

# Registered Apprenticeship Guide for Businesses



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Workforce Solutions Rural Capital Area is responsible for planning, overseeing, setting policy and monitoring the service delivery of federal and state legislative policies and resources related to workforce development. With these resources we provide no cost recruitment and employment services to businesses and job seekers in the Rural Capital Area of Texas.

We understand that the success of your business is largely dependent on the ability to find qualified candidates to fill your staffing needs. Yet, the task of finding and maintaining employees with the right skills, training and education can be daunting. That's where we come in.

Customized skill training can be developed through the support of various grants. However, we always suggest reaching out to us directly so we can devise a unique plan to meet your specific needs.

## TRAIN YOUR WORKFORCE

- ★ The Skills Development Fund is a collaboration between businesses, community colleges, and workforce boards to offer customized training initiatives based on the needs of industry. It includes Recruit Texas which gives special consideration to employers moving in from out of the state.
- ★ The High Demand Job Training Program is a collaboration between Economic Development Corporations and workforce boards to identify occupations that are important for the development of a local area. The Texas Workforce Commission will supply matching funds with the intent to develop training that will support the local economy.
- ★ The Texas Industry Partnership Program is a matching grant intended to support private businesses in key industries to improve the workforce pipeline.
- ★ The Skills for Small Business Program supports small businesses in accessing training and education for their employees.
- ★ Develop a customized Registered Apprenticeship program and prepare workers through specialized on-the-job training.



## RECRUITING & HIRING

- ★ **WorkinTexas.com** is our primary network for employers. We offer training on how to use it and can show you how the state's premier job matching portal can benefit your business.
- ★ Career and Job Fairs are hosted by Workforce Solutions Rural Capital Area offices to help adults and youth do career exploration and meet with local area employers.

## MORE SERVICES

- ★ On-site recruiting, interviewing and hiring
- ★ Wage and labor market information
- ★ Employee layoff assistance



# BUSINESS SERVICES TEAM



**Carl Braun**

Business Services Manager



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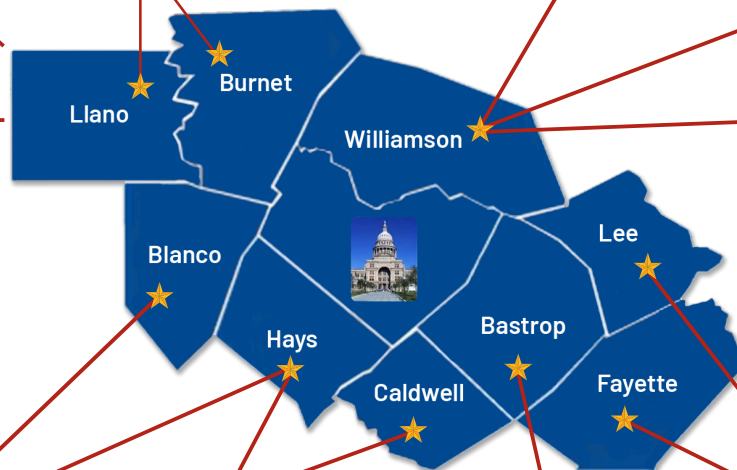
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**WHERE BUSINESS AND CAREERS MEET**



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[@WFSRuralCapJobs](https://www.instagram.com/WFSRuralCapJobs)  
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 Workforce Solutions Rural Capital Area  
 Workforce Solutions Rural Capital Area  
[www.workforcesolutionsrca.com](http://www.workforcesolutionsrca.com)

# A Quick-Start Toolkit

## Building Registered Apprenticeship Programs



Apprenticeship**USA**



**What do a computer programmer, an electrician, an office manager, a home health aide, and a wind turbine technician all have in common? They are all jobs that can be learned through an apprenticeship.** While 75 years ago the apprenticeship system started in construction and other skilled trades, today there are apprenticeships in over 1,000 occupations – including careers in Healthcare, Information Technology, Advanced Manufacturing, Transportation and Logistics, and Energy.

## Toolkit

This toolkit provides helpful steps and resources to start and register an apprenticeship program, from exploring the apprenticeship model as a workforce strategy to launching a new program. Whether you're a business or labor organization, an industry association or another kind of workforce intermediary, a community college or the public workforce system, or a community-based or service organization, we invite you to use this toolkit to...

- 1 Explore**  
Explore apprenticeship as a strategy to meet your needs for skilled workers
- 2 Partner**  
Partner with key players in your region to develop an apprenticeship program
- 3 Build**  
Build the core components of your apprenticeship program
- 4 Register**  
Register your program to join ApprenticeshipUSA network
- 5 Launch**  
Launch your new Registered Apprenticeship program

## Apprenticeship

Registered Apprenticeship is a tried-and-true approach for preparing workers for jobs – and meeting the business needs for a highly-skilled workforce that continues to innovate and adapt to meet the needs of the 21st century.

- Businesses that use apprenticeship reduce worker turnover by fostering greater employee loyalty, increasing productivity, and improving the bottom line.
- Apprenticeships offer workers a way to start new careers with good wages.
- Workforce organizations, community colleges, and other education and training institutions can use apprenticeship as a proven employment and training strategy.

# Explore.

# 1

## Explore apprenticeship as a strategy to meet your needs for skilled workers.

**Registered Apprenticeship is an employer-driven model that combines on-the-job learning with related classroom instruction that increases an apprentice's skill level and wages.** It is a proven solution for businesses to recruit, train, and retain highly skilled workers. Apprenticeship is not just for the private sector – many federal government agencies, including the U.S. military, have apprenticeship programs.

**Apprenticeship is a flexible training strategy that can be customized to meet the needs of every business. It can be integrated into current training and human resource development strategies.** Apprentices can be new hires – or businesses can select current employees to join the apprenticeship program. Apprenticeships are a good way to reward high-performing entry-level employees and move them up the career ladder within the business.

**Apprenticeship is also an “earn and learn” model – apprentices receive a paycheck from day one, so they earn wages while they learn on the job.** Over 400,000 apprentices participate every year in about 20,000 Registered Apprenticeship programs across the country.

### Benefits.



#### Benefits for Business...

- Highly-skilled employees
- Reduced turnover costs
- Higher productivity
- More diverse workforce

#### Benefits for Workers...

- Increased skills
- Higher wages
- National credential
- Career advancement

#### Benefits for Workforce Intermediaries and Education Organizations...

- Proven model to help job seekers immediately start working and increase skills and earnings
- Effective strategy to connect with employers in diverse fields and to use as part of industry sector strategies

# Question

Whether you are a growing business, a workforce intermediary helping employers build a skilled workforce, or a community college educating the local workforce, what workforce challenges have you identified?

- Jobs for which it is difficult to find workers with the right skills?
- Positions with high turnover?
- Occupations where a highly skilled workforce is retiring soon?
- Challenges helping workers keep pace with continuing industry advances?
- Positions requiring skills that can be learned on the job?
- Difficulty in attracting new and more diverse talent pools?

If the answer is “yes” to any of these questions, then apprenticeship is the right strategy to meet your needs for skilled workers.

## UPS



UPS uses Registered Apprenticeship to train delivery drivers. The company’s training processes are varied and comprehensive, and the apprenticeship program provides workers with valuable skills that will help them succeed in the long term. By having a Registered Apprenticeship program, UPS sends a clear message to job seekers that they will receive quality training and that the company has the tools to help them learn and advance. UPS has pledged to send 2,000 people through its program by 2018 who will work in package delivery, operations, and automotive repair. [Read more about the UPS partnership with Registered Apprenticeship](#)



To further explore Registered Apprenticeship as a workforce strategy...

- » Read [Registered Apprenticeship 101](#)
- » Listen to [Testimonials](#) about the value of apprenticeship
- » Read the [Solutions for Industry](#) fact sheet
- » Review the list of [Apprenticeable Occupations](#)
- » Review the [Frequently Asked Questions](#) on Registered Apprenticeship

# Partner.

## 2 Partner with key players in your region to develop an apprenticeship.

Are you ready to start developing an apprenticeship program? Don't go it alone! Successful apprenticeships are born from collaboration among partners – businesses, workforce intermediaries (such as industry associations or labor organizations), educational institutions, the public workforce system, and other key community organizations. The partnership works together to identify the resources needed, design the apprenticeship program, and recruit apprentices.



Possible  
Apprenticeship Partners

Every partner has a critical role to play:

### Business Partners (individual company, consortium of businesses)

- » Identify the skills and knowledge that apprentices must learn
- » Hire new workers, or select current employees, to be apprentices
- » Provide on-the-job training
- » Identify an experienced mentor to work with apprentices
- » Pay progressively higher wages as skills increase
- » Can provide related instruction in-house or in partnership with others

### Workforce Intermediaries (industry association, labor and joint labor-management organization, community-based organization)

- » Provide industry and/or workforce specific expertise (e.g. curriculum development) to support employers in a particular industry sector
- » Can serve as sponsor of an apprenticeship program taking responsibility for the administration of the program (thereby reducing the burden on employers)
- » Aggregate demand for apprentices, particularly with small- and medium-size employers, that may not have the capacity to develop an apprenticeship program on their own
- » Can be the provider of related instruction and supportive services as appropriate

### Educational Institutions (4-year college, community college, career and technical education)

- » Develop curriculum for related instruction
- » Deliver related instruction to apprentices
- » Can provide college credit for courses successfully completed
- » Aggregate demand for apprentices

## Public Workforce System (Workforce Investment Board, American Job Center)

- » Develop sector and/or career pathway strategies utilizing apprenticeship
- » Recruit and screen candidates to be apprentices
- » Provide pre-apprenticeship and basic skills preparation
- » Provide supportive services (such as tools, uniforms, equipment, or books)
- » Contribute funding for on-the-job training or related instruction

## Apprenticeship System (State office of apprenticeship)

- » Provide technical assistance and support to new sponsors
- » Answer questions about the apprenticeship model
- » Guide the partners through the steps to develop and register a program
- » Connect businesses with training providers
- » Advise partners on sources of funding to support apprenticeships

Other partners play important roles too! For example, economic development organizations can serve as a convener of businesses in the region. The K-12 educational system can help develop pipelines to apprenticeship for students. Community-based organizations may have capacity to help certain worker populations, such as women or veterans, and can provide supportive services to apprentices.

Every Registered Apprenticeship program has a “sponsor.” The sponsor is responsible for the overall operation of the program, working in collaboration with the partners. Sponsors can be a single business or a consortium of businesses. Alternatively, the sponsor can be a range of workforce intermediaries including an industry association or a joint labor-management organization. Community colleges and community-based organizations can also serve as sponsors for Registered Apprenticeship programs.



### To learn more about apprenticeship partnerships and connect with partners in your area...

- » Find the apprenticeship contact in your state using the [directory of state apprenticeship offices](#)
- » For national employers, contact the U.S. Department of Labor’s Office of Apprenticeship at (202) 693-2796 or via e-mail at [apprenticeship.usa@dol.gov](mailto:apprenticeship.usa@dol.gov)
- » Find and contact workforce investment boards and community colleges in your region by visiting [America’s Service Locator](#)

## Apprenticeship in the Energy Industry...



“AEP has had a distribution line apprentice program for over 40 years. The apprenticeship program sets the foundation for our field line mechanics to be able to evaluate a wide variety of field conditions so that a safe work plan can be developed and carried out to meet the challenging demands of the electric utility industry.”

- Debra Nobels, American Electric Power

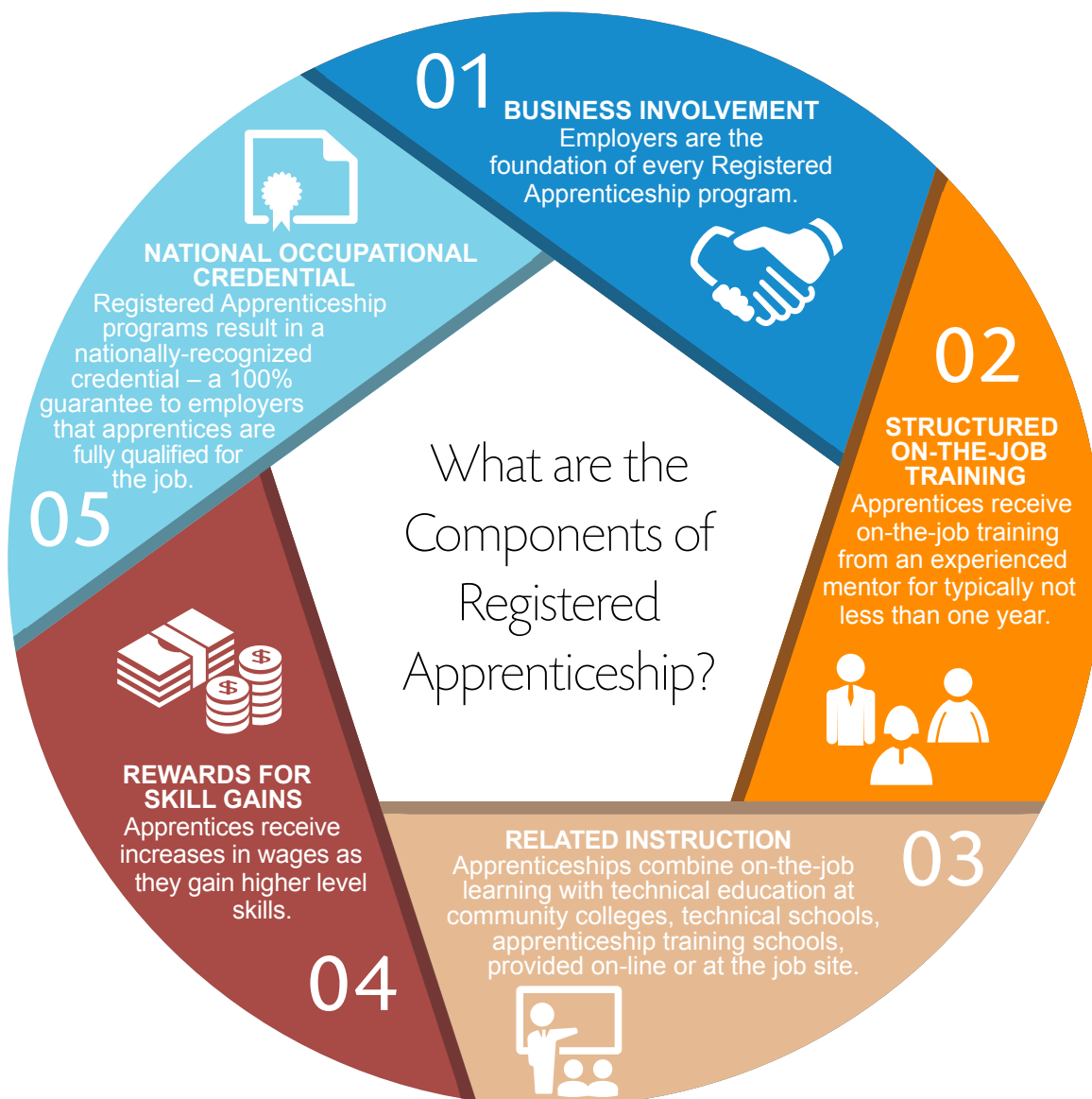
# Build.

## 3 Build the core components of your apprenticeship program.

With a strong partnership in place, the next step is to design and build your apprenticeship program. Apprenticeship programs consist of five core components: direct business involvement, on-the-job training, related instruction, rewards for skill gains, and completion resulting in a national occupation credential. For each, the partners will develop the details of that component, leverage the resources needed, and decide which partners will carry out that part of the program.



# Components



## Business Involvement.

Employers are the foundation of every apprenticeship program and the skills needed by their workforce are at the core. Businesses must play an active role in building the program and be involved in every step in designing the apprenticeship.



### On-the-Job Training.

Every program includes structured on-the-job training. Apprentices get hands-on training from an experienced mentor at the job site for typically not less than one year. On-the-job training is developed through mapping the skills and knowledge that the apprentice must learn over the course of the program in order to be fully proficient at the job.

### Related Instruction.

Apprentices receive related instruction that complements on-the-job learning. This instruction delivers the technical, workforce, and academic competencies that apply to the job. It can be provided by a community college, a technical school, or an apprenticeship training school – or by the business itself. Education partners collaborate with business to develop the curriculum based on the skills and knowledge needed by apprentices. All partners work together to identify how to pay for the related instruction, including the cost to the employer and other funds that can be leveraged.

### Rewards for Skill Gains.

Apprentices receive increases in pay as their skills and knowledge increase. Start by establishing an entry wage and an ending wage, and build in progressive wage increases through the apprenticeship as skill benchmarks are attained by apprentices. Progressive wage increases help reward and motivate apprentices as they advance through their training.



### National Occupational Credential.

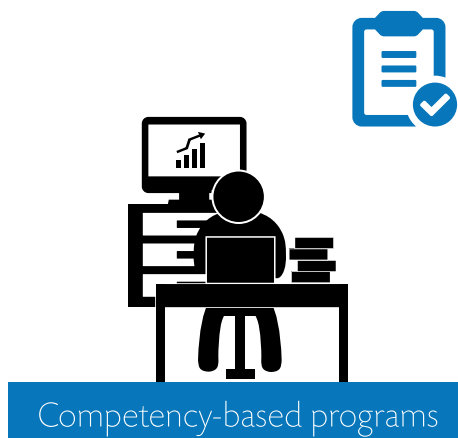
Every graduate of a Registered Apprenticeship program receives a nationally-recognized credential. As you build the program, keep in mind that apprenticeship programs are designed to ensure that apprentices master every skill and have all the knowledge needed to be fully proficient for a specific occupation.

# Apprenticeship programs can be customized to meet the needs of business and the skills of apprentices.

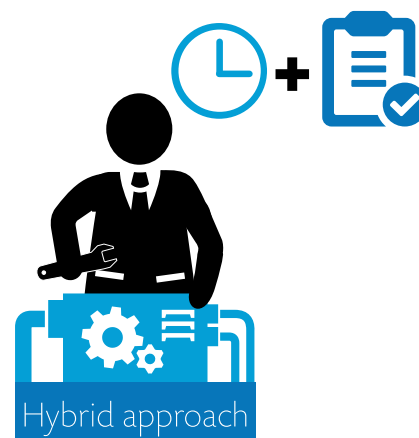
**Flexibility in Program Design.** Apprenticeships can be designed to be time-based, competency-based, or a hybrid of the two.



**In Time-based programs,** apprentices complete a required number of hours in on-the-job training and related instruction.



**In Competency-based programs,** apprentices progress at their own pace – they demonstrate competency in skills and knowledge through proficiency tests, but are not required to complete a specific number of hours.



Many programs are built using a **Hybrid approach**, using minimum and maximum range of hours and the successful demonstration of identified and measured competencies.

**Flexibility in Related Instruction.** There are many options for how the related instruction is provided to apprentices. Related instruction can be **based at the school, provided at the job site, or completed on-line.** It can take place during work time or after work hours.

