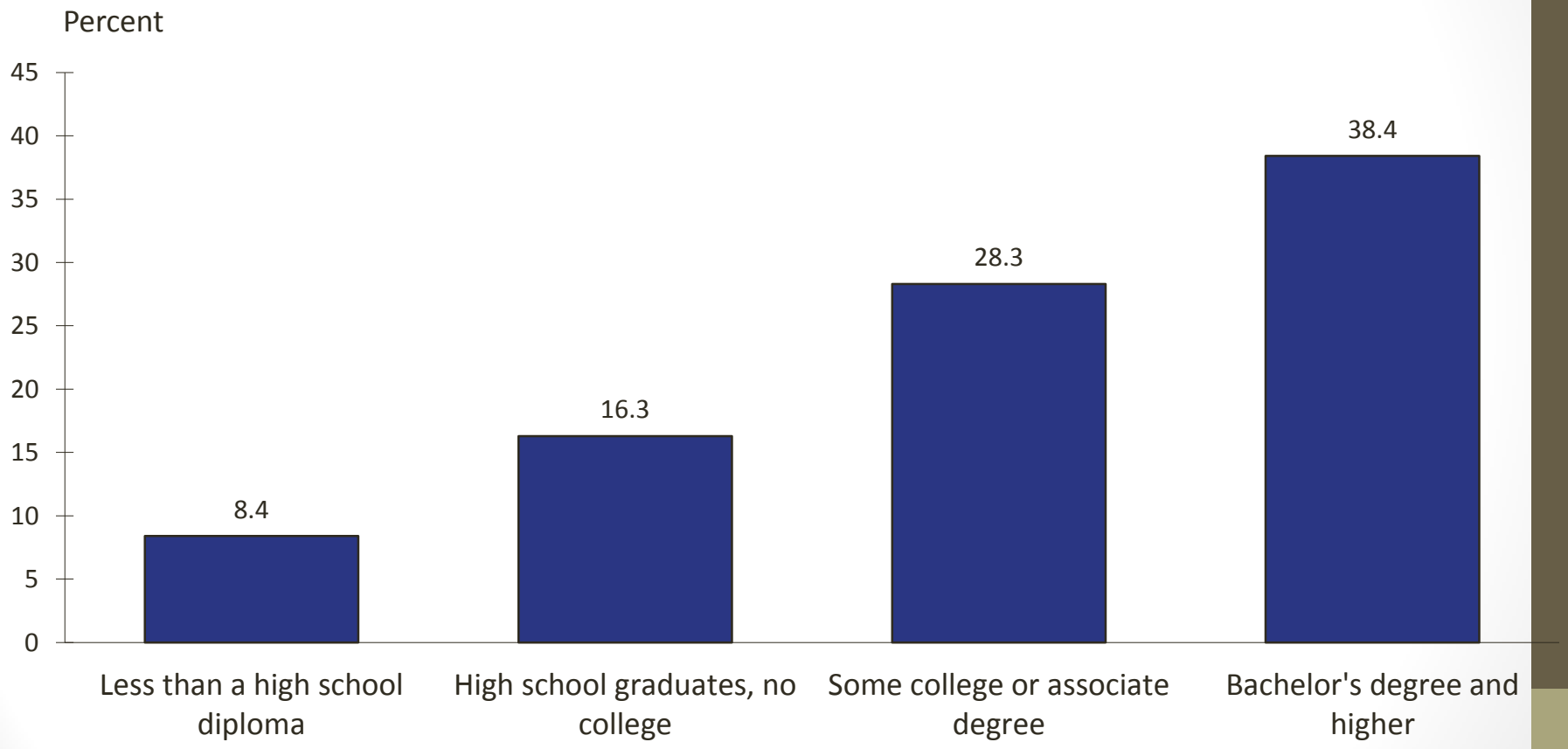
- A skill certification tests for basic skills and may or may not be related to a product. Examples of a skill certification would be CPR certification or word processing fundamentals certification.