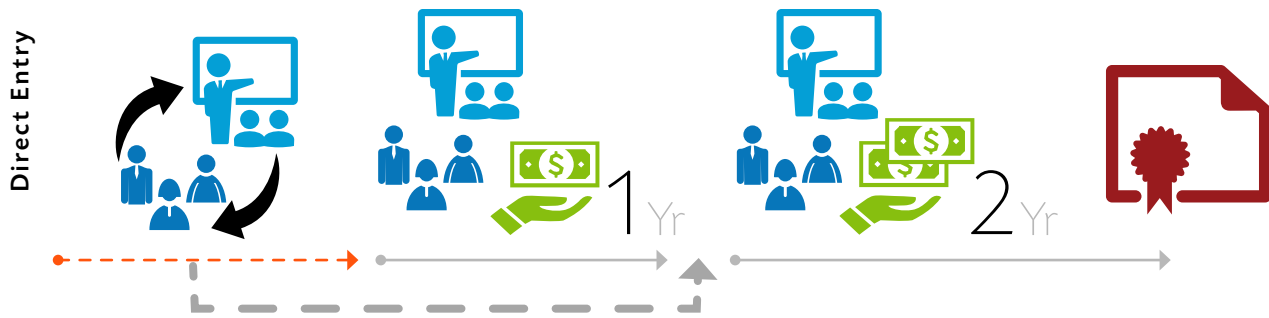
**Flexibility in Training Model.** The training components can be arranged in different ways to develop a model that works for both businesses and apprentices. In a **traditional apprenticeship model**, apprentices receive both related instruction and on-the-job training concurrently throughout the program. For a **“front-loaded” model**, apprentices complete some related instruction (which may be with the employer or a partner such as a community college or another school) before starting a job, in order to learn the critical skills required for the first day on the job site. Programs can also be built using a **“segmented” model** in which apprentices alternate between related instruction and on-the-job training. A **pre-apprenticeship** can also be built into the program, where essential basic skills are learned and then individuals are accepted into the apprenticeship program, sometimes receiving credit for prior experience.

## Apprenticeship in the Skilled Trades...

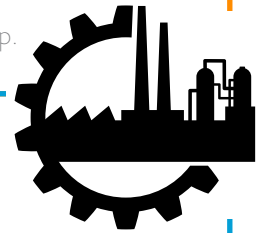
“As apprentices become journeymen, they take pride in the hard work they’ve put in, and they understand the importance of passing the knowledge and skills they’ve developed on to the next generation of apprentices that come behind them. That’s what Registered Apprenticeship is all about.”

- Chris Haslinger, United Association of Journeymen & Apprentices, of the Plumbing and Pipe Fitting Industry of the U.S., Canada and Australia

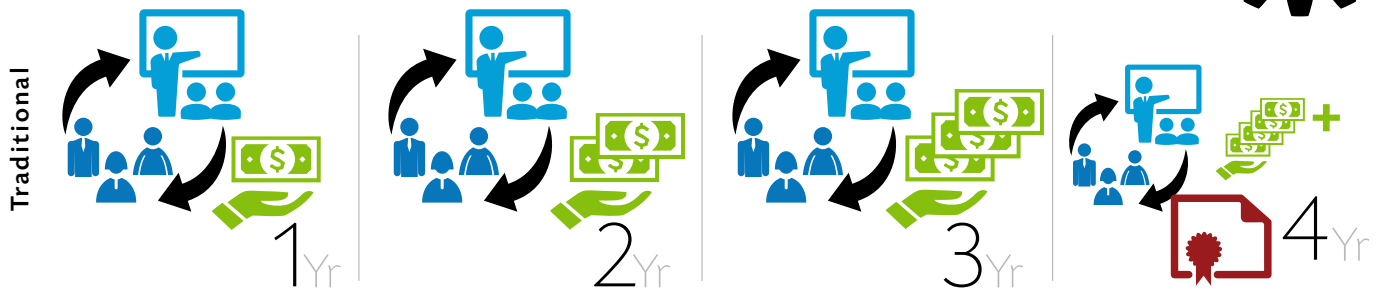
## Pre-Apprenticeship to Registered Apprenticeship Model



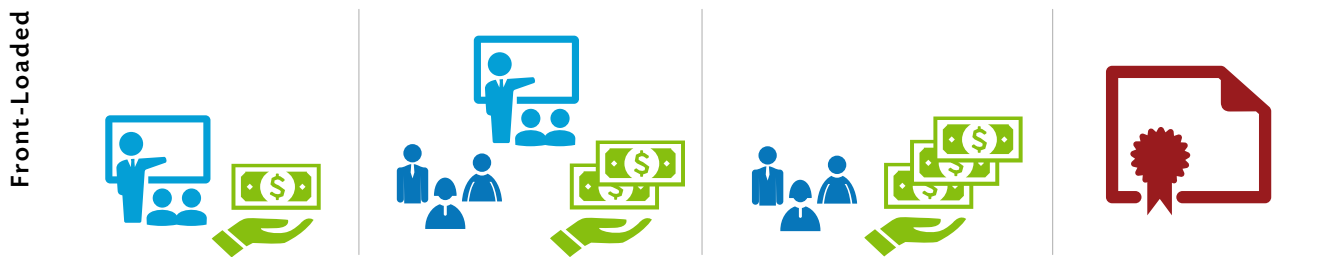
Quality Pre-Apprenticeship Programs have a partnership with a Registered Apprenticeship program to ensure direct entry with advanced credit upon completion of the Pre-Apprenticeship.



## Apprenticeship Models



Example shows a four-year program; however, program length varies and is driven by industry needs.



Example shows a program with diminishing time spent in related classroom instruction; however, all related instruction could occur at the beginning of program.



Example shows a one-year program spread out over two years with related instruction segmented between periods of on-the-job training.

### Key





Lastly, to build your apprenticeship program, you will need to identify the key people and organizational structure to operate the program. For example, who will be a great mentor for the apprentices? Is there an office or person at the business coordinating the program? What is the process for signing up apprentices for related instruction?

## SEIU Healthcare NW Training Partnership



As the nation's baby boomers enter retirement age, ensuring we have enough quality home care aides to serve them will continue to be a challenge. **The Service Employees International Union (SEIU) Healthcare NW Training Partnership is working to solve this problem by training a skilled home care workforce.** By taking a whole-person care approach to lowering costs and improving health and quality of life outcomes, the Training Partnership has designed an innovative training model that fundamentally transforms the current home care system. The training is delivered in 13 languages, both online and in more than 200 classrooms. In addition to the Registered Apprenticeship program, which includes advanced training and peer mentorship, they offer entry-level training and continuing education. [Read more about the SEIU partnership with Registered Apprenticeship](#)



**For more information on building the core components of an apprenticeship program...**

- » Watch the [Introduction to Registered Apprenticeship](#) and the [How to Set up a Registered Apprenticeship Program](#) trainings
- » Get more information on the flexible options (time-based, competency-based, and hybrid) for [apprenticeship program design](#)
- » Read examples of [innovative apprenticeship programs](#)
- » Use the [Competency Model Clearinghouse](#) and [O\\*NET OnLine](#) as resources to identify the skills and competencies needed in different industries and occupations
- » Review [samples of program components](#) for new apprenticeship occupations

# Register.

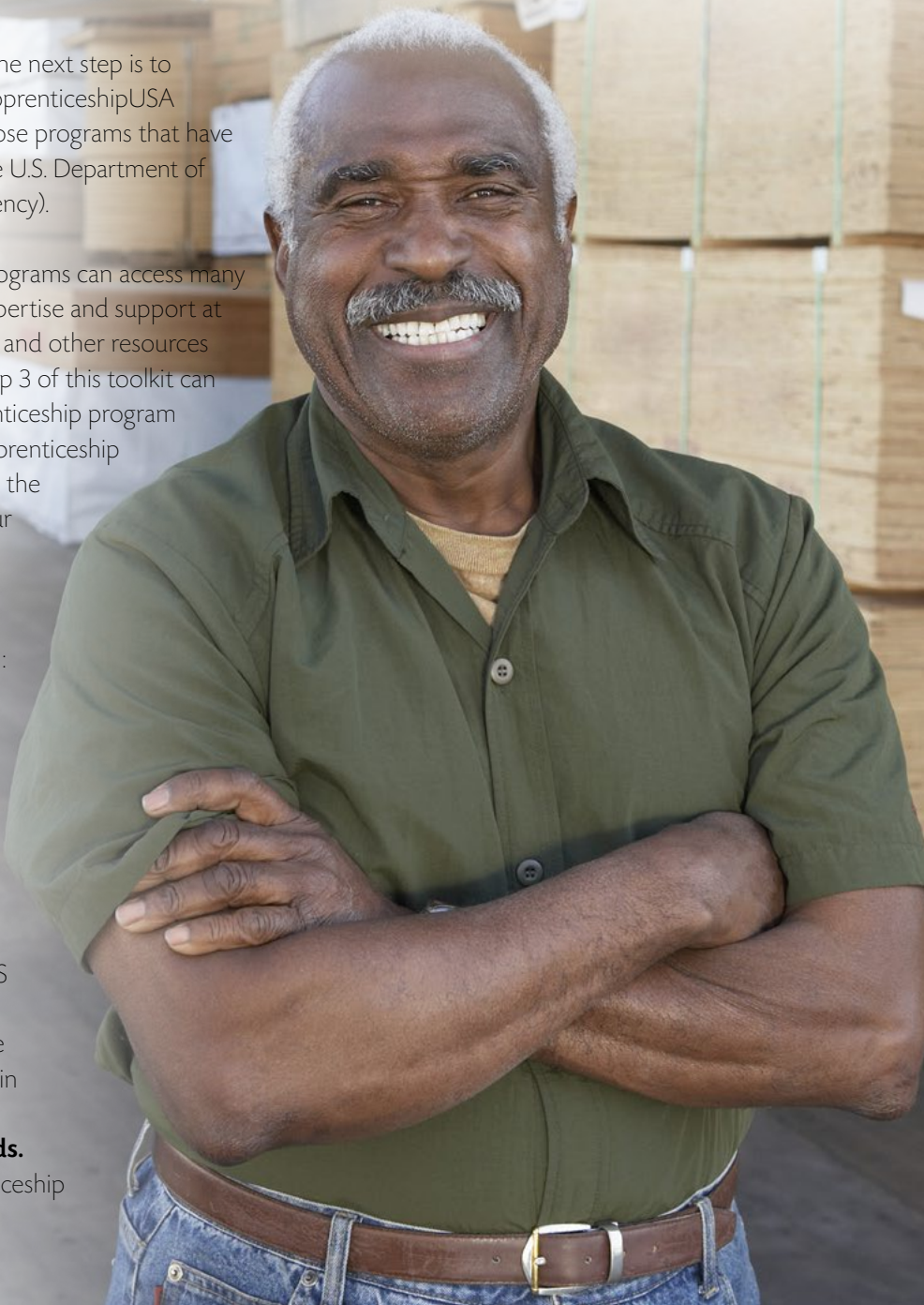
## 4 Register your program to join the ApprenticeshipUSA network.

Now that you have built your apprenticeship, the next step is to register the program to become part of the ApprenticeshipUSA network. ApprenticeshipUSA programs are those programs that have met national standards for registration with the U.S. Department of Labor (or an approved State Apprenticeship Agency).

Businesses that register their apprenticeship programs can access many benefits, including a nationwide network of expertise and support at no cost, tax credits in many states, and funding and other resources from federal programs. The information in Step 3 of this toolkit can help you design the key aspects of your apprenticeship program to meet the standards for registration. The apprenticeship office in your state can help guide you through the process of building and formally registering your apprenticeship program.

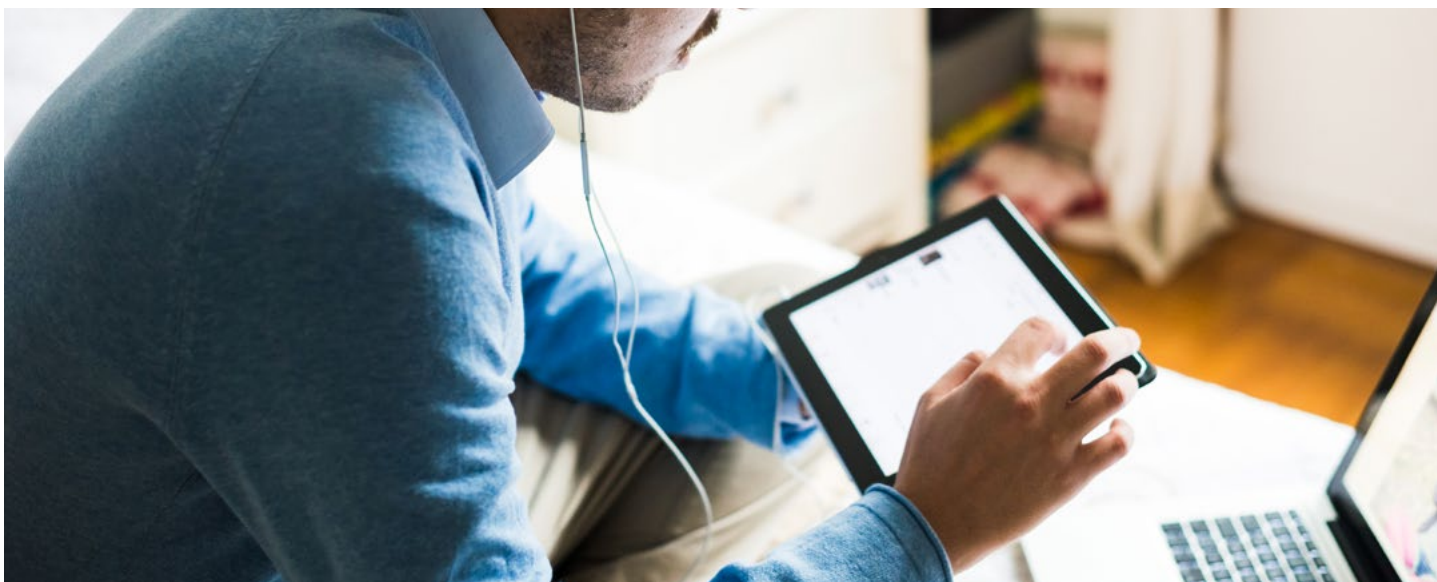
Depending on your needs, there are multiple options for how you can register your program:

- **National Guideline Standards (NGS).** NGS are generally appropriate for organizations with multiple chapters or affiliates across the country. NGS are useful when organizations seek to provide some level of consistency across their affiliates but wish to allow for some ability to customize programs at the local level.
- **National Program Standards (NPS).** NPS are generally appropriate for large national employers that wish to implement the same apprenticeship program across the country in multiple locations.
- **Local Apprenticeship Program Standards.** Local programs are appropriate for apprenticeship programs operating in one state or region.



# Why is it important to register your apprenticeship program?

- **Technical Assistance and Support.** The program joins the ApprenticeshipUSA network, which provides access to a nationwide network of expertise, customer service, and support at no charge.
- **National Credential.** Graduates of Registered Apprenticeship programs receive a national, industry-recognized credential.
- **Quality Standards.** Registration means the program has met national and independent standards for quality and rigor. Registration tells prospective employees, customers and suppliers that you invest in your workforce and that you believe your employees are your most important asset!
- **Tax Credits.** In many states, businesses can qualify for tax credits related to apprenticeship programs. In addition, employers may be able to claim some expenses for training as a federal tax credit.
- **Federal Resources.** Businesses and apprentices can access funding and other resources from many federal programs to help support their Registered Apprenticeship programs.



## Quality Education



Cecil Levy III is an Electrician Apprentice at the Hoover Dam in Nevada. Cecil, an 8-year veteran of the U.S. Air Force as well as a 3-year civilian Electrical Systems Specialist at Edwards Air Force Base in California, welcomed the opportunity that a Power System Electrician Apprenticeship afforded him and his family. Cecil's apprenticeship provides him with a quality education, a paycheck while he trains, hands-on experience, and a chance to work with experts in the power generation industry at the Bureau of Reclamation's world famous Hoover Dam. Cecil was also able to tap into his GI Bill Benefits he earned

in the military as an apprentice at the Hoover Dam. [Read more stories about veterans and Registered Apprenticeship](#)

# What federal resources are available to support Registered Apprenticeship programs?

- Over \$1 billion for employment and training services is available through Workforce Innovation and Opportunity Act programs across the country. These programs can provide training funds to support on-the-job training and related instruction, as well as provide supportive services to help apprentices.
- Apprentices may be eligible for Federal Financial Aid under certain circumstances. If the apprenticeship is connected to a school's program of study, then apprentices may be eligible for Pell Grants, \$3,000 on average per apprentice, and the school may choose to provide federal work-study grants, \$2,000 on average per apprentice.
- By becoming approved for the GI Bill, Registered Apprenticeship programs can assist their current and future Veteran apprentices with the benefits they've earned. Veterans who qualify for the GI Bill can receive a monthly stipend (paid by the Veteran Affairs), in addition to the wages they receive in an apprenticeship. Registered Apprenticeship program sponsors can be certified under the GI Bill usually within 30 days.



For more information on federal resources that may be available to support your Registered Apprenticeship program, visit [www.doleta.gov/oa/federalresources/playbook.pdf](http://www.doleta.gov/oa/federalresources/playbook.pdf)



**For more information on the benefits of registration and how to register..**

- » Remember to contact your [state apprenticeship representative](#) for help with the registration process
- » Review the list of [state tax credits](#) available to businesses that sponsor apprenticeship programs
- » Access [boilerplate documents](#) to help with the registration process
- » Review the [AMP Playbook](#) for Setting up a Registered Apprenticeship Program
- » Apprenticeship Electronic Standards Builder (Coming in 2015!)

# Launch.

## 5 Launch your new Registered Apprenticeship program.

With the program registered, you are now ready to move forward to launch your apprenticeship program. The partnerships formed as you were exploring the possibilities of Registered Apprenticeship are as critical now – partner collaboration is essential to successfully launching and sustaining your apprenticeship program!

### **Apprenticeship in the Advanced Manufacturing industry...**

“With our [Registered Apprenticeship] program partners, Hypertherm has to-date educated and apprenticed over 450 CNC machine operators in our past 7 years, allowing us to meet and exceed our customers’ expectations while keeping our manufacturing facilities within the United States.”

- Matthew Burge, leader of the Hypertherm Technical Training Institute

- **Conduct marketing and outreach** for your apprenticeship program to build its image, attract high quality candidates, and reach community stakeholders that are not part of your core partnership.
- **Recruit candidates for the program**, screen for any minimum skills required, hire apprentices, and register your apprentices.
- **Keep in contact with your state apprenticeship office.** Your apprenticeship representative is an important resource, who will be there to provide ongoing support and technical assistance when you need help.
- **Begin training apprentices.** With these key pieces in place, you are ready to start training your apprentices. As the program continues, track your apprentices' progress as they advance through the apprenticeship and increase their skills.
- **Assess and Continuously Improve.** It's your apprenticeship program! Continue to assess its performance and continuously improve to meet your changing needs.
- **Share your Success.** Share your best practices and tell your story. Apprenticeship benefits when employers and others tell their apprenticeship story. New employers can follow your path when you highlight your success. Tell us about media coverage of your apprenticeship program or post a resource on line at the Registered Apprenticeship Community of Practice.

Take one step at a time and before you know it your Registered Apprenticeship program will be up and running. Apprenticeships are win-win for businesses, for workers, and for the community!



### For more resources to help you launch your Registered Apprenticeship Program...

- » Visit the [Registered Apprenticeship Community of Practice](#)
- » Visit the Registered Apprenticeship Community of Practice – Read about other [successfully launched Registered Apprenticeship programs](#).

We look forward to working with you to develop your program today. The U.S. Department of Labor's Registered Apprenticeship team will help you create business solutions and help you achieve the workforce results that you seek. For more information on Registered Apprenticeship and how it can benefit your company, please visit [www.dol.gov/apprenticeship](http://www.dol.gov/apprenticeship) or call (202) 693-2796 – or contact the [apprenticeship office in your state](#).



[www.dol.gov/apprenticeship](http://www.dol.gov/apprenticeship)  
<https://21stcenturyapprenticeship.workforce3one.org/page/home>

# The Federal Resources Playbook for Registered Apprenticeship



EMPLOYMENT AND TRAINING ADMINISTRATION  
UNITED STATES DEPARTMENT OF LABOR



Acknowledgments: A special thanks to the following federal agencies who assisted in the production of this guide: U.S. Department of Education, U.S. Department of Labor, U.S. Department of Veterans Affairs, U.S. Department of Agriculture, U.S. Department of Transportation, and U.S. Department of Housing and Urban Development.

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# Introduction

Registered Apprenticeships represent a valuable investment in the skills that can put a worker on a proven path to the middleclass and get the job done for employers and businesses looking to grow and expand.

**Federal workforce and education funds can help many businesses undertake new investments in apprenticeship, encourage more employers to provide high skilled training opportunities for apprentices, and assist educators and intermediaries in strengthening the tie between training and employment through apprenticeship.**

This quick guide provides information for companies, employers, labor, apprenticeship sponsors, educators, workforce professionals, intermediaries and community-based organizations on using the following Federal funds and resources to support registered apprenticeship:

- |   |                                                                                                                                                |   |                                                                                                                                 |
|---|------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------|
| 1 | U.S. Department of Education: Federal Student Aid Funds, Title IV Student Aid including Pell Grants and Federal Work Study                     | 4 | U.S. Department of Agriculture: Supplemental Nutrition Assistance Program Education and Training Funds                          |
| 2 | U.S. Department of Labor: Federal Workforce Development Funds, including Workforce Investment Act and Workforce Innovation and Opportunity Act | 5 | U.S. Department of Transportation: Federal Highway Administration On-the-Job Training and Supportive Services Program           |
| 3 | U.S. Department of Veterans Affairs: GI Bill® and Veterans Affairs Educational Assistance                                                      | 6 | U.S. Department of Housing and Urban Development: Section 3 Covered Housing and Urban Development Financial Assistance Programs |

If you are:

- A company or an employer hoping to make starting or expanding an apprenticeship more affordable
- A college or training provider looking to strengthen partnerships or to build new partnerships with employers in your area
- A state or local workforce system looking to expand apprenticeships in your area and increase the number of workers on a path to the middleclass
- A community-based organization or nonprofit intermediary looking for resources to assist workers in entering and excelling in an apprenticeship

**This guide is for you!**





U.S. Department of Education:

# **Federal Student Aid Funds, Title IV Student Aid including Pell Grants and Federal Work Study**

Recognizing the value of Registered Apprenticeships – which tie higher education and technical instruction directly to on-the-job training and employment – the Administration is issuing new guidance to the postsecondary education community on the various ways that colleges and universities can use federal student aid to support the creation and development of apprenticeship training programs, including by assisting with the costs of tuition and wages.

## **Overview**

The Federal Student Aid (FSA) office in the U.S. Department of Education provides billions of dollars each year in Federal grants and work-study funds that can be used to help workers pursue higher education through an apprenticeship.

These uses include:

- Apprentices who qualify for Federal Pell Grants can receive funding to cover all or most of the cost of tuition and fees, and books and supplies for the students' enrollment in the technical instruction portion of an apprenticeship if part of an eligible academic program.
- Institutions can use Federal Work Study (FWS) funds to pay a portion of the training wages of eligible students who are apprentices while they are enrolled in eligible certificate or degree programs.
- Institutions can leverage their FWS funds, individually or as part of a group of institutions, to create a Job Location and Development (JLD) program to help identify and support employers in creating apprenticeships for enrolled students.

Employers and apprenticeship sponsors should work with their local higher education institutions, including colleges and community colleges, on aligning their apprenticeship programs with these sources of Federal Student Aid and helping student-apprentices assess the amount of Federal Student Aid for which they qualify.

## Program Eligibility

### Providing federal student aid to student-apprentices to meet the educational and training expenses of the student

- ◆ To be eligible to receive a Federal Pell Grant and other forms of federal student aid, the student-apprentice must be enrolled in an eligible (credit-bearing) certificate or degree program at a participating postsecondary educational institution.
- ◆ For students similar to many apprentices, the average Pell award is \$3,400 and the average Federal Work Study award is close to \$2,000.
- ◆ Federal student aid funding is used to meet some or all of the student's costs for tuition and fees, and any related equipment or supplies for enrollment in the eligible apprenticeship aligned academic program.
- ◆ Federal Work Study (FWS) to fund training wages of student-apprentices. To be eligible for a student-apprentice to have a portion of the training wages paid out of the FWS Program, the student must be enrolled in an eligible certificate or degree program at a participating postsecondary educational institution and demonstrate financial need.
- ◆ The amount of FWS funding a student-apprentice qualifies for is determined by the student's institution under Federal guidelines, based on the student's financial need, enrollment status, and cost of attendance.

### Creating a Job Location and Development (JLD) Program to support the creation or expansion of apprenticeship with FWS funds

- ◆ Institutions can use a portion of their FWS funding received from the Federal government, either individually or as part of a group of institutions, to create a Job Location and Development (JLD) program for the development of job opportunities for their enrolled students, including student-apprenticeships.
- ◆ When using FWS funds to establish or expand a JLD program to locate apprenticeships for enrolled students, an individual institution may use up to the lesser of \$75,000 or 10 percent of its total FWS allocation. Multiple institutions can come together to use their FWS funds to create a joint JLD program.
- ◆ Institutions may not use JLD Program funds to pay for the wages of students or to locate jobs for students after their graduation.

## Innovative Use of Federal Funds to Support Apprenticeship

**South Carolina Technical College System.** South Carolina's *Apprenticeship Carolina* and the financial aid office at its technical colleges work with dozens of employers statewide to design apprenticeship programs where the technical training component is aligned with academic coursework provided by the college. By having the technical colleges provide the related supplemental instruction for apprenticeship programs within their certificate and degree programs, the students are eligible for Federal Student Aid for the college provided coursework.

Qualifying apprentices enrolled in these programs are able to use federal student aid to help pay for tuition, fees and supplies at their technical college, minimizing the student's out-of-pocket expenses and helping more small businesses afford to offer apprenticeships. South Carolina's technical colleges have also leveraged Department of Labor Workforce Investment Act (WIA) funds and state funding from the Lottery Tuition Assistance Program (LTAP) to further offset the costs of college courses for apprentices.

## Resources

Interested postsecondary institutions, training providers, employers, and individuals can find more detailed information and instructions using the following resources:

- ◆ Overview of institutional eligibility requirements to participate in Title IV federal student aid programs:  
<http://www.ifap.ed.gov/fsahandbook/attachments/1415FSAHbkVol2Ch1.pdf>
- ◆ Overview of program eligibility requirements for federal student aid:  
<http://www.ifap.ed.gov/fsahandbook/attachments/1415FSAHbkVol2Ch2.pdf>
- ◆ Overview of student eligibility requirements to receive federal student aid:  
<http://www.ifap.ed.gov/fsahandbook/attachments/1415Vol1Master.pdf>
- ◆ Overview of requirements for institutions participating in the FWS Program, including JLD Programs:  
<http://www.ifap.ed.gov/fsahandbook/attachments/1415FSAHandbookVol6Ch2.pdf>
- ◆ For general information about the federal student aid programs, please visit <https://studentaid.ed.gov/> or visit the Information for Financial Aid Professionals website at <http://www.ifap.ed.gov/ifap/>.



## 2

U.S. Department of Labor:

# Federal Workforce Funds for Registered Apprenticeship:

The Workforce Investment Act and the Workforce Innovation and Opportunity Act

## Overview

Federal workforce development funds can be used to encourage more employers to invest in Registered Apprenticeships (RA), and to prepare and support workers in RA. While workforce development funds are limited, employers and RA programs are eligible to receive these funds. Actual funding decisions are made at the state and local levels.

Today, the Workforce Investment Act (WIA) encourages the workforce system to work with employers to use apprenticeships to put workers on a path to a high-skill, middleclass career.

Workforce system resources that can be used to support Registered Apprenticeships include:

- **Assistance with training and tuition costs.** Individual Training Accounts (ITAs) can cover the amount allowable in a local workforce investment area of job-related instruction costs (i.e., classroom instruction, distance/online learning, etc.) for eligible dislocated workers or employed workers determined to be in need of training according to their local American Job Center's procedures. Similarly, Customized Training Contracts between local Workforce Investment Boards or American Job Centers and employers can pay for apprenticeship instructional costs.
- **Support for training expenses.** On-the-Job-Training Contracts can reimburse employers up to 50 percent of wage rates paid to participants for up to six months. For the average Registered Apprenticeship, this could mean up to \$8,580 for most employers, in reimbursement for extraordinary training costs.<sup>1</sup>
- **Coverage for supervision and extraordinary training costs.** On-the-Job-Training Contracts can also cover a portion of the supervision and extraordinary training costs associated with overseeing a new apprentice, equivalent to 50 percent of the apprentice's wage rate.
- **Provision of additional recruiting, placement, and support services.** The workforce system can also cover a range of supportive services – including pre-apprenticeship training, assistance in recruiting and placing apprentices, and tools, books, and other individual supplies for apprentices.

<sup>1</sup> Reimbursement rates based on DOL national data for average apprentice wages \$16.50 per hour calculated at 40 working hours per week for 6 months.

And, starting in 2015, the Workforce Innovation and Opportunity Act (WIOA) will deepen the connection between Registered Apprenticeships and Federal workforce development resources:

- **Higher reimbursement for on-the-job training expenses.** On-the-Job-Training contracts can be developed to cover the employer's extraordinary costs of training. WIOA will pay for a maximum employee wage rate that will increase from 50 percent today up to 75 percent<sup>2</sup> of wages for up to six months to cover employer's extraordinary training costs. Businesses will be able to hire more apprentices and train them for higher-wage occupations at a significantly reduced cost.
- **Automatic eligibility for Registered Apprenticeship sponsors.** All Registered Apprenticeship programs that request to be included on the Eligible Training Provider List will automatically be eligible to receive Federal workforce funding as pre-approved training providers for the workforce system.
- **Increased flexibility for up-skilling incumbent workers, which may be leveraged by Registered Apprenticeship.** WIOA permits local workforce investment areas to use a small percentage of their funds for incumbent worker training. Employers operating Registered Apprenticeship programs can leverage these dollars to help train their current workers.

## Program Eligibility



**WIA may be utilized to pay for training apprentices. An organization may be eligible for funding under WIA, including:**

- ◆ Incumbent Worker Training (to pay for training/instruction of current apprentices);
- ◆ Customized Training (for eligible instruction costs);
- ◆ On-the-Job Training (OJT) contracts (to pay for employer's extraordinary costs of training);
- ◆ Individual Training Accounts (to pay for training/instruction of new apprentices).

**Under WIA, a Registered Apprenticeship program seeking funds to support participants must apply to be on the Eligible Training Provider List (ETPL).**

Today, to become an eligible training provider, Registered Apprenticeships can apply with the local workforce investment board in their local area. When WIOA goes into effect during the course of 2015, all Registered Apprenticeship programs that request to be included will be automatically on the ETPL, and have an opportunity to use WIOA funding to support their apprenticeships.

- ◆ Any funding amount is determined by the local workforce area One-Stop Career Center (American Job Center) or Workforce Investment Board.
- ◆ Contact your local American Job Center for more details on availability of funding to support your Registered Apprenticeship program and to find the talent your organization needs. <http://jobcenter.usa.gov/>

<sup>2</sup> WIOA allows up to 75 percent wage rate reimbursement rate, but is not guaranteed across all local workforce areas.

## For local workforce system entities – including Workforce Investment Boards and American Job Centers – Registered Apprenticeship programs can help meet important workforce system performance metrics.

Registered Apprenticeship (RA) is a proven model to help job seekers immediately start working and increase their skills and earnings. RA is an effective strategy for connecting with businesses in diverse fields and meeting their workforce needs. In addition to successfully meeting the needs of employers and job seekers — partnerships with Registered Apprenticeship programs can positively impact workforce system outcomes across many key measures.

- ◆ **Employment** – Registered Apprenticeship is a job, so job seekers enter employment when they begin an apprenticeship program.
- ◆ **Retention** – Registered Apprenticeship programs have high retention rates. 91 percent of apprentices retain employment after the program ends.
- ◆ **Earnings** – Average starting wages for Registered Apprentices are \$16.50 per hour. Graduates earn an average of \$59,900 per year.<sup>3</sup>
- ◆ **Credential Attainment** – All Registered Apprentices earn a national, industry-recognized credential upon completion.

Please see the **Section for Workforce Professionals** for examples of how registered apprenticeship can strengthen workforce system performance.



## Innovative Use of Federal Funds to Support Apprenticeship

**Vermont HITECH (Vermont and New Hampshire)** has placed more than 1,200 workers in apprenticeships with companies in healthcare, information technology, and advanced manufacturing. Vermont HITECH provides a front-loaded apprenticeship (for business such as GE Healthcare, Dealer.com, and Dartmouth-Hitchcock Health System) where the classroom training is provided in the ten weeks before the workers join the company as full-time apprentices. Vermont HITECH utilizes WIA funding to pay for on-the-job training contracts and support services for program participants during their education and apprenticeship. As a result, the companies that partner with Vermont HITECH and WIA spend little or no extra money to get apprentices that meet their expectations on the job.

For more information see: [Center for American Progress Report on Innovative Apprenticeships](#)

**The Michigan Workforce Development Agency, the State Office of Apprenticeship and the City of Detroit Workforce Investment Board** established the Detroit Registered Apprenticeship Program, known as D-RAP, in 2012. D-RAP recruits and prepares Detroit residents with marketable skills leading to quality employment opportunities. Qualified participants attend a 60-hour pre-apprenticeship and soft skills training program that provides a \$10 an hour stipend. Once this program is completed, participants are eligible to enroll in Registered Apprenticeship (RA) programs with participating employers such as CVS, United Autoworkers, and Hart & Associates. For each Detroit resident placed

<sup>3</sup> Department of Labor FY 2013 Registered Apprenticeship data.

into an RA program, the state and local workforce agencies provide the apprenticeship sponsor with \$5,000 to use for classroom training and tools. Planning and close coordination across partners have been key to this new program's success. As of June 2014, more than 100 Detroit residents had entered RA programs.

For more information see: [Information on the D-RAP program](#)

**Once the state of South Carolina** identified RA as an important strategy for building a skilled workforce, the state began taking significant steps to support apprenticeship. For local workforce systems to be eligible to receive WIA incentive funds, the State Workforce Investment Board (WIB) required that they include RA among their training strategies. Additionally, the WIB has made statewide WIA funds available for competitive local grants to support RA. This collaborative approach continues to be very successful for South Carolina's businesses and workforce.

For more information see: the [Training and Employment Notice](#) and [NPR story on South Carolina apprenticeships](#)

**The South Central Kansas WIB** places RA sponsors on the Eligible Training Provider List by request. The WIB has embraced RA as a valuable strategy to provide businesses with the trained workforce they need. WIA funds may cover an RA participant's support services. When wages are reported by the sponsor for the individual, the WIB receives placement credit for its services. The local WIB also demonstrates its strong support for RA through the American Job Center's business team, which works with RA sponsors to help them find and screen potential apprenticeship candidates. Additionally, regional RA staff are housed in the center.

For more information see: [Training and Employment Notice](#)

## Workforce Professionals

### Using Federal Workforce Funding to Support Participants in Registered Apprenticeship

Apprenticeships are a proven training strategy that helps businesses thrive by creating highly skilled, productive employees – and helps workers start new careers that offer higher wages.

In addition, by connecting workers and employers through a proven training strategy, apprenticeship can strengthen local workforce systems overall – significantly increasing performance on critical metrics like employment, retention, and wage growth.

The following illustrations are just a few examples of how Registered Apprenticeship can help improve workforce system performance outcomes (see [Training and Employment Guidance Letter 2-07](#) and [Training and Employment Notice 44-11](#) for further discussion).

For example – a Workforce Investment Board or American Job Center could provide services leading to placement in a Registered Apprenticeship Program

- ◆ A WIA participant could receive any combination of core, intensive, pre-apprenticeship, training, and support services leading to placement in a Registered Apprenticeship.
- ◆ Upon entering the Registered Apprenticeship program, the individual could be exited and counted as a positive placement for the Entered Employment Rate.

Or – a Workforce Investment Board or American Job Center could provide continuing services after placement in a Registered Apprenticeship program.

- ◆ Once placed into a Registered Apprenticeship, grantees may continue to help aid the individual through support services or covering the costs of classroom training.
- ◆ Grantees may also incentivize a Registered Apprenticeship employer/sponsor's participation to hire dislocated workers by reimbursing the employer/sponsor for a portion of the OJT, per WIA guidelines. The length of the OJT contract will not cover the entire apprenticeship duration; however, they do help offset the initial extraordinary costs.
- ◆ Once the WIA/WIOA-funded services (OJT, supportive, classroom, etc.) have ended, the individual would be exited and counted as a positive placement for the Entered Employment Rate. Only credentials that are earned by an apprentice while they are enrolled in the WIA/WIOA should be tracked. "Where tracking of earned credentials is required, the workforce system [WIA/WIOA grantees] should track the interim credential earned by the apprentice while co-enrolled." (TEGL 02-07).

*NOTE:* An individual that is already enrolled in a Registered Apprenticeship PRIOR TO being determined eligible by the WIA/WIOA would be considered an incumbent worker and would not meet the dislocated worker participant eligibility requirement.



## Resources

Interested higher education institutions, training providers, employers, and individuals can find more detailed information and instructions:

- American Job Centers (One-Stop Career Centers): <http://jobcenter.usa.gov/>
- WIA and Registered Apprenticeship Guidance: [http://wdr.doleta.gov/directives/corr\\_doc.cfm?docn=2491](http://wdr.doleta.gov/directives/corr_doc.cfm?docn=2491)
- WIOA resource page: [www.doleta.gov/wioa](http://www.doleta.gov/wioa)
- WIA and Registered Apprenticeship Webinars:  
Part 1: <https://www.workforce3one.org/view/5001423143986500443/info>  
Part 2: <https://www.workforce3one.org/view/5001422640210900510/info>
- [Workforce System and Registered Apprenticeship Partners Overview Resource](#)

Or contact the **Registered Apprenticeship Specialists** at (202) 693-2700 or find more information at [www.dol.gov/apprenticeship](http://www.dol.gov/apprenticeship)



## 3

## U.S. Department of Veterans Affairs: GI Bill® and Veterans Programs in Registered Apprenticeship

Did you know that Veterans have the opportunity to “earn and learn” in a Registered Apprenticeship, and may receive their GI Bill® Educational Benefits?