**Product/Equipment**

- A product/equipment certification tests for knowledge about the use of proprietary software or hardware products. This classification is used primarily for computer-related companies such as IBM, CISCO, HP, etc.

| | | |
|---|---|---|
| Certified Master Logistician | International Society of Logistics | Advanced |
| Certified International Trade Professional | IIEI Certification | Advanced |
| Certified Supply Chain Professional | American Society of Transportation and Logistics | Advanced |
| Certified Technology Specialist-Installation | InfoComm International | Core |
| Certified Correctional Trainer | American Jail Association | Advanced |
| SAP Certified Application Professional - EWM with SAP SCM 7.0 EHP1 and WM with SAP ERP 6.0 EHP5 | SAP America, Inc. | Advanced |
| SAP Certified Application Professional - EWM with SAP SCM 7.0 EHP1 and WM with SAP ERP 6.0 EHP5 | SAP America, Inc. | Product/Equipment |
| SAP Certified Application Associate - SAP Business One 9.0 | SAP America, Inc. | Product/Equipment |
| Microsoft Dynamics AX 2012 Lean Manufacturing | Microsoft Corporation | Product/Equipment |
| Certified Emergency Operation Center (EOC) Manager | Center for Security and Emergency Management | Advanced |
| Certified Materials & Resource Professional | Association for Healthcare Resource & Materials Management | Core |
| Certified Maintenance & Reliability Professional | Society for Maintenance & Reliability Professionals | Advanced |

# Certifications and licenses were more common among employed people with higher educational attainment




Note: Data are 2015 annual averages of the percent of employed people age 25 or older with a certification or license.

# In-demand Technology Skills

O*NET OnLine

My Next Move

# O*NET OnLine

Occupation Quick Search:

Help | Find Occupations | Advanced Search | Crosswalks | Share | O*NET Sites

## Summary Report for:
### 15-1133.00 - Software Developers, Systems Software

Updated 2016

Bright Outlook

green

Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis.

**Sample of reported job titles:** Developer, Infrastructure Engineer, Network Engineer, Publishing Systems Analyst, Senior Software Engineer, Software Architect, Software Developer, Software Engineer, Systems Coordinator, Systems Engineer

View report: Summary | Details | Custom

Tasks | Technology Skills | Tools Used | Knowledge | Skills | Abilities | Work Activities | Detailed Work Activities | Work Context | Job Zone | Education | Credentials | Interests | Work Styles | Work Values | Related Occupations | Wages & Employment | Job Openings | Additional Information

### Tasks

5 of 16 displayed

- Modify existing software to correct errors, to adapt it to new hardware, or to upgrade interfaces and improve performance.
- Develop or direct software system testing or validation procedures.
- Direct software programming and development of documentation.
- Consult with customers or other departments on project status, proposals, or technical issues, such as software system design or maintenance.
- Analyze information to determine, recommend, and plan installation of a new system or modification of an existing system.

back to top

### Technology Skills

5 of 49 displayed Show 7 tools used

- **Development environment software** — Adobe Systems Adobe ActionScript; Apache Maven; Microsoft PowerShell; Verilog
- **Object or component oriented development software** — C++; jQuery; Microsoft ActiveX; Python
- **Operating system software** — Cisco Systems IOS; KornShell; Linux; Wind River VxWorks
- **Program testing software** — Defect tracking software; Fault testing software; Hewlett Packard LoadRunner; Unit testing software
- **Web platform development software** — Apache Tomcat; JavaScript; LAMP Stack; Ruby on Rails

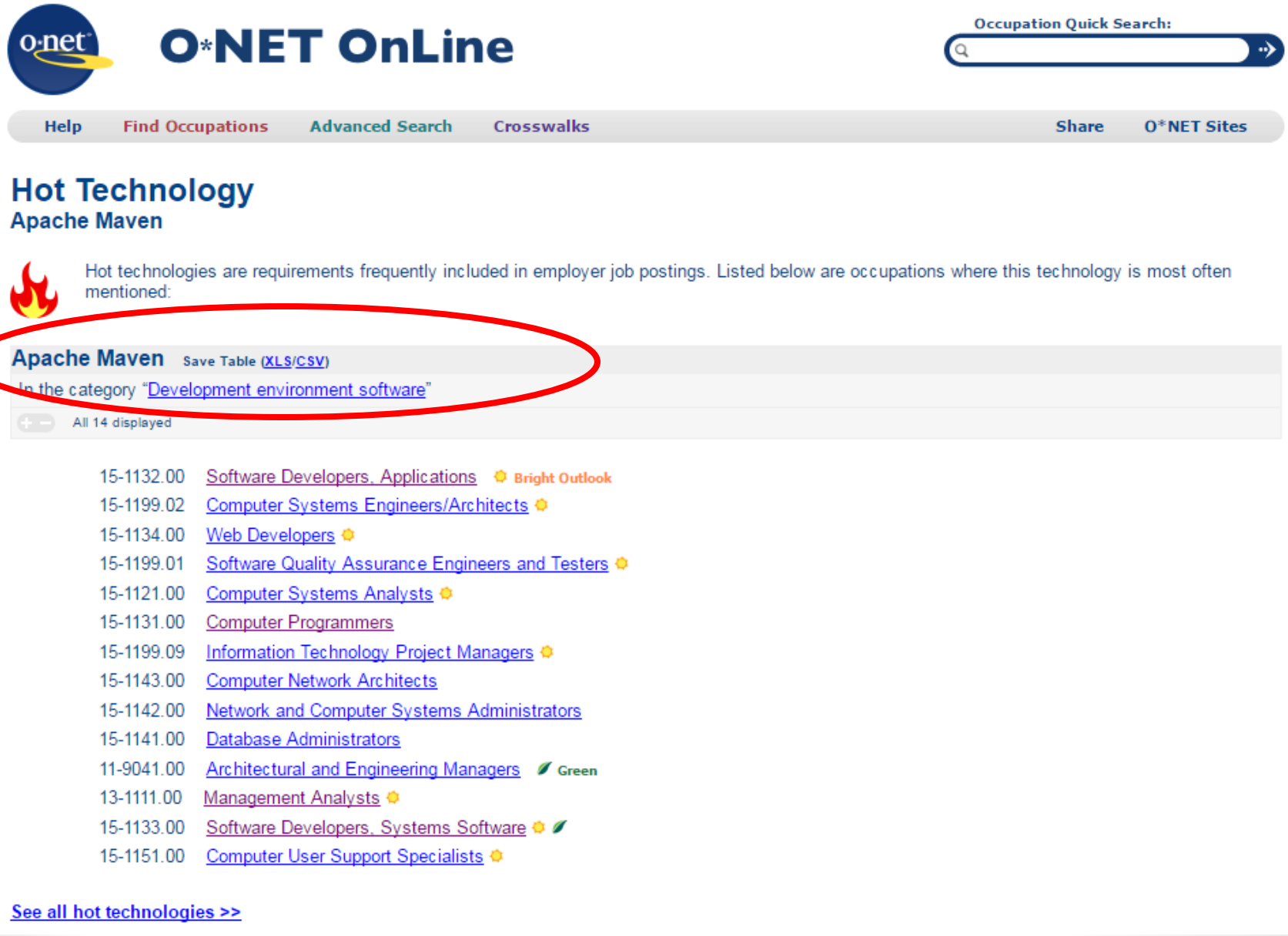
Hot Technology — a technology requirement frequently included in employer job postings.

back to top

### Knowledge

5 of 7 displayed

Click on the 'fire icon


O*NET OnLine
Occupation Quick Search:
Help
Find Occupations
Advanced Search
Crosswalks
Share
O*NET Sites
Hot Technology
Apache Maven
Hot technologies are requirements frequently included in employer job postings. Listed below are occupations where this technology is most often mentioned:
Apache Maven
Save Table (XLS/CSV)
In the category "Development environment software"
All 14 displayed
15-1132.00 Software Developers, Applications Bright Outlook
15-1199.02 Computer Systems Engineers/Architects
15-1134.00 Web Developers
15-1199.01 Software Quality Assurance Engineers and Testers
15-1121.00 Computer Systems Analysts
15-1131.00 Computer Programmers
15-1199.09 Information Technology Project Managers
15-1143.00 Computer Network Architects
15-1142.00 Network and Computer Systems Administrators
15-1141.00 Database Administrators
11-9041.00 Architectural and Engineering Managers Green
13-1111.00 Management Analysts
15-1133.00 Software Developers, Systems Software
15-1151.00 Computer User Support Specialists
See all hot technologies >>