### Overview

Companies that want to hire Veterans can provide an added incentive to attract skilled veterans as Registered Apprentices. By becoming “Approved for GI Bill®”, Registered Apprenticeship programs can assist their current and future Veteran apprentices with the benefits they’ve earned. Veterans who have existing benefits under the GI Bill®, may qualify for a monthly stipend (paid by the Department of Veterans Affairs (VA)), in addition to their wages they receive in an apprenticeship, to help them meet their monthly expenses.

- **Incentive to Hire Veterans.** Companies hiring Veterans can help provide them with the GI Bill® as an added incentive to attract the veterans they seek in a Registered Apprenticeship. The benefit could add as much as \$16,000<sup>4</sup> to your veteran’s income paid by the VA in the first year of their apprenticeship.
- **Certification.** You can ensure that your organization can be certified by the VA to provide GI Bill® benefits to future Veterans you hire in your Registered Apprenticeship program. Office of Apprenticeship representatives can help you get started when you register your apprenticeship program.
- **What the GI Bill® Offers.** Veterans using the GI Bill® entitlement for formal classroom instruction may receive a percentage of tuition and fee payments (paid directly to the school on the Veteran’s behalf) while participating in an employer’s apprenticeship. Veterans participating in a VA approved apprenticeship program that does not align with a college credential may use their GI Bill® entitlement to receive a Monthly Housing Allowance (MHA) and Books & Supplies Stipend.
- **Tuition and fee payments for classroom instruction.** A Veteran apprentice enrolled in credit-bearing classroom instruction at a higher education institution as part of their apprenticeship may elect to use their GI Bill® benefits to pay a percentage of tuition and fees (i.e., all tuition and fee payments for an in-State student or up to \$20,235.02 per year for a private/foreign institution for a maximum of 48 months). The GI Bill® benefits will be paid directly to the school on the Veteran’s behalf.
- **Monthly Housing Allowance for living expenses.** A Veteran apprentice can use their GI Bill® benefit and receive a tax-free stipend of up to \$1,509 (\$750.50 for online instruction) while participating in a Registered Apprenticeship program. The Post-9/11 GI Bill® stipend is the equivalent of the MHA of an E-5 with dependents, which is paid in addition to the employer paid wage. Recipients receive 100 percent of the

<sup>4</sup> Based on \$1509 for first 6 months and following the GI Bill® guidelines for MHA for Registered Apprenticeship.

applicable MHA during the first six months of training. The stipend is reduced 20 percent every six months thereafter as the Veteran's wages regularly increase until the Veteran has attained journeyman status and pay. For all other GI Bill® programs, the payment rates are as follows:

- ◆ 75 percent of the full-time GI Bill® rate for the first six months of training
  - ◆ 55 percent of the full-time GI Bill® rate for the second six months of training
  - ◆ 35 percent of the full-time GI Bill® rate for the remainder of the training program
- **Book and Supplies Stipend.** Post-9/11 GI Bill® recipients may receive up to \$83 per month for books and supplies in addition to their VA housing stipend.



## Program Eligibility

Registered Apprenticeship program sponsors (and employers) are provided a streamlined process for being certified under the GI Bill® – typically within 30 days. Upon approval, Registered Apprenticeship sponsors are encouraged to promote their apprenticeships as Approved for the GI Bill® – to inform Veterans about their eligibility for benefits as an apprentice with their organization. [About the Streamlined Process for Approval](#)

## Innovative use of Federal Funds to Support Apprenticeship

**Blackstone and its portfolio company, Hilton Worldwide** have partnered with Kendall College to offer a unique opportunity for Veterans to receive necessary education and experience that can lead to a meaningful career in hospitality management. This educational program offers enrollment in courses at Kendall College's School of Hospitality Management, the cost of which can be covered by GI Bill® funds, and a competency-based apprenticeship at a Hilton Worldwide property. Students who successfully complete the necessary coursework and apprenticeship will receive a Department of Labor Certification of Completion, college credit toward a degree, and experience that positions them to transition into full-time employment with Hilton or other hospitality companies.

Additional information about the Blackstone Hilton Apprenticeship is located here: [Blackstone Hilton Apprenticeship Program](#)

## Other VA Services

**Vocational Rehabilitation & Employment (VR&E) Apprenticeships.** The Vocational Rehabilitation and Employment (VR&E) program helps Servicemembers and Veterans with service-connected disabilities and an employment handicap prepare for, find, and maintain suitable careers. Beneficiaries of the VR&E program may receive vocational rehabilitation and employment services that can help with job training, workplace accommodations, and employment placement services, such as resume development, interview coaching, and direct job development. In addition, the VR&E program may support an on-the-job training (OJT), Special Employer Incentive (SEI), or Non-Paid Work Experience (NPWE) Program for an entitled Veteran. Additional information about the VR&E program is located here: [http://www.vba.va.gov/bln/vre/emp\\_resources.htm](http://www.vba.va.gov/bln/vre/emp_resources.htm)

- ◆ **Special Employer Incentive (SEI).** Under the SEI program, employers hiring Veterans approved for VR&E services may receive a reimbursement of up to 50 percent of the Veterans' salary for six months. Reimbursements help employers offset costs associated with a loss of production, training instruction, and training materials.
- ◆ **VR&E Program.** VA's VR&E program provides subsistence payments to eligible Veterans when they participate in an approved Registered Apprenticeship program. Veterans who participate in an approved program may be eligible to have all books, fees, and supplies, to include tools required by the training organization, paid for, or procured by VA's VR&E program.

## Resources

Interested higher education institutions, training providers, employers, and individuals can find more detail information and instructions:

- **Guide for Registered Apprenticeship Employers.** Employers looking to help their Veteran apprentices qualify to receive their GI Bill® benefits can find a step-by-step guide for approval: [Benefits for Veterans in Registered Apprenticeship](#).  
Already a Registered Apprenticeship Program? Find your quick start guide for GI Bill® approval here: [Quick Start Guide](#)
- **GI Bill® Information.** Further GI Bill® information can be found at VA's home for all information related to the GI Bill® at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill).
- **GI Bill® Comparison Tool.** VA released an updated version of the GI Bill® Comparison Tool. This tool provides a personalized estimate of Post-9/11 GI Bill® tuition and fees, housing, and book stipend payments to the student. In addition, the tool displays school level complaint data compiled from the GI Bill® Feedback System, an improved search capability to search for schools and employers, the ability to compare benefits of multiple GI Bill® programs and information for over 30,000 approved programs, including apprenticeships. [Comparison Tool](#)
- **Veterans Employment Center.** A key resource to support successful Veteran employment is the Veterans Employment Center on eBenefits ([www.ebenefits.va.gov/jobs](http://www.ebenefits.va.gov/jobs)). The First Lady and Dr. Biden announced the VEC as the first government-wide product providing job seekers the tools to translate military skills into plain language and build a profile that can be shared instantly with public and private employers offering real internships, OJT, apprenticeships, and job opportunities. Currently, there are over 1.7 million jobs listed on the VEC, and hundreds of employers have made commitments to fill more than 170,000 positions throughout the country with Veterans, transitioning Servicemembers, Guard and Reserve members, and their families.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. The absence of the registration symbol ® does not constitute a waiver of VA's trademark rights in that phrase.





## 4

U.S. Department of Agriculture:

# Supplemental Nutrition Assistance Program – Employment and Training Programs

## Overview

State agencies administering Supplemental Nutrition Assistance Program (SNAP) (i.e., food stamps) receive Federal funding for employment and training (E&T) programs that help SNAP recipients gain skills, training, work, or experience that will lead to employment. Community-based organizations, apprenticeship sponsors, community colleges, training providers and educators, and employers can partner with their state SNAP agencies to provide Registered Apprenticeships and pre-apprenticeships as part of a state's SNAP E&T plan.

- State agencies receive an annual grant between \$50,000 and \$10 million for SNAP E&T programs, depending on the size of their SNAP population subject to work requirements. In addition, U.S. Department of Agriculture (USDA) reimburses 50 percent of the additional State agency costs that are over and above its Federal E&T grant. USDA also reimburses 50 percent of State agency costs for dependent care, transportation, and other participant expenses.
- State agencies have a great deal of flexibility in designing SNAP E&T programs, which can include pre-apprenticeships and Registered Apprenticeships. E&T programs may include also: job search and job search training programs, workfare and work experience, education programs, self-employment training programs, and job retention services.
- In FY 2013, more than \$300 million in Federal funds went to States for [SNAP E&T services](#).

In addition, the 2014 Farm Bill provided \$200 million for innovative SNAP E&T pilots. States applying for these pilots are encouraged to include pre-apprenticeship and apprenticeship training programs in their pilot designs. More information about the SNAP E&T pilots can be found here: [SNAP E&T Pilots](#)

## Program Eligibility

- **Use of Funds.** With regard to pre-apprenticeship and apprenticeship activities, SNAP E&T funds may be used to pay for training and education expenses, participant reimbursements for dependent care, transportation and other expenses directly related to participation in a pre-apprenticeship or apprenticeship program, and for case management.
- **Eligibility.** To be eligible for funding, activities must be included in the State's SNAP E&T plan. States submit SNAP E&T plans by August 15 and plans are effective October 1 through September 30 of each Federal fiscal year. State agencies may amend their E&T plan at any point during the fiscal year.
- **Awards.** The award amount is determined by a formula allocation of the 100 percent grant, based on the size of the SNAP population in each State subject to work requirements. USDA approves the 50 percent reimbursement of State or local spending beyond the 100 percent grant for additional administrative expenses and for participant reimbursements through the State's E&T plan.
- **Limits on Funding.** There is no ceiling on the availability of these reimbursement funds and USDA does not set limits on the amount of participant expenses. However, States may establish their own limits, such as \$50 per month for transportation reimbursements. All participant reimbursements must be reasonably necessary and directly related to participation in a SNAP E&T program.
- **Eligible Participants.** The award must be used on individuals receiving SNAP benefits. Some SNAP household members must participate as a condition of eligibility for SNAP, while others may volunteer for SNAP E&T services.

## Innovative Use of Federal Funds to Support Apprenticeship

### Connecticut's partnership with community colleges and non-profit organizations:

The Connecticut Department of Social Services collaborates with community colleges and non-profit organizations to provide short-term vocational training programs leading to full-time employment or continued training in programs like Registered Apprenticeship. Programs include: Certified Nursing Assistant, Emergency Medical Technician, Certified Pharmacy Technician, Medical Billing and Coding, Massage Therapy, Culinary Arts, Safe Food Handling, Water and Waste Management, Precision Manufacturing, and other in-demand or emerging occupations. Partners may provide case management, support services, and job placement to SNAP E&T participants. In this partnership, the colleges and organizations are able to use local funding for the State's share of E&T funding and are reimbursed with 50 percent Federal funds. For more information, please see:

<http://www.ct.gov/dss/cwp/view.asp?a=2353&q=531148>

**Wisconsin's partnership with community based organizations:** The Dane County Department of Human Services and the Urban League of Greater Madison partner to provide a range of short-term, industry-specific training and coaching services for low-income households, including SNAP recipients. Industry-specific trainings include the Customer Services and Sales Academy, the Health Care Administrative Training Academy, the IT Career Academy, and the Foundations for the Trades Academy. The Urban League is able to leverage foundation support and local funding to put up the State's share of funding for these programs and is reimbursed with 50 percent Federal funds. For more information, please see: <http://www.ulgm.org/work>



## Resources

Interested higher education institutions, training providers, employers, and individuals can find more detailed information and instructions:

- The Employment and Training Resource Center includes links to State training programs, including SNAP E&T programs:  
<http://www.fns.usda.gov/employment-and-training-et-resource-center>
- The E&T Toolkit provides an overview of the SNAP E&T program and guidance for innovative SNAP E&T programs and partnerships:  
[http://www.fns.usda.gov/sites/default/files/ET\\_Toolkit\\_2013.pdf](http://www.fns.usda.gov/sites/default/files/ET_Toolkit_2013.pdf)
- The E&T Plan Handbook outlines the requirements for a State E&T plan:  
<http://www.fns.usda.gov/sites/default/files/handbook-2003.pdf>

Or contact the following program specialists **Moira Johnston** at [moira.johnston@fns.usda.gov](mailto:moira.johnston@fns.usda.gov) and **Jackie Windfeldt** at [jackie.windfeldt@fns.usda.gov](mailto:jackie.windfeldt@fns.usda.gov) or visit <http://www.fns.usda.gov/>.



## 5

U.S. Department of Transportation:

**Federal Highway Administration**

On-the-Job Training and Supportive Services Program

**Overview**

The Federal Highway Administration (FHWA) On-the-Job Training and Supportive Services (OJT/SS) Program requires State Transportation Agencies (STAs) to establish apprenticeship and training programs to prepare women, minorities, and disadvantaged individuals for journey-level positions. The program is intended to ensure that a skilled workforce is available to meet highway construction hiring needs, and to address the historical under-representation of these groups in highway construction skilled trades. This program is managed by FHWA's Office of Civil Rights.

FHWA provides funding and technical assistance for state OJT/SS program through the following programs:

- **Grant Funding.** The first program provides a maximum of \$10 million in grant funding to states each year for OJT/SS, including Registered Apprenticeship programs, for selected surface transportation projects.
- **Highway Workforce Funding.** The second program is a discretionary program that may be used by State Transportation Directors under SAFETEA-LU. At the discretion of the Secretary of Transportation, States may use up to ½ of 1 percent of their federal apportionment for selected highway transportation programs to fund transportation workforce development, including Registered Apprenticeship programs.
- **Regional Workforce Centers.** In October 2014, FHWA awarded nearly \$5 million in grants to fund five Regional Surface Transportation Workforce Centers. A central focus of these workforce centers is to assist STAs in using the OJT/SS program by developing and supporting workforce programs, including apprenticeship programs, in partnership with community colleges, private industry, community-based organizations, and workforce agencies. They include:
  - ◆ University of Vermont,
  - ◆ University of Memphis,
  - ◆ University of Wisconsin-Madison,
  - ◆ Montana State University, and
  - ◆ California State University-Long Beach.

## Program Eligibility

- Individual OJT/SS programs must be formally approved by STAs. **Registered Apprenticeship programs used by a highway contractor or subcontractor receive automatic approval as an OJT/SS program by the STA.** Programs may also provide supportive services that can include: recruitment, counseling, transportation assistance, basic education, and ongoing training during seasonal work stoppages.
- **OJT/SS programs reimburse 100 percent of on-the-job training and supportive services costs.** Occupations eligible under OJT/SS training programs are construction trades and certain management positions where the training is oriented toward construction applications.

## Innovative Use of Federal Funds to Support Apprenticeship

**Oregon Legislation:** In 2009, Oregon passed legislation requiring their STA to use ½ of 1 percent of eligible FHWA funds for OJT/SS, with a focus on apprenticeship, and is now providing up to \$2.1M per biennium. Oregon's Bureau of Labor and Industries Apprenticeship Section administers the OJT/SS program, and also maintains a database of available workers. The State has seen a steady increase in the diversity within the ranks of registered apprenticeship since the law's enactment.

## Resources

Interested higher education institutions, training providers, employers, and individuals can find more detailed information and instructions:

- The Federal Highway Administration OJT/SS web resource at <https://www.fhwa.dot.gov/civilrights/programs/ojt.cfm>.

Or contact **Michael Caliendo** at [Michael.Caliendo@dot.gov](mailto:Michael.Caliendo@dot.gov) or (208) 334-9180 ext. 131.



## 6

U.S. Department of Housing and  
Urban Development

## Section 3 Covered Housing and Urban Development Financial Assistance Programs

Section 3 is a provision of the Housing and Urban Development (HUD) Act of 1968 that helps foster community economic development and good jobs. The Section 3 program requires that recipients of certain HUD financial assistance, to the greatest extent feasible, provide job training and employment opportunities arising in connection with certain HUD-funded projects and activities to low and very low-income residents of the community where the funds are spent (i.e., Section 3 residents).

### Overview

HUD provides financial assistance to entities (“grantees”) such as Public Housing Authorities (PHAs), local government agencies, multi-family property owners, and non-profit organizations that, in turn, are responsible for awarding contracts to businesses that are owned by, or substantially, employ Section 3 residents (i.e., Section 3 businesses). These Section 3 businesses perform contracted work on the following types of projects: a) public housing operations and maintenance; and b) housing rehabilitation, housing construction, and other public construction projects.

HUD grantees must meet the following minimum targets for Section 3 covered projects:

- At least 30% of the aggregate number of new hires on a project must be Section 3 residents;
- At least 10% of the total dollar amount of all Section 3 covered contracts for building trades work must be awarded to Section 3 businesses; and
- At least 3% of the total dollar amount of Section 3 covered professional service contracts must be awarded to Section 3 businesses.

To meet Section 3 requirements, HUD grantees and their contractors can partner with and recruit workers from pre-apprenticeship programs, such as YouthBuild programs, and participate in Registered Apprenticeship programs that prepare and train Section 3 eligible residents for jobs. HUD and DOL recently issued a [joint letter](#) encouraging HUD funded entities and their contractors to partner with Registered Apprenticeship sponsors and YouthBuild programs in order to meet Section 3 requirements. By employing HUD residents or YouthBuild graduates as apprenticeships, contractors can receive a preference for HUD projects totaling over \$19 billion annually.

## Program Eligibility

- Eligible Section 3 residents must meet at least one of the following criteria: (1) public housing residents; (2) participants in a DOL YouthBuild program; or (3) persons who live in the area where a HUD-assisted project is located and who have a household income that is 80% or below the median income of that area.
- Eligible Section 3 businesses must meet at least one of the following criteria: (1) 51 percent or more owned by Section 3 residents; (2) at least 30 percent of permanent, full-time employees qualify as Section 3 residents; or (3) can provide evidence that 25 percent of the total dollar amount of subcontracts will be awarded to other Section 3 businesses.
- Firms that meet one of the definitions of a Section 3 business, including Youthbuild partnerships, receive preference when bidding on HUD-funded contracts. Eligible businesses can self-certify that they meet HUD's criteria on the National Section 3 Business Registry.
- Section 3 applies to up to 40 percent of HUD's annual budget, or nearly \$19 billion.

## Innovative Use of Federal Funds to Support Apprenticeship

**Oakland Housing Authority:** In order to meet Section 3 requirements, the Oakland, CA Housing Authority (OHA) has partnered with an umbrella organization for a small group of pre-construction training programs that are recognized by local construction unions as an effective source for recruiting low-income Oakland residents into the trades. Through the collaboration, OHA program participants have been provided with valuable pre-apprenticeship training and placement services for various construction sector jobs on Section 3 covered projects.

**Jersey City Housing Authority:** The Jersey City Housing Authority (JCHA) has a dedicated Section 3 coordinator responsible for connecting contractors with Section 3 residents and training and apprenticeship programs. The Section 3 Coordinator works closely with the Jersey City Employment and Training Program (JCET) to develop these partnerships. JCHA and JCET recently partnered with the New Jersey Laborers' Union to recruit Section 3 residents for the union's Apprenticeship Program. Following the pre-apprenticeship training components, successful graduates are admitted into the Registered Apprenticeship program and placed into Jersey City development project construction jobs with contractors.