# Hot technologies

- ***A "Hot Technology" is a technology requirement frequently included in employer job postings.***
- The concept of hot technologies was developed in order to enable a wide variety of customers to learn what types of software skills are in demand within the current United States economy.
- The hot technologies are incorporated within the primary O*NET websites.
- Hot technologies are **updated quarterly**

# Tools and Technology

Previous: Emerging Tasks
Next: UNSPSC Reference

Excel | Text | MySQL | SQL Server | Oracle

**Purpose:** Provide Tools and Technology examples.

**Download:** Tools and Technology.xlsx

## Structure and Description:

| Column | Type | Column Content |
|---|---|---|
| O*NET-SOC Code | Character(10) | O*NET-SOC Code *(see Occupation Data)* |
| Title | Character Varying(150) | O*NET-SOC Title *(see Occupation Data)* |
| T2 Type | Character Varying(10) | "Tools" or "Technology" |
| T2 Example | Character Varying(150) | Text of T2 example |
| Commodity Code | Integer(8) | UNSPSC commodity code *(see UNSPSC Reference)* |
| Commodity Title | Character Varying(150) | UNSPSC commodity title *(see UNSPSC Reference)* |
| Hot Technology | Character(1) | Whether example is classified as a hot technology (Y=yes, N=no) |

This file contains the Tools and Technology examples, including hot technologies, associated with O*NET-SOC occupations. Each example is classified in two ways: the column "T2 Type" indicates whether the example is a tool or a technology (software product), and the columns "Commodity Code" and "Commodity Title" classify the example under the United Nations Standard Products and Services Code (UNSPSC). See the UNSPSC Reference section for more information.

The "Hot Technology" column indicates requirements frequently included in employer job postings. A concise list of all hot technologies may be downloaded from O*NET OnLine.

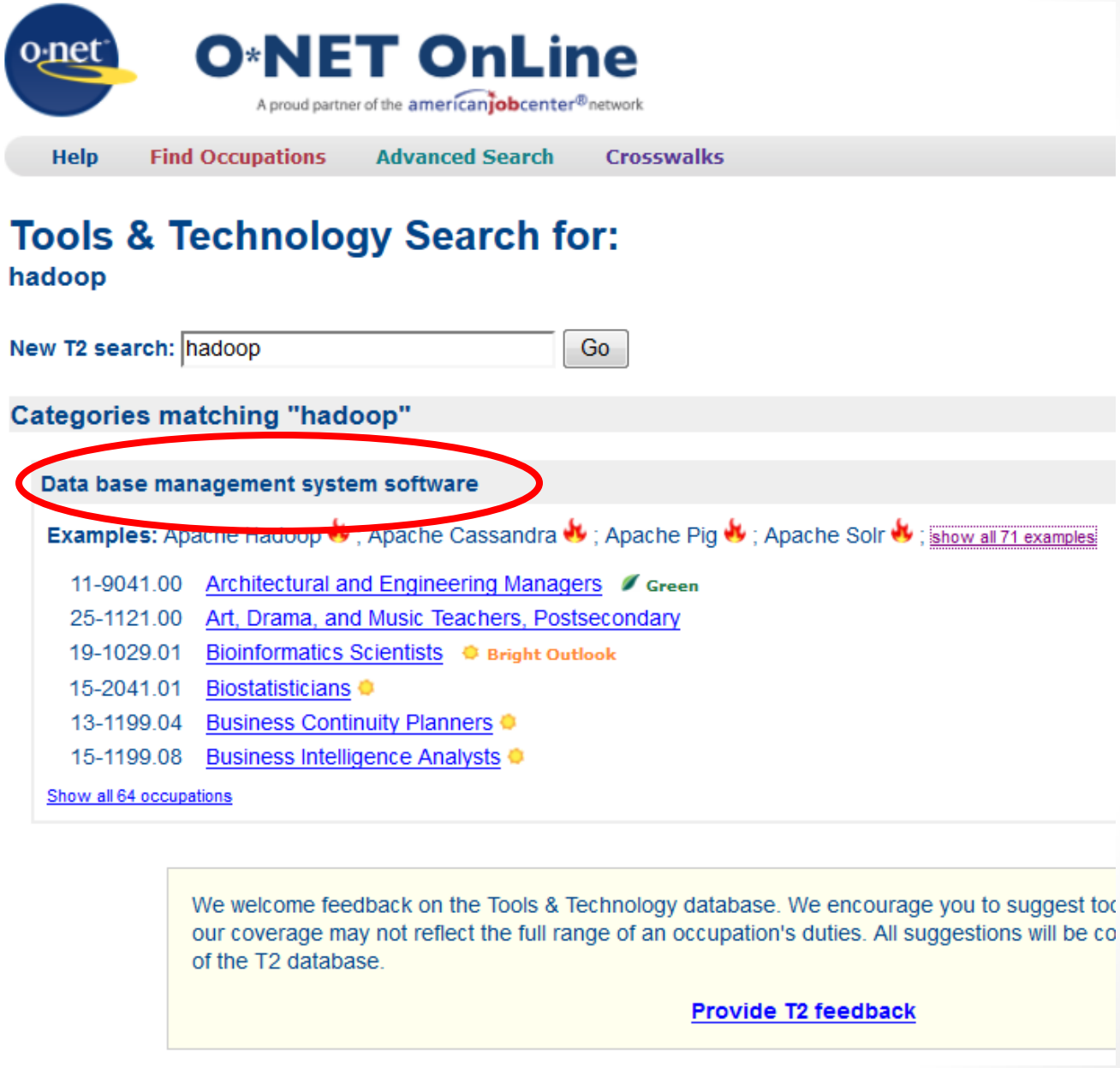
We welcome feedback on the T2 database. We accept suggestions for new tools and technologies via our T2 feedback process. Suggestions will be considered for a future update of the T2 database.

The file is displayed in seven tab delimited fields with the columns named O*NET-SOC Code, Title, T2 Type, T2 Example, Commodity Code, Commodity Title, and Hot Technology. The seven fields are represented by one row. There are a total of 67,525 rows of data in this file.

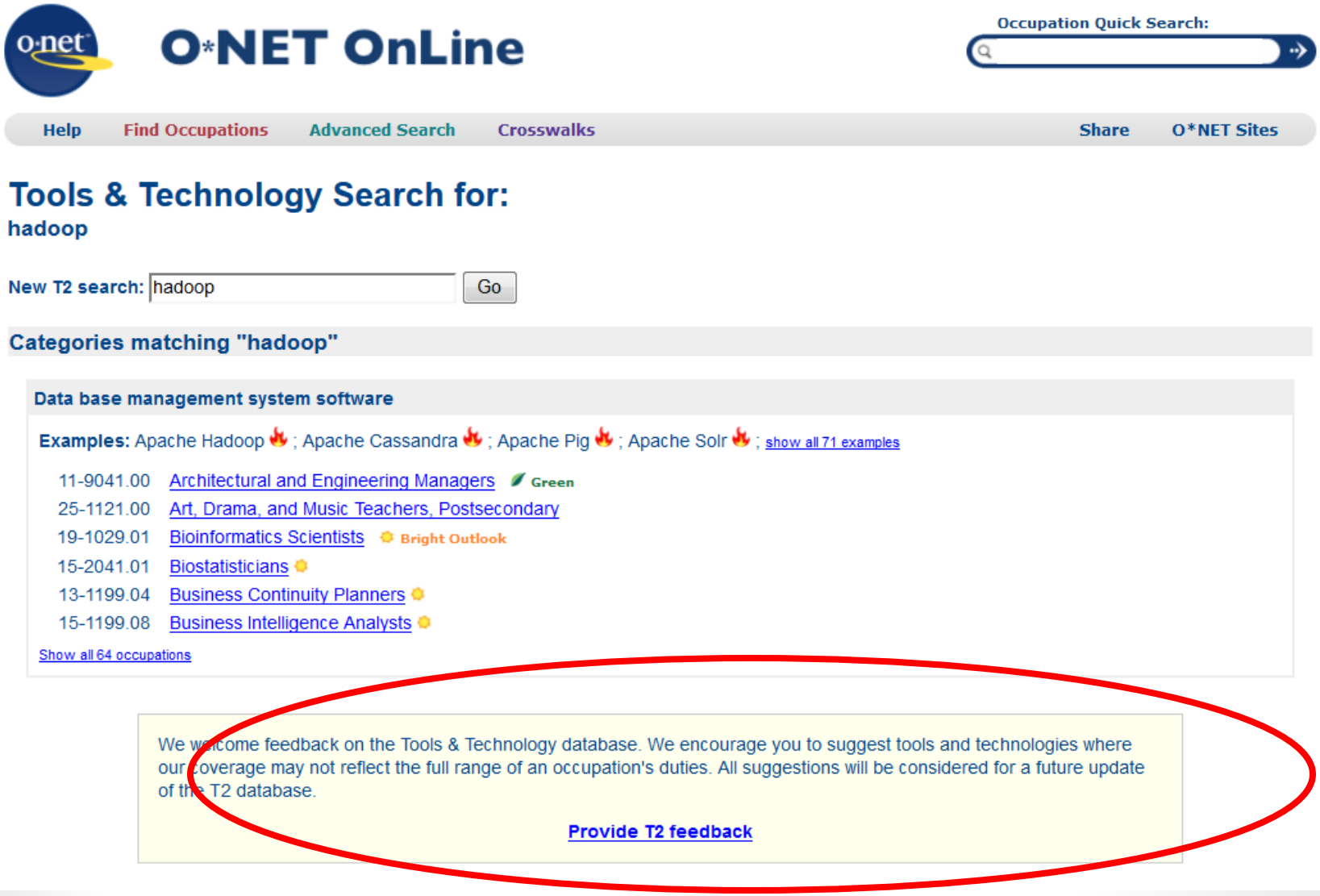
For more information, see:

- O*NET Center Tools and Technology Quality Control Processes
- O*NET Tools and Technology: A Synopsis of Data Development Procedures
- Identification of "Hot Technologies" within the O*NET® System
- Tools and Technology Search

# O*NET also identifies the type of technology tool



# Capability to search for a technology term and find related occupations that also use that



# 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® 21.2 Database

The O*NET database contains a rich set of variables that describe work and worker characteristics, including skill requirements. Developers and other customers are encouraged to incorporate the O*NET database within their products, services, and research. This section contains an overview of the most recent database and a variety of database download options, as well as format-specific data dictionaries.

Overview | All Files | **Individual Files**

Knowledge, Skills, Abilities
Education, Experience, Training
Interests, Work Values, Work Styles
Tasks
Tools & Technology
Work Activities
Work Context
Occupation Titles
Related Occupations
Green
Data Collection

### Knowledge, Skills, Abilities

| | | | | | | |
|---|---|---|---|---|---|---|
| **Knowledge** | This file contains the Content Model Knowledge data associated with each O*NET-SOC occupation. Full description | Excel | Text | MySQL | SQL Server | Oracle |
| **Skills** | This file contains the Content Model Skill data associated with each O*NET-SOC occupation. Full description | Excel | Text | MySQL | SQL Server | Oracle |
| **Abilities** | This file contains the Content Model Ability data associated with each O*NET-SOC occupation. Full description | Excel | Text | MySQL | SQL Server | Oracle |

## Tasks

| | | | | | | |
|---|---|---|---|---|---|---|
| **Task Statements** | This file contains the tasks associated with each O*NET-SOC occupation. Full description | Excel | Text | MySQL | SQL Server | Oracle |
| **Task Ratings** | This file contains the task ratings associated with each O*NET-SOC occupation. Full description | Excel | Text | MySQL | SQL Server | Oracle |
| **Task Categories** | This file contains the categories associated with the Task content area. Full description | Excel | Text | MySQL | SQL Server | Oracle |
| **Emerging Tasks** | This file contains new and revised task statements proposed for future data collection. Full description | Excel | Text | MySQL | SQL Server | Oracle |

## Tools & Technology

| | | | | | | |
|---|---|---|---|---|---|---|
| **Tools and Technology** updated in 21.2 | This file contains the Tools and Technology examples, including hot technologies, associated with O*NET-SOC occupations. Full description | Excel | Text | MySQL | SQL Server | Oracle |
| **UNSPSC Reference** updated in 21.2 | This file contains a listing of commodities in the United Nations Standard Products and Services Code (UNSPSC), version 15.1101. Full description | Excel | Text | MySQL | SQL Server | Oracle |

## Work Activities

| | | | | | | |
|---|---|---|---|---|---|---|
| **Work Activities** | This file contains the Content Model Work Activity data associated with each O*NET-SOC | | | | | |

# CareerOneStop Downloadable Files

# Contact Information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