## Resources

Interested higher education institutions, training providers, employers, and individuals can find more detailed information and instructions:

- HUD's Section 3 web resource at: <http://www.hud.gov/section3>
- HUD-DOL partnership to promote Section 3 and Registered Apprenticeship partnerships:  
[http://portal.hud.gov/hudportal/documents/huddoc?id=HUD-DOL\\_FACTSHEET.PDF](http://portal.hud.gov/hudportal/documents/huddoc?id=HUD-DOL_FACTSHEET.PDF)
- Section 3 Business Registry: [www.hud.gov/sec3biz](http://www.hud.gov/sec3biz)





**U.S. Department of Labor's List of  
Occupations Officially Recognized as  
Apprenticeable by the Office of  
Apprenticeship  
Revised: April 2019**

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
1043	53-5011.00	ABLE SEAMAN	2785	TB	
2020	47-4021.00	ACCESSIBILITY AND PRIVATE RESIDENCE LIFT TECHNICIAN	4200	TB	13-23
0860	51-7011.00	ACCORDION MAKER	8000	TB	
1125HY	43-3031.00	ACCOUNTING TECHNICIAN (Alternate Title: Accounting Specialist)	4000-5000	HY	07-14, 11-06
1125CB	43-3031.00	ACCOUNTING TECHNICIAN (Alternate Title: Accounting Specialist)	*CB	CB	18-62
0861	47-2081.00	ACOUSTICAL CARPENTER (Alternate Title: Acoustical Specialist)	8000	TB	13-11
0861R-HY	47-2081.00	ACOUSTICAL SPECIALIST (Existing Title: Acoustical Carpenter)	5200-8000	HY	13-11
0862	27-2011.00	ACTOR	4800	TB	80-25
2078HY	17-3029.09	ADDITIVE 3D PRINTING TECHNICIAN	2000-4000	HY	19-18
2069HY	17-2011.00	AEROSPACE ENGINEER	2000-4000	HY	18-32
1067CB	49-3011.00	AEROSPACE PROPULSION JET ENGINE MECH (Military Only)	*CB	CB	04-19
2046CB	45-2011.00	AGRICULTURAL COMMODITY GRADER	*CB	CB	17-01
2076CB	25-2032.00	AGRICULTURE EDUCATION INSTRUCTOR	*CB	CB	19-14
0703	37-3012.00	AGRICULTURAL SERVICE WORKER	4000	TB	96-03
0990	49-9021.01	AIR & HYDRONIC BALANCING TECHNICIAN	6000	TB	86-04
0637R	49-9021.01	AIR CONDITIONING EQUIPMENT MECHANIC (Existing Title: Heating & Air-Conditioner Install/Ser)	8000	TB	
0002	49-9031.00	AIR CONDITIONING INSTALLER WINDOW	6000	TB	
0686	49-3023.02	AIR CONDITIONING MECHANIC (Auto Serv)	2000	TB	79-33
1101CB	53-2021.00	AIR TRAFFIC CONTROLLER (Military Only)	*CB	CB	05-19
1046CB	53-2012.00	AIR TRANSPORT PILOT	*CB	CB	03-01
0863	55-3014.00	AIRCRAFT ARMAMENT MECHANIC	8000	TB	
0003	49-2091.00	AIRCRAFT MECHANIC, ELECTRICAL	8000	TB	
0866	51-2011.00	AIRCRAFT MECHANIC, PLUMB & HYDRAULIC	8000	TB	
1068CB	51-4011.00	AIRCRAFT METALS TECH/MACHINIST/CNC/Welder (Military Only)	*CB	CB	04-19
0867	49-9061.00	AIRCRAFT PHOTOGRAPH EQUIPMENT	8000	TB	
1063CB	53-2022.00	AIRFIELD MANAGEMENT (Military Only)	*CB	CB	04-19
0005R	49-3011.00	AIRFRAME & POWERPLANT MECHANIC	8000	TB	02-20
1044	49-3011.00	AIRFRAME MECHANIC	3100	TB	02-21
0868	51-9199.00	AIRPLANE COVERER	8000	TB	
0004	51-9061.00	AIRPLANE INSPECTOR	6000	TB	
0870	43-5031.00	ALARM OPERATOR (Gov Serv)	2000	TB	80-03
0007	51-6052.00	ALTERATION TAILOR	4000	TB	
0724	53-3011.00	AMBULANCE ATTENDANT (EMT)	2000	TB	
0871	39-2011.00	ANIMAL TRAINER	4000	TB	
	15-1132.00	APPLICATION DEVELOPER	*CB	CB	08-11
2037HY	13-1151.00	APPRENTICESHIP AND TRAINING REPRESENTATIVE (Gov Only)	4000-6000	HY	16-04
2048HY	37-3013.00	ARBORIST	5400-6000	HY	17-17, 18-77
0105	47-2141.00	ARCHITECTURAL, COATINGS FINISHER	6000	TB	88-17
2013	55-3019.00	ARMORY TECHNICIAN	2000	TB	13-02
0531	33-2021.02	ARSON AND BOMB INVESTIGATOR	4000	TB	88-33
0012	51-9082.00	ARTIFICIAL EYE MAKER	10000	TB	

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0872	47-2071.00	ASPHALT PAVING MACHINE OPERATOR (Alt. Title: Concrete and Asphalt Equip Op)	6000	TB	11-06
0873	51-2031.00	ASSEMBLER, AIRCRAFT POWERPLANT	4000	TB	
0874	51-2011.00	ASSEMBLER, AIRCRAFT STRUCTURES	8000	TB	
0875	17-3024.00	ASSEMBLER, ELECTROMECHANICAL	8000	TB	
0876	51-2011.00	ASSEMBLER, INSTALLER, GENERAL	4000	TB	
0877	47-2221.00	ASSEMBLER, METAL BUILDING	4000	TB	10-09
0878	49-2011.00	ASSEMBLY TECHNICIAN	4000	TB	
0903	51-5112.00	ASSISTANT PRESS OPERATOR	4000	TB	88-04
0879	27-4012.00	AUDIO OPERATOR	4000	TB	
0880	49-2097.00	AUDIO-VIDEO REPAIRER	4000	TB	
0779	51-9041.00	AUGER PRESS OPER, MAN CONTROLLER	4000	TB	
0836	49-3023.02	AUTO COOLING SYSTEM DIAGNOSTIC TECH	4000	TB	79-33
0027	49-9041.00	AUTO MAINTENANCE-EQUIPMENT SERVICER	8000	TB	
**0023R	49-3023.01	AUTO, TRUCK, TRAILER REPAIR MECHANIC (Existing Title: Automobile Mechanic)	7328	TB	15-03
1128	49-9011.00	AUTOMATED ACCESS SYSTEMS TECHNICIAN	3520	TB	08-09
0821	49-9044.00	AUTOMATED EQUIPMENT ENGINEER-TECH	8000	TB	12-04
0021	49-2022.00	AUTOMATIC-EQUIPMENT TECHNICIAN	8000	TB	
0024	49-3021.00	AUTOMOBILE BODY REPAIRER	8000	TB	
0023	49-3023.01	AUTOMOBILE MECHANIC (Alternate Title: Light-Wheel Vehicle Mechanic)	8000	TB	11-06
0638	51-9061.00	AUTOMOBILE REPAIR-SERVICE ESTIMATOR	8000	TB	
0881	51-9061.00	AUTOMOBILE TESTER	8000	TB	
0639	51-6093.00	AUTOMOBILE UPHOLSTERER	6000	TB	
0882	49-2092.00	AUTOMOTIVE GENERATOR-STARTER REP	4000	TB	
0023R1	49-3023.01	AUTOMOTIVE MECHANIC (Existing Title: Automobile Mechanic)	8000	TB	
1034CB	49-3023.02	AUTOMOTIVE TECHNICIAN SPECIALIST (Existing Title: Undercar Specialist)	*CB	CB	03-20
1034CL	49-3023.02	AUTOMOTIVE TECHNICIAN SPECIALIST	*CB	CB	06-28, 19-22
1034CB	49-3023.02	AUTOMOTIVE TECHNICIAN SPECIALIST (Alternate Title: Light-Weight Vehicle Mech)	*CB	CB	11-06
0784	49-3023.02	AUTO-RADIATOR MECHANIC	4000	TB	79-33
0605	49-9099.00	AVIATION SAFETY EQUIPMENT TECHNICIAN	8000	TB	90-18
0599	49-9041.00	AVIATION SUPPORT EQUIPMENT REPAIRER	8000	TB	90-14
0464	49-2094.00	AVIONICS TECHNICIAN	8000	TB	
0028	51-3011.00	BAKER (Bake Produce)	6000	TB	
0776	51-3011.00	BAKER (Hotel & Restaurant)	6000	TB	
0883	35-2011.00	BAKER, PIZZA (Hotel & Restaurant)	2000	TB	
0029	49-9041.00	BAKERY-MACHINE MECHANIC	6000	TB	
2059HY	11-3031.02	BANK BRANCH MANAGER	4288-4760	HY	18-04
0640	27-1021.00	BANK-NOTE DESIGNER	10000	TB	
0030	39-5011.00	BARBER	2000	TB	
0608	35-3011.00	BARTENDER	2000	TB	90-26
0884	51-9051.00	BATCH-AND-FURNACE OPERATOR	8000	TB	
0885	49-2092.00	BATTERY REPAIRER	4000	TB	
0886	11-9013.02	BEEKEEPER	8000	TB	79-62
0569CB	29-2053.00	BEHAVIORAL HEALTH AIDE (Existing Title: Counselor)	*CB	CB	18-16
0031	51-9071.01	BENCH HAND (Jewelry-Silver)	4000	TB	

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0026	51-5113.00	BINDERY MACHINE SETTER	8000	TB	
0033	51-5113.00	BINDERY WORKER	8000	TB	
1103CB	19-4021.00	BIO-MANUFACTURING TECHNICIAN (Downstream)	*CB	CB	05-22
1102CB	19-4021.00	BIO-MANUFACTURING TECHNICIAN (Upstream)	*CB	CB	05-22
0888	49-9062.00	BIOMEDICAL EQUIPMENT TECHNICIAN	8000	TB	80-04
1136	45-1011.08	BISON HERD MANAGER	4000	TB	09-06
0889	51-9083.00	BLOCKER & CUTTER CONTACT LENS	2000	TB	
0036	47-2031.01	BOAT BUILDER (Existing Title: Boat Builder, Wood)	8000	TB	13-11
0036HY	47-2031.01	BOATBUILDER, WOOD	5200-8000	HY	13-11, 17-50
1119	47-4011.00	BOILER AND PRESSURE VESSEL INSPECTOR	2000	TB	06-32
0815	51-8021.00	BOILER OPERATOR (Alternative title: Boiler Plant Equipment Mechanic)	8000	TB	88-05
0038	47-2011.00	BOILERHOUSE MECHANIC	6000	TB	
0039	47-2011.00	BOILERMAKER FITTER	8000	TB	
0040	47-2011.00	BOILERMAKER I	6000	TB	14-19
0041	47-2011.00	BOILERMAKER II	6000	TB	
0047	51-5113.00	BOOKBINDER	10000	TB	
0890	51-6041.00	BOOTMAKER, HAND	2000	TB	
0892	49-3023.02	BRAKE REPAIRER (Auto Serv)	4000	TB	
0051	47-2021.00	BRICKLAYER (Brick & Tile)	8000	TB	
0052	47-2021.00	BRICKLAYER (Construction)	6000	TB	12-04, 16-29, 19-01
0052HY	47-2021.00	BRICKLAYER (Existing Title: Bricklayer (Construction))	4500-8000	HY	01-09, 13-04, 16-29, 19-01
0052R	47-2021.00	BRICKLAYER (Existing Title: Bricklayer (Construction))	8000	TB	13-04
0706	47-2021.00	BRICKLAYER, FIREBRICK & REFRACTORY	8000	TB	
0051HY	47-2021.00	BRICKLAYERS & MASON (Existing Title: Bricklayer (Brick & Tile) or (Masonry))	4500-6000	HY	11-06
0069	47-2031.02	BRIDGE CARPENTER-HEAVY HIGHWAY (Existing Title: Carpenter, Rough)	8000	TB	13-11
0069R-HY	47-2031.02	BRIDGE CARPENTER-HEAVY HIGHWAY (Existing Title: Carpenter, Rough)	5200-8000	HY	13-11
0310HY	49-9071.00	BUILDING MAINTENANCE REPAIRER (Ex. Title: Maintenance Repairer, Building)	3901-4422	HY	11-16
0310R	49-9071.00	BUILDING MAINTENANCE REPAIRER (Ex. Title: Maintenance Repairer, Building)	4000	TB	12-04
0124R	49-3031.00	BUS MAINTENANCE TECHNICIAN	5568	TB	10-26
0662	51-3023.00	BUTCHER, ALLROUND	6000	TB	
0894	51-3021.00	BUTCHER, MEAT (Hotel & Restaurant)	6000	TB	
0055	51-7011.00	CABINETMAKER	8000	TB	13-11
0055HY	51-7011.00	CABINETMAKER	5200-8000	HY	05-23, 13-11
0056	49-9051.00	CABLE INSTALLER-REPAIRER (Alternate Title: Cable Systems Installer/Maintainer)	6000	TB	11-06
0058	49-9051.00	CABLE SPLICER	8000	TB	
0566	49-9052.00	CABLE TELEVISION INSTALLER	2000	TB	
0059	51-9061.00	CABLE TESTER (Tel & Tel)	8000	TB	
0895	17-3023.01	CALIBRATION LABORATORY TECHNICIAN	8000	TB	85-04
1031	51-9061.00	CALIBRATOR (Military)	4000	TB	99-11
0955	27-4031.00	CAMERA OPERATOR	6000	TB	

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0790	49-9041.00	CANAL EQUIPMENT MECHANIC	4000	TB	
0641	51-9199.00	CANVAS WORKER	6000	TB	
0642	49-3043.00	CAR REPAIRER (Railroad Equipment)	8000	TB	
0896	49-3023.02	CARBURETOR MECHANIC	8000	TB	
1057CB	13-1071.00	CAREER DEVELOPMENT TECHNICIAN	*CB	CB	04-02, 18-58
0067HY	47-2031.00	CARPENTER	5200-8000	HY	05-23
0067	47-2031.00	CARPENTER	8000	TB	13-11
0653CL	47-2031.01	CARPENTER COMMERCIAL INTERIOR SPEC	5000	TB	09-03
0480HY	47-2031.01	CARPENTER ROOFER SPECIALIST (Existing Title: Roofer)	3900-6000	HY	13-11
0653	47-2031.01	CARPENTER, INTERIOR SYSTEMS (Alternate Title: Interior Systems Carpenter)	8000	TB	93-10, 13-11
0653HY	47-2031.01	CARPENTER, INTERIOR SYSTEMS (Alternate Title: Interior Systems Carpenter)	5200-8000	HY	05-23, 13-11
0068	47-2031.01	CARPENTER, MAINTENANCE	8000	TB	13-11
0762	47-2031.01	CARPENTER, MOLD	2000	TB	
1009	47-2031.02	CARPENTER, PILEDRIVER	8000	TB	88-06
1009HY	47-2031.02	CARPENTER, PILEDRIVER	5200-8000	HY	05-23
0069	47-2031.02	CARPENTER, ROUGH	8000	TB	
0070	47-2031.01	CARPENTER, SHIP	8000	TB	
0071	47-2041.00	CARPET LAYER	6000	TB	
0042	51-7011.00	CARVER, HAND	8000	TB	
0046	51-9195.07	CELL MAKER	2000	TB	
1124	51-9012.00	CELLAR WORKER (Wine)	2136	TB	07-08
0075	47-2051.00	CEMENT MASON	4000	TB	12-04, 16-29, 19-01
0075HY	47-2051.00	CEMENT MASON	4500-8000	HY	01-09, 11-27, 16-29, 19-01
0075R	47-2051.00	CEMENT MASON (Alternate Title: Cement Mason Concrete Finisher)	8000	TB	13-04, 13-11
1133	31-9093.00	CENTRAL STERILE PROCESSING TECHNICIAN	2000	TB	08-05
1133CB	31-9093.00	CENTRAL STERILE PROCESSING TECHNICIAN	*CB	CB	18-36, 18-54
0076	49-2022.00	CENTRAL-OFFICE INSTALLER	8000	TB	
0077	49-2022.00	CENTRAL-OFFICE REPAIRER	8000	TB	
2068	21-1011.00	CERTIFIED DRUG AND ALCOHOL COUNSELOR	3100	TB	18-24
1082CB	21-2099.00	CHAPLAIN SERVICE SUPPORT (Military Only)	*CB	CB	04-19
0663CB	35-2014.00	CHEF DE PARTI (Existing Title: Cook Hotel & Restaurant)	*CB	CB	17-35
0969	19-4031.00	CHEMICAL ENGINEERING TECHNICIAN	8000	TB	
0050	19-4031.00	CHEMICAL LABORATORY TECHNICIAN	8000	TB	
0791	51-9011.00	CHEMICAL OPERATOR III	6000	TB	
1134HY	19-4031.00	CHEMISTRY QUALITY CONTROL TECHNICIAN	2000-3000	HY	09-01
0053	17-3031.00	CHIEF OF PARTY (Prof & Kin)	8000	TB	14-24
1053	35-1011.00	CHIEF, COOK (Water Transportation)	4000	TB	03-16
1053CL	35-1011.00	CHIEF, COOK (Water Transportation)	*CB	CB	06-39
0840	39-9011.00	CHILD CARE DEVELOPMENT SPECIALIST	4000	TB	81-19
2022	37-2011.00	CHIMNEY SWEEP	4000	TB	14-01, 14-09
0060	51-8031.00	CLARIFYING-PLANT OPERATOR (Text)	2000	TB	
2026CB	29-2071.00	CLINICAL DOCUMENTATION IMPROVEMENT SPECIALIST	*CB	CB	14-14, 14-15
1097CB	51-4035.00	CNC OPERATOR - MILLING	*CB	CB	12-09

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
1094CB	51-4034.00	CNC OPERATOR - MILLING AND TURNING	*CB	CB	12-09
1093CB	51-4034.00	CNC OPERATOR - TURNING	*CB	CB	12-09
1100HY	51-4012.00	CNC OPERATOR AND PROGRAMMER (Existing Title: CNC Set-Up Program Operator - Milling and Turning)	6000-8000	HY	17-37
1099CB	51-4012.00	CNC SET-UP PROG - MILLING	*CB	CB	06-10
1100CB	51-4012.00	CNC SET-UP PROG - MILLING AND TURNING	*CB	CB	06-10
1095CB	51-4012.00	CNC SET-UP PROG - TURNING	*CB	CB	06-10
2034	53-3021.00	COACH OPERATOR	2000	TB	15-16
1025	51-9121.00	COATING MACHINE OPERATOR I	2000	TB	98-08
2051HY	51-9061.00	COATINGS INSPECTOR	3032-3632	HY	17-20
1065CB	55-3015.00	COMMAND POST SPECIALTY (Military Only)	*CB	CB	04-19
0013	27-1021.00	COMMERCIAL DESIGNER	8000	TB	
0167	17-3024.00	COMMERCIAL DRONE PILOT (Existing Title: Electro-Mechanical Technicians)	5580	TB	18-63
2072	15-1133.00	COMMERCIAL DRONE SOFTWARE DEVELOPER	3360	TB	18-64
1073CB	15-1121.00	COMMUNICATIONS-COMPUTER SYSTEMS PLANNING AND IMPLEMENTATION(Mil Only)	*CB	CB	04-19
2002CB	21-1091.00	COMMUNITY HEALTH WORKER	*CB	CB	10-21, 18-48
2002HY	21-1091.00	COMMUNITY HEALTH WORKER	2000-2200	HY	10-21
1118	51-2091.00	COMPOSITE FITTER MECHANIC	4000	TB	06-30
0909R	47-2131.00	COMPOSITE PLASTIC FABRICATOR (Existing Title: Insulation Worker (Military Only)	5920	TB	16-08
0087	51-5111.00	COMPOSITOR	8000	TB	
1116	29-2034.00	COMPUTED TOMOGRAPHY (CT) TECHNICIAN	1838	TB	06-26
0676	43-9011.00	COMPUTER OPERATOR	6000	TB	95-03
0811	15-1131.00	COMPUTER PROGRAMMER	4000	TB	
0811CB	15-1131.00	COMPUTER PROGRAMMER	*CB	CB	15-22
1131HY	15-1151.00	COMPUTER SUPPORT SPECIALIST	2008-2312	HY	13-16
2018HY	15-1151.00	COMPUTER SUPPORT SPECIALIST-DESKTOP SUPPORT TECH	2008-2312	HY	13-16
2017HY	15-1121.00	COMPUTER SYSTEMS ANALYST	2240-3428	HY	13-16
0817	43-9011.00	COMPUTER-PERIPHERAL-EQUIPMENT-OP	2000	TB	
0661HY	47-2061.00	CONSTRUCTION CRAFT LABORER	4000-5100	HY	08-16
0661R	47-2061.00	CONSTRUCTION CRAFT LABORER	4000	TB	14-07
1032	53-3032.00	CONSTRUCTION DRIVER	2400	TB	99-12
0336	49-3042.00	CONSTRUCTION EQUIPMENT MECHANIC	8000	TB	
0693	49-2094.00	CONTROL EQUIP ELEC-TECH	10000	TB	95-04
0066	49-9041.00	CONVEYOR MAINTENANCE MECHANIC	4000	TB	89-05
0090	35-2012.00	COOK (Any Ind) (Alternate Title: Nutrition Care Specialist)	4000	TB	11-06
0663	35-2014.00	COOK (Hotel & Restaurant)	6000	TB	
0663HY	35-2014.00	COOK (Hotel & Restaurant)	4000-6000	HY	11-22, 04-16
0722	51-3011.00	COOK, PASTRY (Hotel & Restaurant)	6000	TB	
0722HY	51-3011.00	COOK, PASTRY (Hotel & Restaurant)	4000-6000	HY	04-16
0094	51-4071.00	COREMAKER	8000	TB	
0851	33-3012.00	CORRECTION OFFICER	2000	TB	
0920	49-2095.00	CORROSION-CONTROL FITTER	8000	TB	
0096	39-5012.00	COSMETOLOGIST	2000	TB	01-08, 04-20
0569	21-1012.00	COUNSELOR	4000	TB	89-15

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0771R	47-2111.00	CRANE ELECTRICIAN (Existing Title: Electrician [Ship & Boat]) (Military Only)	5760	TB	16-08
0153R	49-3031.00	CRANE MECHANIC (Existing Title: Mechanic, Industrial Truck) (Military Only)	5920	TB	16-08
1113CB	19-4092.00	CRIME SCENE TECHNICIAN	*CB	CB	06-22
1008	49-9031.00	CUSTOMER SERVICE REPRESENT	6000	TB	88-07
0613	51-9031.00	CUTTER, MACHINE 1	6000	TB	
2050CB	15-1122.00	CYBER SECURITY SUPPORT TECHNICIAN	*CB	CB	17-32, 18-49
0080	51-4194.00	CYLINDER GRINDER (Prt & Pub)	10000	TB	
0677	51-5112.00	CYLINDER PRESS OPERATOR	8000	TB	
2019HY	11-9013.02	DAIRY GRAZIER	4000	HY	13-20
0630	19-4021.00	DAIRY TECHNOLOGIST	8000	TB	
1130CB	15-1141.00	DATABASE TECHNICIAN	*CB	CB	08-11
0082	27-1026.00	DECORATOR (Any Ind)	8000	TB	
0101	31-9091.00	DENTAL ASSISTANT (Alternate Title: Dental Specialist)	2000	TB	11-06
0103	51-9081.00	DENTAL LABORATORY TECHNICIAN	6000	TB	
0650	49-9062.00	DENTAL-EQUIP INSTALL & SERVICES	6000	TB	
0106	17-3012.01	DESIGN DRAFTER, ELECTROMECHANICAL	8000	TB	
1081CB	29-2034.00	DIAGNOSTIC IMAGING SPECIALTY (Alternate Title: Radiology Specialist)	*CB	CB	04-19, 11-06
0114	51-4111.00	DIE FINISHER	8000	TB	
0654	51-4111.00	DIE MAKER (Paper Goods)	8000	TB	
0668	51-4111.00	DIE MAKER, BENCH, STAMPING	8000	TB	
0118	51-4111.00	DIE MAKER, STAMPING	6000	TB	
0119	51-4111.00	DIE MAKER, TRIM	8000	TB	
**0119R	51-4111.00	DIE MAKING (Existing Title: Die Maker Trim)	7328	TB	15-03, 17-16
0120	51-4194.00	DIE POLISHER (Nonfer Metal)	2000	TB	
0121	51-4022.00	DIE SETTER (Forging)	4000	TB	
0122	51-4111.00	DIE SINKER	8000	TB	
0124	49-3031.00	DIESEL MECHANIC (Alternate Title: Power-Generation Equipment Repairer)	8000	TB	11-06
2077CB	15-1199.10	DIGITAL MARKETER	*CB	CB	19-16
2070CB	27-4032.00	DIGITAL VIDEO EDITOR (Existing Title: Film or Video Tape Editor)	*CB	CB	18-30
1040CL	21-1093.00	DIRECT SUPPORT SPECIALIST	*CB	CB	02-02, 10-31
0820	11-9061.00	DIRECTOR, FUNERAL	2000	TB	80-10
0970	27-2012.02	DIRECTOR, TELEVISION	4000	TB	84-07
0681	43-5032.00	DISPATCHER, SERVICE (Alternate Title: Transportation Management Coordinator)	4000	TB	95-04, 11-06
0324	27-1026.00	DISPLAYER, MERCHANDISE	2000	TB	
1009R	47-2031.02	DOCK AND WHARF BUILDER	8000	TB	13-11
1009R-HY	47-2031.02	DOCK AND WHARF BUILDER	5200-8000	HY	13-11
2084HY	53-7062.00	DOCK WORKER		HY	19-33
0104	49-9011.00	DOOR-CLOSER MECHANIC	6000	TB	
0126	17-3011.01	DRAFTER, ARCHITECTURAL	8000	TB	
0128	17-3011.02	DRAFTER, CIVIL	8000	TB	
0129	17-3011.01	DRAFTER, COMMERCIAL	8000	TB	
0130	17-3013.00	DRAFTER, DETAIL	8000	TB	
0131	17-3012.02	DRAFTER, ELECTRICAL	8000	TB	
0133	17-3011.01	DRAFTER, HEATING & VENTILATE	8000	TB	

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0136	17-3013.00	DRAFTER, MECHANICAL	8000	TB	
0111	17-3011.01	DRAFTER, PLUMBING	8000	TB	
0139	17-3011.01	DRAFTER, STRUCTURAL	6000	TB	
0140	17-3013.00	DRAFTER, TOOL DESIGN	8000	TB	
0117	53-7031.00	DREDGE OPERATOR	2000	TB	
0125	47-5042.00	DRILLING-MACHINE OPERATOR	6000	TB	
2081HY	53-1031.00	DRIVER MANAGER	2900-3900	HY	19-27
0980	53-3032.00	DRIVER SERVICE PROVIDER (Existing Title: Truck Driver, Heavy)	5000	TB	
0649	51-6011.00	DRY CLEANER	6000	TB	
0145	47-2081.00	DRY-WALL APPLICATOR	4000	TB	
0145HY	47-2081.00	DRYWALL APPLICATOR SPECIALIST (Existing Title: Dry-Wall Applicator)	5200-8000	HY	13-11
0145	47-2081.00	DRYWALL APPLICATOR SPECIALIST (Existing Title: Dry-Wall Applicator)	4000	TB	13-11
0561R	47-2082.00	DRYWALL FINISHER (Existing Title: Taper)	6000	TB	13-11
0561HY	47-2082.00	DRYWALL FINISHER (Existing Title: Taper)	2482-4442	HY	11-09, 13-11
1054CB	15-1199.00	E-COMMERCE SPECIALIST	*CB	CB	03-17
1079CB	13-1151.00	EDUCATION AND TRAINING (Military Only)	*CB	CB	04-19
0927	51-2031.00	ELECT-MOTOR & GEN ASSEMBLER	4000	TB	
0829	49-2092.00	ELECT-MOTOR ASSEM & TESTER	8000	TB	
0171	49-9041.00	ELECT-PROD-LINE-MAINT-MECHANIC	2000	TB	
0330	49-9012.00	ELECTRIC METER INSTALLER I	8000	TB	
0151	49-9012.00	ELECTRIC METER REPAIRER	8000	TB	
0792	51-9061.00	ELECTRIC METER TESTER	8000	TB	
0149	49-2092.00	ELECTRIC MOTOR REPAIRER	8000	TB	
0652	51-2022.00	ELECTRIC SIGN ASSEMBLER	8000	TB	
0150	49-9031.00	ELECTRIC TOOL REPAIRER	8000	TB	
**0161R	49-2096.00	ELECTRICAL	7328	TB	15-03, 17-16
0154	49-9031.00	ELECTRICAL APPLIANCE REPAIRER	6000	TB	
0156	49-9031.00	ELECTRICAL APPLIANCE SERVICER	6000	TB	
0157	17-3023.01	ELECTRICAL INSTRUMENT REPAIRER	6000	TB	
0155	17-3023.03	ELECTRICAL TECHNICIAN	8000	TB	
0905	51-9061.00	ELECTRIC-DISTRIBUTION CHECKER	4000	TB	
0159HY	47-2111.00	ELECTRICIAN	8000	HY	11-25, 18-71
0159	47-2111.00	ELECTRICIAN (Alternate Title: Interior Electrician)	8000	TB	12-04, 13-19, 18-70
0771	47-2111.00	ELECTRICIAN (Ship & Boat)	8000	TB	
0158	47-2111.00	ELECTRICIAN (Water Trans)	8000	TB	
0160	49-2091.00	ELECTRICIAN, AIRCRAFT	8000	TB	
0161	49-2096.00	ELECTRICIAN, AUTOMOTIVE	4000	TB	
0162	49-2093.00	ELECTRICIAN, LOCOMOTIVE	8000	TB	
0643	47-2111.00	ELECTRICIAN, MAINTENANCE	8000	TB	
0163	49-2095.00	ELECTRICIAN, POWERHOUSE	8000	TB	
0164	49-2021.00	ELECTRICIAN, RADIO	8000	TB	
0166	49-2095.00	ELECTRICIAN, SUBSTATION	6000	TB	08-14
0132	49-9097.00	ELECTRIC-TRACK-SWITCH MAIN	8000	TB	
0167	17-3024.00	ELECTROMECHANICAL TECHNICIAN	6000	TB	
0167CB	17-3024.00	ELECTROMECHANICAL TECHNICIAN	*CB	CB	19-05
0168	49-9062.00	ELECTROMEDICAL EQUIP REPAIRER (Alternate Title: Medical Equipment Repairer )	4000	TB	11-6

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0167R	17-3024.00	ELECTRONIC INDUSTRIAL CONTROL MECHANIC (Existing Title: Electromechanical Tech)	5840	TB	
0617	43-9031.00	ELECTRONIC PREPRESS SYSTEM OPERATOR	10000	TB	91-13
1041	49-2022.00	ELECTRONIC SYSTEMS TECH	8000	TB	02-04
0967R	51-9199.00	ELECTRONIC UTILITY WORKER	4000	TB	
0137	49-2097.00	ELECTRONIC-ORGAN TECHNICIAN	4000	TB	
0170	49-2011.00	ELECTRONICS MECHANIC	8000	TB	88-05
0169	17-3023.01	ELECTRONICS TECHNICIAN	8000	TB	
0570	51-9061.00	ELECTRONICS TESTER	6000	TB	
0967	51-9199.00	ELECTRONICS UTILITY WORKER	8000	TB	
1036R	51-9121.00	ELECTROPLATER (Existing Title: Electrostatic Powder Coating Technician) (Military Only)	6240	TB	16-08
1036	51-9121.00	ELECTROSTATIC POWDER COATING TECH	8000	TB	00-03
0172	51-5111.00	ELECTROTYPYPER	10000	TB	
0906	49-2094.00	ELECT-SALES & SERVICE TECHNICIAN	8000	TB	
0138	47-2073.00	ELEVATING-GRADER OPERATOR	4000	TB	
0173	47-4021.00	ELEVATOR CONSTRUCTOR (Alternate Title: Elevator Constructor Mechanic)	8000	TB	06-37, 11-10, 15-19
0174	47-4021.00	ELEVATOR REPAIRER	8000	TB	
0665	39-4011.00	EMBALMER (Per Ser)	4000	TB	80-10
0704	51-5112.00	EMBOSSER	4000	TB	
0684	51-5112.00	EMBOSSING-PRESS OPERATOR	8000	TB	
0730	29-2041.00	EMERGENCY MEDICAL TECHNICIAN (Alternate Title: Health Care Specialist)	6000	TB	11-06
0730CB	29-2041.00	EMERGENCY MEDICAL TECHNICIAN (Alternate Title: Health Care Specialist)	*CB	CB	18-13
2005HY	13-1199.01	ENERGY AUDITOR AND ANALYST	2000-3350	HY	11-05
2005R1-HY	13-1199.01	ENERGY SPECIALIST	3900-6000	HY	13-11
2005R-HY	13-1199.01	ENERGY SPECIALIST	2600-4000	HY	13-11
0176	49-3053.00	ENGINE REPAIRER, SERVICE	8000	TB	
0143	51-9071.01	ENGINE TURNER (Jewelry)	4000	TB	
0764CB	17-3013.00	ENGINEERING ASSISTANT	*CB	CB	18-42, 19-17
0764	17-3013.00	ENGINEERING ASSISTANT, MECHANIC EQUIP	8000	TB	
0249	51-4061.00	ENGINEERING MODEL MAKER (Inst & App)	8000	TB	
0782	51-4034.00	ENGINE-LATHE SET-UP OP, TOOL	4000	TB	79-65
0142	51-4034.00	ENGINE-LATHE SET-UP OPERATOR	4000	TB	
0178	51-9194.00	ENGRAVER (Glass Prod)	4000	TB	
0705	51-9194.00	ENGRAVER I	10000	TB	
0146	51-9194.00	ENGRAVER, BLOCK (Prt & Pub)	8000	TB	
0806	51-9194.00	ENGRAVER, HAND, HARD METAL	8000	TB	
0147	51-9194.00	ENGRAVER, HAND, SOFT METAL	8000	TB	
0963	51-5112.00	ENGRAVER, MACHINE	8000	TB	
0179	51-9194.00	ENGRAVER, PANTOGRAPH I	8000	TB	
0148	51-9194.00	ENGRAVER, PICTURE (Prt&Pub)	2000	TB	
0915	51-5112.00	ENGRAVING PRESS OPERATOR	6000	TB	
0180	51-9196.00	ENVELOPE-FOLD-MACH ADJUSTER	6000	TB	
0648	19-2041.00	ENVIRONMENTAL ANALYST	7000	TB	93-02
0637R2	49-9021.01	ENVIRONMENTAL CONTROL SYST. INSTALL/SERVICES (HVAC)	8000	TB	03-18
0165	49-2022.00	EQUIPMENT INSTALLER (Tel & Tel)	8000	TB	

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0965	17-3012.02	ESTIMATOR AND DRAFTER	8000	TB	
0175	51-5111.00	ETCHER, HAND (Prt & Pub)	10000	TB	
0182	51-5111.00	ETCHER, PHOTOENGRAVING	8000	TB	
0184	51-4061.00	EXPER MECH MOTOR & BIKES	8000	TB	
0183	51-9061.00	EXPERIMENTAL ASSEMBLER	8000	TB	17-16
**0184R	51-4061.00	EXPERIMENTAL AUTO (Product Engineering Layout and Assembly)	7328	TB	15-03
**0381R	51-9122.00	EXPERIMENTAL LABORATORY PAINT TECHNICIAN	7328	TB	15-03, 17-16
**0881R	51-9061.00	EXPERIMENTAL TEST MECHANIC	7328	TB	15-03
1000	37-2021.00	EXTERMINATOR, TERMITE	4000	TB	86-12
0185	51-4021.00	EXTRUDER OPERATOR (Plastics)	2000	TB	
0857R	51-4062.00	FABRIC WORKER (Existing Title: Patternmaker, All-Around) (Military Only)	5920	TB	16-08
0833	51-2041.00	FABRICATOR-ASSEMBLER METAL PROD	8000	TB	
0672	49-9098.00	FACILITIES LOCATOR	4000	TB	94-11
1056CB	11-9141.00	FACILITY MANAGER	*CB	CB	03-28
0187	49-3041.00	FARM EQUIPMENT MECHANIC I	6000	TB	19-34
0789	49-3041.00	FARM EQUIPMENT MECHANIC II	8000	TB	
0981	45-2091.00	FARM WORKER, GENERAL I	2000	TB	84-22
0177	11-9013.02	FARMER, GENERAL (Agric)	8000	TB	
0808	51-4022.00	FASTENER TECHNOLOGIST	6000	TB	80-01
0711	47-4031.00	FENCE ERECTOR	6000	TB	98-02
2064CB	49-2021.00	FIBER OPTIC TECHNICIAN	*CB	CB	18-18
0960	27-4012.00	FIELD ENGINEER (Radio & TV)	8000	TB	
0916	49-2094.00	FIELD SERVICE ENGINEER	4000	TB	82-04
0916CB	49-2094.00	FIELD SERVICE ENGINEER (Medical)	*CB	CB	15-26
1121HY	47-4011.00	FIELD TECH CONCRETE/MASONRY INSPECT	3000-6000	HY	07-06
1122HY	47-4011.00	FIELD TECH SOIL/ASPHALT INSPECTOR	2400-6000	HY	07-06
1123HY	47-4011.00	FIELD TECH STEEL/WELD/FIREPROOF INSPECT	3000-6000	HY	07-06
0921	51-9151.00	FILM DEVELOPER	6000	TB	
0907	51-9151.00	FILM LAB TECHNICIAN	6000	TB	
0908	51-9151.00	FILM LAB TECHNICIAN I	6000	TB	
0127	27-4032.00	FILM OR VIDEOTAPE EDITOR	8000	TB	
1083CB	43-3051.00	FINANCIAL MANAGEMENT (Military Only) (Alternate Title: Finance Specialist)	*CB	CB	04-19, 11-06
0181	51-9081.00	FINISHER, DENTURE	2000	TB	
0535	33-2011.01	FIRE APPARATUS ENGINEER	6000	TB	88-33
0576	33-1021.01	FIRE CAPTAIN	6000	TB	89-17
1087	13-1151.00	FIRE DEPARTMENT TRAINING OFFICER	4000	TB	05-12
0541	33-2011.01	FIRE ENGINEER	2000	TB	88-33
0195	33-2011.01	FIRE FIGHTER	6000	TB	11-06
1092	33-2011.01	FIRE FIGHTER DIVER	7000	TB	05-12
1091	33-2011.01	FIRE FIGHTER PARAMEDIC	8000	TB	05-12
0544	33-2011.02	FIRE FIGHTER SPECIALIST WILDLAND	4000	TB	02-14
0192	33-2011.01	FIRE FIGHTER, CRASH, FIRE	2000	TB	
0516	33-2021.01	FIRE INSPECTOR	8000	TB	88-25
1090	33-2021.02	FIRE MARSHALL	4000	TB	05-12
0754	33-2011.01	FIRE MEDIC	6000	TB	79-25
1089	33-1021.01	FIRE PREVENTION OFFICER	4000	TB	05-12
1088	33-2011.02	FIRE SUPPRESSION TECHNICIAN	4000	TB	05-12
0193	55-3014.00	FIRE-CONTROL MECHANIC	4000	TB	

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0188	51-9051.00	FIRER, KILN (Pottery & Porc)	6000	TB	79-07
1052	51-8021.00	FIRER, MARINE (Alternate Title: Fireman, Oiler & Watertender ) (Water Transportation)	2115	TB	03-15
0902	33-3031.00	FISH & GAME WARDEN (Gov Ser)	4000	TB	82-23
1024	45-2093.00	FISH HATCHERY WORKER	2000	TB	98-08
0197	51-2041.00	FITTER (Mach Shop)	4000	TB	
0189	51-2041.00	FITTER I (Any Ind)	6000	TB	
0198	51-4041.00	FIXTURE MAKER (Light Fix)	4000	TB	
0199R	47-2042.00	FLOOR COVER (Existing Title: Floor Layer)	8000	TB	13-11
0201	47-2042.00	FLOOR COVER LAYER (RR Equip)	6000	TB	
0199	47-2042.00	FLOOR LAYER	6000	TB	
0199HY	47-2042.00	FLOOR LAYER (Alternate Title: Floor Cover)	5200-8000	HY	11-09, 05-23, 13-11
0202	27-1023.00	FLORAL DESIGNER	2000	TB	78-08
0194	51-5113.00	FOLDING MACHINE OPERATOR	4000	TB	
0203	49-9041.00	FORGE-SHOP-MACHINE REPAIRER	6000	TB	
0196	51-4022.00	FORGING-PRESS OPERATOR I	2000	TB	
0206	47-2031.02	FORM BUILDER (Const)	4000	TB	
0206HY	47-2031.02	FORM BUILDER (Const)	3350-4600	HY	
0206R	47-2031.02	FORM BUILDER CARPENTER (Existing Title: Form Builder)	6000	TB	13-11
0206R1-HY	47-2031.02	FORM BUILDER CARPENTER (Existing Title: Form Builder)	3900-6000	HY	13-11
0200	51-2041.00	FORMER, HAND (Any Ind)	4000	TB	
0048	51-9041.00	FORMING-MACHINE OPERATOR	8000	TB	
0207	17-2131.00	FOUNDRIY METALLURGIST	8000	TB	
0204	51-9012.00	FOURDRINIER-MACHINE OPER	6000	TB	
0208	51-4081.00	FOUR-SLIDE-MACHINE SETTER	4000	TB	
0211	51-9193.00	FREEZER OPERATOR (Dairy)	2000	TB	
0215	49-9063.00	FRETTEO INSTRUMENT REPAIRER	6000	TB	
0209	49-3023.02	FRONT-END MECHANIC	8000	TB	
0922	49-3023.02	FUEL INJECTION SERVICER	8000	TB	
0610	49-9041.00	FUEL SYSTEM MAINT WORKER	4000	TB	90-26
0220	51-9031.00	FUR CUTTER	4000	TB	
0224	27-1022.00	FUR DESIGNER	8000	TB	
0210	51-6031.00	FUR FINISHER	4000	TB	
0794	49-9021.01	FURNACE INSTALLER	6000	TB	
0678	49-9021.01	FURNACE INSTALLER & REPAIRER	8000	TB	
0944	51-4051.00	FURNACE OPERATOR	8000	TB	
0225	27-1021.00	FURNITURE DESIGNER	8000	TB	
0212	51-7021.00	FURNITURE FINISHER	6000	TB	
0213	51-6093.00	FURNITURE UPHOLSTERER	8000	TB	
0214	51-6052.00	FURRIER	8000	TB	
0228	51-9032.00	GANG SAWYER, STONE	4000	TB	
0917	49-9031.00	GAS APPLIANCE SERVICER	6000	TB	
0594	49-9012.00	GAS UTILITY WORKER	4000	TB	90-14
0230	49-3053.00	GAS-ENGINE REPAIRER	8000	TB	
0964	47-2152.01	GAS-MAIN FITTER	8000	TB	
0331	49-9012.00	GAS-METER MECHANIC I	6000	TB	
0232	49-9012.00	GAS-REGULATOR REPAIRER	6000	TB	
0226	51-8093.00	GAUGER (Petrol Prod)	4000	TB	

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0241	51-4081.00	GEAR HOBBER SET-UP OPERATOR	8000	TB	
0664	51-4081.00	GEARCUT-MACHINIST SET-UP OPER. TOOL	6000	TB	
0234	51-4081.00	GEAR-CUTTING-MACH SET-UP OPERATOR	6000	TB	
0242	51-9071.06	GEM CUTTER (Jewelry)	6000	TB	
2040HY	43-9041.01	GENERAL INSURANCE ASSOCIATE	2169-3476	HY	16-12
0217	17-3031.02	GEODETIC COMPUTATOR	4000	TB	
1062CB	17-1021.00	GEOSPATIAL SPECIALIST	*CB	CB	05-08
2006HY	47-5021.00	GEO THERMAL AND WELLDRILLING OPERATOR	4000-6000	HY	11-11
0218	51-9195.04	GLASS BENDER (Fab Nec)	8000	TB	
0219	51-9195.04	GLASS BLOWER	6000	TB	
0768	51-9195.04	GLASS BLOWER, LAB APPARATUS	8000	TB	
0714	49-3022.00	GLASS INSTALLER (Auto Serv)	4000	TB	
0243	51-9195.04	GLASS-BLOWING-LATHE OPERATOR	8000	TB	
0221HY	47-2121.00	GLAZIER	5200-8000	HY	11-09, 13-11
0221	47-2121.00	GLAZIER	8000	TB	13-11
0221R1	47-2121.00	GLAZIER, ARCHITECTURAL	4000	TB	
0222	47-2121.00	GLAZIER, STAINED GLASS	8000	TB	
0984	51-9061.00	GRADER (Woodworking)	8000	TB	84-41
0010	27-1024.00	GRAPHIC DESIGNER	3000	TB	
0934	37-3011.00	GREENSKEEPER II	4000	TB	
0244	51-4033.00	GRINDER I (Clock & Watch)	8000	TB	
0671	51-4194.00	GRINDER OP TOOL PRECISION	8000	TB	
0635	51-4033.00	GRINDER SET-UP OPERATOR, JIG	8000	TB	92-09
0974	51-4194.00	GRINDER SET-UP OPERATOR, UNIVERSAL	8000	TB	
0695HY	33-9032.00	GUARD, SECURITY	3000-6000	HY	95-06
0695CL	33-9032.00	GUARD, SECURITY OFFICER (Existing Title: Security Guard)	3000-6000	HY	07-15
0229	51-4081.00	GUNSMITH	8000	TB	
0096A	39-5012.00	HAIR STYLIST (Existing Title: Cosmetologist)	2000	TB	04-20
**0586R	51-4111.00	HARDENER-TOOL & DIE	7328	TB	15-03
0245	51-6041.00	HARNESS MAKER	6000	TB	
0248	51-7011.00	HARPSICHORD MAKER	4000	TB	
0253	51-7011.00	HAT BLOCK MAKER (Woodwork)	6000	TB	
0591	47-4041.00	HAZARDOUS-WASTE MATERIAL TECHNICIAN	4000	TB	90-04
0831	51-7041.00	HEAD SAWYER	6000	TB	80-44
0602	29-2099.00	HEALTH CARE SANITARY TECHNICIAN	2000	TB	90-16
2027CB	13-1111.00	HEALTH INFORMATION MANAGEMENT BUSINESS ANALYST	*CB	CB	14-14, 14-16
2028CB	13-1111.00	HEALTH INFORMATION MANAGEMENT DATA ANALYST	*CB	CB	14-14, 14-17
2029CB	29-2071.00	HEALTH INFORMATION MANAGEMENT HOSPITAL CODER	*CB	CB	14-14, 14-18
2073CB	11-9199.02	HEALTH INFORMATION MANAGEMENT PRIVACY AND SECURITY OFFICER	*CB	CB	18-61
2024HY	15-1151.00	HEALTH INFORMATION TECHNOLOGY SPECIALIST	2000-2200	HY	14-12
1086AA-CL	31-1011.00	HEALTH SUPPORT SPECIALIST (Existing Title: Home Health Aide)	3000-6000	HY	09-09
1086AA-HY	31-1011.00	HEALTH SUPPORT SPECIALIST (Existing Title: Home Health Aide)	2500-5000	HY	06-18, 09-05
1084	43-9061.00	HEALTH UNIT COORDINATOR	2000	TB	04-21
2071CB	29-2092.00	HEARING AID SPECIALIST	*CB	CB	18-41

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0257	17-3027.00	HEAT TRANSFER TECHNICIAN	8000	TB	
0233	51-4191.00	HEAT TREATER I	8000	TB	
0637R1	49-9021.01	HEATING & AIR CONDITIONING MECHANIC & INSTALLER	8000	TB	13-10
0637	49-9021.01	HEATING & AIR-CONDITIONER INSTALL/SER	6000	TB	11-16, 18-38
0637CL	49-9021.01	HEATING & AIR-CONDITIONER INSTALL/SER	8500-10000	HY	11-14
0637HY	49-9021.01	HEATING, VENTILATION, AIR CONDITIONING (Ex. Tit: Heating&Air Cond. Inst/Ser)	8500-10000	HY	11-14, 18-37
0637R	49-9021.01	HEATING, VENTILATION, AIR CONDITIONING (Ex. Tit: Heating&Air Cond. Inst/Ser)	8500	TB	99-15, 18-71
0980CB	53-3032.00	HEAVY AND TRACTOR TRAILER TRUCK DRIVER (Existing title: Truck Driver, Heavy)	*CB	CB	18-50
0947	51-4022.00	HEAVY FORGER	8000	TB	
1131CB	15-1151.00	HELP DESK TECHNICIAN	*CB	CB	08-11
1074CB	19-3093.00	HISTORIAN (Military Only)	*CB	CB	04-19
1086CL	31-1011.00	HOME HEALTH AIDE (Alternate Title: Health Support Specialist)	*CB	CB	05-10, 18-72
1108CB	11-9111.00	HOME HEALTH DIRECTOR	*CB	CB	06-03
2004	47-4099.03	HOME PERFORMANCE LABORER (Residential)	2000	TB	11-12, 17-22
2083HY	47-5021.00	HORIZONTAL DIRECTIONAL DRILL OPERATOR	3372-3936	HY	19-36
1001	39-2011.00	HORSE TRAINER	2000	TB	86-14
0235	39-2021.00	HORSESHOER	4000	TB	
0236	19-1013.00	HORTICULTURIST	6000	TB	
1035	43-4081.00	HOTEL ASSOCIATE	4000	TB	00-02
2032CB	11-9081.00	HOTEL MANAGER	*CB	CB	15-15
0943	37-2012.00	HOUSEKEEPER, COM, RES, IND	2000	TB	84-24
0783	49-9041.00	HYDRAULIC PRESS SERVICE (Ordn)	4000	TB	
0651	49-9041.00	HYDRAULIC REPAIRER	8000	TB	93-13
1110	53-7061.00	HYDRO BLASTER/VACUUM TECHNICIAN	4000	TB	06-12
1110HY	53-7061.00	HYDRO BLASTER/VACUUM TECHNICIAN	2992-4032	HY	11-09
0237	49-9041.00	HYDROELECTRIC-MACHINERY MECHANIC	6000	TB	
0238	51-8013.00	HYDROELECTRIC-STATION OPERATOR	6000	TB	
0239	51-9061.00	HYDROMETER CALIBRATOR	4000	TB	
0240	27-1013.00	ILLUSTRATOR (Profess & Kin)	8000	TB	
0016	27-1021.00	INDUSTRIAL DESIGNER	8000	TB	81-07
0259	17-3026.00	INDUSTRIAL ENGINEERING TECHNICIAN	8000	TB	
1037	49-9041.00	INDUSTRIAL MACHINIST SYSTEM TECHNICIAN	4000	TB	00-07
0308HY	49-9041.00	INDUSTRIAL MAINTENANCE MECHANIC (Existing Title: Maintenance Mechanic)	5200-8000	HY	13-11
0311R	49-9071.00	INDUSTRIAL MAINTENANCE REPAIRER	8000	TB	
2031HY	17-3029.09	INDUSTRIAL MANUFACTURING TECHNICIAN	2736-3000	HY	15-04, 17-16
2058	51-6031.00	INDUSTRIAL SEWING MACHINE OPERATOR	2058	TB	17-46
1060CB	15-1142.00	INFORMATION ASSURANCE SPECIALIST	*CB	CB	04-09
1072CB	43-9022.00	INFORMATION MANAGEMENT (Word Processing) (Military Only)	*CB	CB	04-19
1132	15-1142.00	INFORMATION TECHNOLOGY SPECIALIST	2782	TB	17-08
1132CB	15-1142.00	INFORMATION TECHNOLOGY SPECIALIST	*CB	CB	10-02
0246	51-4072.00	INJECTION-MOLDING-MACHINIST OPERATOR	2000	TB	
0941	47-4011.00	INSPECTOR, BUILDING	6000	TB	84-17
0968	51-9061.00	INSPECTOR, ELECTROMECHANIC	8000	TB	
0697	51-9061.00	INSPECTOR, METAL FABRICATE	8000	TB	96-01

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0581	53-6051.07	INSPECTOR, MOTOR VEHICLES	4000	TB	89-29
0380	51-9061.00	INSPECTOR, OUTSIDE PRODUCT	8000	TB	
0424	51-9061.00	INSPECTOR, PRECISION	4000	TB	
0992	13-1041.04	INSPECTOR, QUALITY ASSURANCE	6000	TB	80-12
0636	51-9061.00	INSPECTOR, SET-UP & LAY-OUT (Alternate Title: Senior Noncommissioned Logistician)	8000	TB	88-01, 11-06
0251	51-4041.00	INSTRUMENT MAKER	8000	TB	
0254	51-4041.00	INSTRUMENT MAKER & REPAIRER	10000	TB	
0996	17-3023.01	INSTRUMENT MECH, WEAPONS SYSTEM	8000	TB	
0644	17-3023.01	INSTRUMENT MECHANIC (Any Ind)	8000	TB	
0775	17-3023.01	INSTRUMENT REPAIRER (Any Ind)	8000	TB	
0252	17-3023.01	INSTRUMENT TECHNICIAN (Utilities)	8000	TB	
0252HY	17-3023.01	INSTRUMENTATION & CONTROLS TECHNICIAN (Existing Title: Instrument Technician (Utilities))	6000-8000	HY	18-27
0255	17-3023.01	INSTRUMENTATION TECHNICIAN	8000	TB	
0909	47-2132.00	INSULATION WORKER	8000	TB	12-04, 13-11
0909HY	47-2132.00	INSULATION WORKER	5200-8000	HY	13-11
0909R1	47-2132.00	INSULATOR (Thermal) (Existing Title: Insulation Worker) (Military Only)	5920	TB	16-08
0265	27-1025.00	INTERIOR DESIGNER	4000	TB	
1038	15-1143.00	INTERNETWORKING TECHNICIAN	5000	TB	00-09
0579	33-9021.00	INVESTIGATOR, PRIVATE	2000	TB	89-28
1059CB	15.1151.00	IT GENERALIST	*CB	CB	04-08, 18-51, 19-17
0169CB	17-3023.01	IT LAB TECHNICIAN	*CB	CB	18-39
1048CB	11-3021.00	IT PROJECT MANAGER	*CB	CB	03-09
0270	51-6063.00	JACQUARD-LOOM WEAVER	8000	TB	
0258	51-6063.00	JACQUARD-PLATE MAKER	2000	TB	
0260	51-9071.01	JEWELER	4000	TB	
0261	51-7031.00	JIG BUILDER (Wood Contain)	4000	TB	
**0349R	51-4071.00	JOB MOLDER	7328	TB	15-03, 17-16
0262	51-5112.00	JOB PRINTER	8000	TB	
0264	47-2031.01	JOINER (Ship & Boat Bldg)	8000	TB	
0266	51-9051.00	KILN OPERATOR (Woodworking)	6000	TB	
0273	51-6063.00	KNITTER MECHANIC	8000	TB	
0850	51-6063.00	KNITTING MACHINE FIXER	8000	TB	
0267	19-4091.00	LABORATORY ASSISTANT	6000	TB	77-36
0621	17-3029.00	LABORATORY ASST, METALLURGICAL	4000	TB	
0268	19-4031.00	LABORATORY TECHNICIAN	2000	TB	
0269	19-4031.00	LABORATORY TESTER	4000	TB	
0271	37-3011.00	LANDSCAPE GARDENER	8000	TB	
0574	37-3011.00	LANDSCAPE MANAGEMENT TECHNICIAN	2000	TB	89-14
0571	37-3011.00	LANDSCAPE TECHNICIAN	4000	TB	89-14
0275	51-7011.00	LAST-MODEL MAKER	8000	TB	
0272	47-2031.01	LATHING SPECIALIST (Existing Title: Lather)	8000	TB	13-11
0272HY	47-2031.01	LATHING SPECIALIST (Existing Title: Lather)	3900-6000	HY	05-23, 13-11
0691	49-9041.00	LAUNDRY-MACHINE MECHANIC	6000	TB	
0554	51-9083.00	LAY-OUT TECHNICIAN	8000	TB	
0825	51-4192.00	LAY-OUT WORKER I (Any Ind)	8000	TB	
0274	51-4121.06	LEAD BURNER	8000	TB	
0935	51-6041.00	LEATHER STAMPER	2000	TB	

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0800	43-6012.00	LEGAL SECRETARY	2000	TB	78-51
0280	51-5112.00	LETTERER (Profess & Kin)	4000	TB	
0276	27-4011.00	LIGHT TECHNICIAN	8000	TB	
0281	49-9051.00	LINE ERECTOR (POWER-LINE DISTRIBUTION ERECTOR)	6000	TB	12-04
0282	49-9052.00	LINE INSTALLER-REPAIRER	8000	TB	
0283	49-9051.00	LINE MAINTAINER (Alternate Title: High Voltage Electrician)	8000	TB	
0283R	49-9051.00	LINE MAINTAINER (Alternate Title: High Voltage Electrician)	7000	TB	07-13a
0284	49-9051.00	LINE REPAIRER	6000	TB	
0279	51-9123.00	LINER (Pottery & Porc)	6000	TB	
0286	51-5111.00	LINOTYPE OPERATOR (Prt & Pub)	10000	TB	
0683CL	51-5112.00	LITHOGRAPH PRESS OPERATOR	*CB	CB	05-07
0683	51-5112.00	LITHOGRAPH PRESS OPERATOR, TINWARE	8000	TB	
0063	51-5111.00	LITHOGRAPHIC PLATEMAKER	8000	TB	
1047	51-8012.00	LOAD DISPATCHER	8000	TB	03-04
0289	49-9094.00	LOCKSMITH	8000	TB	13-11
0287	53-4011.00	LOCOMOTIVE ENGINEER	8000	TB	
2032R-CB	11-9081.00	LODGING MANAGER (Existing Title: Hotel Manager)	*CB	CB	17-43
0290	51-7031.00	LOFT WORKER (Ship & Boat)	8000	TB	
0900	45-4021.00	LOGGER, ALLROUND	4000	TB	79-23
0299	49-3042.00	LOGGING-EQUIPMENT MECHANIC	8000	TB	
0632	17-2112.00	LOGISTICS ENGINEER	8000	TB	91-16
1105CL	11-9111.00	LONG TERM CARE NURSE MANAGEMENT	*CB	CB	05-14
0841	51-6063.00	LOOM FIXER	6000	TB	
1050	49-9099.00	LUBRICATION SER MATERIAL DISPOSAL TECH	4000	TB	03-10
0301	51-2031.00	MACHINE ASSEMBLER	4000	TB	
0291	51-2031.00	MACHINE BUILDER	4000	TB	79-65
0291CB	51-2031.00	MACHINE BUILDER	*CB	CB	06-10
0293	49-9044.00	MACHINE ERECTOR	8000	TB	
0302	49-9041.00	MACHINE FIXER (Carpet & Rug)	8000	TB	
0305	51-6064.00	MACHINE FIXER (Textile)	6000	TB	
0511	51-4081.00	MACHINE OPERATOR I	2000	TB	
**0292R	49-9041.00	MACHINE REPAIRER	7328	TB	15-03, 17-16
0292	49-9041.00	MACHINE REPAIRER, MAINTENANCE	8000	TB	09-14
0938	51-4081.00	MACHINE SETTER (Any Ind)	8000	TB	
0317	51-4081.00	MACHINE SETTER (Clock)	8000	TB	
0263	51-4081.00	MACHINE SETTER (Mach Shop)	6000	TB	
0321	51-7042.00	MACHINE SETTER (Woodwork)	8000	TB	
0327	51-9196.00	MACHINE SET-UP OPER, PAPER	8000	TB	
0958	51-4081.00	MACHINE SET-UP OPERATOR	4000	TB	
0659	51-4081.00	MACHINE TRYOUT SETTER	8000	TB	
0296CB	51-4041.00	MACHINIST (Alternate Title: Precision Machinist)	*CB	CB	05-21, 11-06
0296R	51-4041.00	MACHINIST (Alternate Title: Precision Machinist) (Military Only)	5920	TB	16-08
0294	51-4041.00	MACHINIST, AUTOMOTIVE	8000	TB	
0295	51-4041.00	MACHINIST, EXPERIMENTAL	8000	TB	
0297	49-9041.00	MACHINIST, LINOTYPE	8000	TB	
0298	49-3031.00	MACHINIST, MARINE ENGINE	8000	TB	

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0191	49-9061.00	MACHINIST, MOTIONPIC EQUIPMENT	4000	TB	
0300	51-4041.00	MACHINIST, OUTSIDE (Ship)	8000	TB	
0303	51-7011.00	MACHINIST, WOOD	8000	TB	
1115	29-2035.00	MAGNETIC RESONANCE IMAGING TECH	1856	TB	06-26
0304	43-9051.00	MAILER	8000	TB	
0308	49-9041.00	MAINT MECHANIC (Any Ind) (Alternate Title: Industrial Maintenance Mechanic)	8000	TB	13-11
0022	49-3031.00	MAINT MECHANIC (Const; Petrol) (Alternate Title: Heavy-Wheel Vehicle Mechanic )	8000	TB	11-06
0307	49-9041.00	MAINT MECHANIC (Grain & Feed)	4000	TB	78-14
0311	49-9071.00	MAINT REPAIRER, INDUSTRIAL	8000	TB	79-28
2065CB	49-2021.00	MAINTENANCE & CONDITION ASSESSMENT FOREMAN (MCF)	*CB	CB	18-18
2066CB	49-2021.00	MAINTENANCE & CONDITION ASSESSMENT LEAD (MCL)	*CB	CB	18-18
0306	51-4041.00	MAINTENANCE MACHINIST	8000	TB	09-14
0020	49-9041.00	MAINTENANCE MECH, COMPGAS	8000	TB	
0309	49-2022.00	MAINTENANCE MECHANIC, TELEPHONE	6000	TB	
0310	49-9071.00	MAINTENANCE REPAIRER, BUILD	4000	TB	78-56
1049	47-2061.00	MAINTENANCE TECH MUNICIPAL	4000	TB	03-11
0511R	51-4081.00	MAKER PROFESSIONAL (Existing Title: Machine Operator 1)	2000	TB	16-25
1117	29-2034.00	MAMMOGRAPHY TECHNOLOGIST	1856	TB	06-26
2082CB	13-1111.00	MANAGEMENT SYSTEMS AUDITOR	*CB	CB	19-31
0593	11-9051.00	MANAGER, FOOD SERVICE	6000	TB	90-14
1061	37-1011.00	MANAGER, HOUSEHOLD (Private Residence)	4000	TB	04-15
0578	41-1011.00	MANAGER, RETAIL STORE	6000	TB	89-18, 16-23
0578CL	41-1011.00	MANAGER, RETAIL STORE (Store Manager)	*CB	CB	16-23, 19-32
0973	47-3011.00	MARBLE FINISHER	4000	TB	81-13, 13-04, 16-29, 19-01
0973HY	47-3011.00	MARBLE FINISHER	3500-4000	HY	01-09, 16-29, 19-01
0313	47-2044.00	MARBLE SETTER	8000	TB	13-04, 16-29, 19-01
0313HY	47-2044.00	MARBLE SETTER	4500-8000	HY	01-09, 16-29, 19-01
0771R1	47-2111.00	MARINE ELECTRICIAN (Existing Title: Electrician [Ship & Boat]) (Military Only)	5840	TB	16-08
0292R	49-9041.00	MARINE MACHINERY MECHANIC (Existing Title: Machine Repairer, Maintenance) (Military Only)	5920	TB	16-08
0412R2	47-2152.01	MARINE PIPEFITTER (Existing Title: Pipe Fitter [Ship & Boat]) (Military Only)	5920	TB	16-08
0946	49-9071.00	MARINE SERVICES TECHNICIAN	6000	TB	81-27
2003	33-3051.01	MASTER HOMELAND SECURITY SPECIALIST	4000	TB	10-28
0856	43-5061.00	MATERIAL COORDINATOR (Alt Titles: Automated Logistical /Unit Supply Specialists )	4000	TB	11-06
0328	17-2131.00	MATERIALS ENGINEER	10000	TB	
0316	51-3021.00	MEAT CUTTER	6000	TB	
0319	49-3042.00	MECHANIC, ENDLESS TRACK VEH	8000	TB	
0153	49-3031.00	MECHANIC, INDUSTRIAL TRUCK (Alternate Titles: Diesel Mech/Power-Gen Equip Rep)	8000	TB	11-06, 17-47

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0337	49-3043.00	MECHANICAL-UNIT REPAIRER	8000	TB	
0777	17-3027.00	MECHANICAL ENGINEERING TECHNICIAN	8000	TB	
0777CB	17-3027.00	MECHANICAL ENGINEERING TECHNICIAN	*CB	CB	18-65
2014	49-2094.00	MECHATRONICS TECHNICIAN	8000	TB	13-07
2014CB	49-2094.00	MECHATRONICS TECHNICIAN	*CB	CB	14-11, 15-05
1120	23-1021.00	MEDICAID DISABILITY CLAIMS ADJUDICATOR	6000	TB	06-33
1085	31-9092.00	MEDICAL ASSISTANT	4000	TB	05-11
1085CB	31-9092.00	MEDICAL ASSISTANT	*CB	CB	16-20, 18-52, 19-17
1114	29-2071.00	MEDICAL CODER (Alternate Title: Patient Administration Specialist)	2712	TB	06-26, 11-06
1114CB	29-2071.00	MEDICAL CODER/BILLER (Existing Title: Medical Coder)	*CB	CB	18-33, 18-53
0751	43-6013.00	MEDICAL SECRETARY	2000	TB	77-42
1111HY	31-9094.00	MEDICAL TRANSCRIPTIONIST	4000-4200	HY	06-15
0323	29-2012.00	MEDICAL-LABORATORY TECHNICIAN (Alternate Title: Medical Laboratory Specialist )	4000	TB	77-42, 11-06
0325	51-2041.00	METAL FABRICATOR	8000	TB	13-03
0329	49-2094.00	METEOROLOGICAL EQUIPMENT REPAIRER	8000	TB	
0940	19-2021.00	METEOROLOGIST	6000	TB	80-13
0332	49-9012.00	METER REPAIRER (Any Ind)	6000	TB	
1135HY	19-4021.00	MICROBIOLOGY QUALITY CONTROL TECH	2000-3000	HY	09-02
1077CB	13-1041.03	MILITARY EQUAL OPPORTUNITY (Military Only)	*CB	CB	04-19
0333	51-9021.00	MILLER, WET PROCESS	6000	TB	
0334	51-4035.00	MILLING MACHINE SET-UP OPERATOR	4000	TB	79-65
0335	49-9044.00	MILLWRIGHT	8000	TB	12-04, 13-11
**0335R	49-9044.00	MILLWRIGHT	7328	TB	15-03, 17-16
0335HY	49-9044.00	MILLWRIGHT	5200-8000	HY	05-23, 13-11
1028	17-2151.00	MINE INSPECT. (Gov) Metal-Nonmetal	8000	TB	99-05
1029	17-2151.00	MINE INSPECTOR (Gov) Coal	8000	TB	99-05
0350	49-3043.00	MINE-CAR REPAIRER	4000	TB	
0354	47-5081.00	MINER I (Mine & Quarry)	2000	TB	
0358	51-4061.00	MOCKUP BUILDER (Aircraft)	8000	TB	
0343	51-9199.00	MODEL & MOLD MAKER (Brick)	4000	TB	
0344	51-9199.00	MODEL & MOLD MAKER, PLASTER	8000	TB	
0339	51-4061.00	MODEL BUILDER (Furn)	4000	TB	
0341	51-7031.00	MODEL MAKER (Aircraft)	8000	TB	
0491	51-4061.00	MODEL MAKER (Auto Mfg) (Alternate Title: Model Making-Metal)	7424	TB	82-32
0363	51-4061.00	MODEL MAKER (Clock & Watch)	8000	TB	
0340	51-9195.05	MODEL MAKER (Pottery & Porc)	4000	TB	
0773	51-9071.01	MODEL MAKER II (Jewelry)	8000	TB	
0780	51-4061.00	MODEL MAKER, FIREARMS	8000	TB	
0342	51-7031.00	MODEL MAKER, WOOD	8000	TB	
**0342R	51-7031.00	MODEL MAKER-WOOD	7328	TB	15-03, 17-16
**0491R	51-4061.00	MODEL MAKING-METAL (Existing Title: Model Maker (Auto Mfg))	7328	TB	15-03, 17-16
1030	17-3013.00	MOLD DESIGNER (Plastics Ind)	8000	TB	99-03
0345	51-9071.01	MOLD MAKER (Pottery & Porc)	6000	TB	
0346	51-9071.01	MOLD MAKER I (Jewelry)	8000	TB	
0347	51-9071.01	MOLD MAKER II (Jewelry)	4000	TB	

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0116	51-4111.00	MOLD MAKER, DIE-CAST & PLASTER	8000	TB	
0348	51-4072.00	MOLD SETTER	2000	TB	
0349	51-4071.00	MOLDER	8000	TB	
0351	51-4072.00	MOLDER, PATTERN (Foundry)	8000	TB	
0367	51-5111.00	MONOTYPE-KEYBOARD OPERATOR	6000	TB	
0352	47-2022.00	MONUMENT SETTER (Const)	8000	TB	
0353	47-2044.00	MOSAIC WORKER	8000	TB	13-04
0353HY	47-2044.00	MOSAIC WORKER	4500-8000	HY	01-09, 19-01
0355	49-3051.00	MOTORBOAT MECHANIC	6000	TB	
0356	49-3052.00	MOTORCYCLE REPAIRER	6000	TB	
0932	47-2073.00	MOTOR-GRADER OPERATOR	6000	TB	
0931	51-4199.00	MULTI OPERATION FORM MACHINIST SETTER	8000	TB	
0371	51-4022.00	MULTI OPERATION-MACHINE OPERATOR	6000	TB	
0970CB	27-2012.01	MULTIMEDIA PRODUCER (Existing Title: TV Director)	*CB	CB	18-29
0688	37-2011.00	MULTI-STORY WINDOW/BUILD	6000	TB	95-04
1071CB	47-5031.00	MUNITIONS SYSTEMS (Military Only)	*CB	CB	04-19
2080CB	27-2042.02	MUSICIAN	*CB	CB	19-24
0692	47-2111.00	NEON-SIGN SERVICER	8000	TB	
1132HY	15-1142.00	NETWORK AND COMPUTER SYSTEMS ADMINISTRATOR (Alternate Title: IT Specialist)	2060-3032	HY	13-16, 11-06
1132R-CB	15-1142.00	NETWORK SUPPORT TECHNICIAN	*CB	CB	08-11
1010	17-3029.01	NON-DESTRUCTIVE TESTER	2000	TB	88-10
1010CL	17-3029.01	NON-DESTRUCTIVE TESTER	*CB	CB	05-01
1010R	17-3029.01	NONDESTRUCTIVE TESTING (NDT) (Existing Title: Non-Destructive Tester) (Military Only)	5920	TB	16-08
0845	51-4011.00	NUMERICAL CONTROL MACHINIST OPER	8000	TB	
0845R	51-4011.00	NUMERICAL CONTROL MACHINIST OPER	4000	TB	
0824	31-1014.00	NURSE ASSISTANT	2000	TB	79-16
0824CL	31-1014.00	NURSE ASSISTANT CERTIFIED (Existing Title: Nurse Assistant)	*CB	CB	04-10
0837	29-2061.00	NURSE, LICENSED PRACTICAL	2000	TB	81-26
1033	11-3011.00	OFFICE MANAGER/ADMIN SERVICES	4000	TB	99-17
0359	49-2011.00	OFFICE-MACHINE SERVICER	6000	TB	
1104	53-5021.02	OFFICER IN CHARGE OF NAVIG WATCH	3000	TB	05-13
0361	51-5112.00	OFFSET-PRESS OPERATOR I	8000	TB	
0966	49-9021.01	OIL BURNER-SERVICER & INSTALLER	4000	TB	
0364	49-3031.00	OIL FIELD EQUIP MECHANIC	4000	TB	
0364CB	49-3031.00	OIL FIELD EQUIP MECHANIC (Op I Frac-Acd)	*CB	CB	06-17
0365HY	47-2073.00	OPERATING ENGINEER	4000-6000	HY	10-04
0365	47-2073.00	OPERATING ENGINEER (Alternate Title: Heavy Construction Equipment Mechanic)	6000	TB	11-06
0959	51-9061.00	OPERATIONAL TEST MECHANIC	6000	TB	
2049CB	13-1199.03	OPERATIONS ASSISTANT (ENERGY)	*CB	CB	17-27
1066CB	55-3015.00	OPERATIONS INTELLIGENCE (Military Only)	*CB	CB	04-19
2060HY	11-1021.00	OPERATIONS MANAGEMENT	4318-4820	HY	18-04
1064CB	53-2022.00	OPERATIONS RESOURCE FLIGHT/Jump Management (Military Only)	*CB	CB	04-19
0089HY	29-2081.00	OPHTHALMIC DISPEN OPT/CONTACT LENS	6000+	HY	07-10
0250	51-9083.00	OPTICAL INSTRUMENT ASSEMBLY	4000	TB	

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0032	51-9083.00	OPTICIAN (Op Gds; Ret Tr) (Alternate Title: Optical Laboratory Specialist )	10000	TB	11-06
0377	51-9083.00	OPTICIAN (Optical Goods)	8000	TB	
0089	29-2081.00	OPTICIAN DISPENSING	4000	TB	
2045CB	17-3029.08	OPTICS MANUFACTURING TECHNICIAN	*CB	CB	16-19
0368	17-3027.00	OPTOMECHANICAL TECHNICIAN	8000	TB	
0372	55-3014.00	ORDNANCE ARTIFICER (Gov Ser)	6000	TB	
0373	47-4099.00	ORNAMENTAL IRONWORKER (Alternate Title: Architectural & Ornamental Ironworker)	8000	TB	10-25
0373HY	47-4099.00	ORNAMENTAL IRONWORKER (Alternate Title: Architectural & Ornamental Ironworker)	6000-8000	HY	06-16
0373R-HY	47-4099.00	ORNAMENTAL IRONWORKER/ARCHITECT (Existing Title: Ornamental Ironworker)	5600-8000	HY	10-25
0374	51-4081.00	ORNAMENTAL METAL WORKER	8000	TB	
0910	51-6041.00	ORTHO-BOOT-SHOE DESIGNER MAKER	10000	TB	
0375	51-9081.00	ORTHODONTIC TECHNICIAN	4000	TB	
0911	51-9082.00	ORTHOTICS TECHNICIAN	2000	TB	
0458	29-2091.00	ORTHOTIST	8000	TB	
0378	49-3051.00	OUTBOARD MOTOR MECHANIC	4000	TB	
0378R	49-3051.00	OUTBOARD TECHNICIAN (Alternate Title: Outboard-Motor Mechanic)	4000	TB	17-26
0384	49-9041.00	OVERHAULER (Textile)	4000	TB	
0104	49-9011.00	OVERHEAD DOOR INSTALLER	8000	TB	13-11
0385R	47-2141.00	PAINTER (Existing Title: Painter, Shipyard) (Military Only)	5920	TB	16-08
0379	47-2141.00	PAINTER (Const)	6000	TB	
0626	27-1013.00	PAINTER (Professional and Kindred)	2000	TB	
0383	51-9123.00	PAINTER, HAND (Any Ind)	6000	TB	
2009HY	47-2141.00	PAINTER, INDUST COATING AND LINING APP SPECIALIST	4632-6032	HY	12-13
0385	47-2141.00	PAINTER, SHIPYARD	6000	TB	
0386	51-9199.00	PAINTER, SIGN	8000	TB	
0381	51-9122.00	PAINTER, TRANS EQUIPMENT	6000	TB	
0379HY	47-2141.00	PAINTER-DECORATOR (Painter Const)	4572-7052	HY	11-09
0389	51-4035.00	PANTOGRAPH-MACHINE SET-UP OPER	4000	TB	
0390	47-2142.00	PAPERHANGER	4000	TB	
1003	23-2011.00	PARALEGAL (Alternate Title: Paralegal Specialist)	6000	TB	86-20, 11-06
0543	29-2041.00	PARAMEDIC (Alternate Title: Health Care Specialist)	4000	TB	88-33, 11-06
0392	51-5111.00	PASTE-UP ARTIST	6000	TB	
0394	51-4062.00	PATTERNMAKER (Metal Prod)	8000	TB	
0796	51-4062.00	PATTERNMAKER (Stonework)	8000	TB	
0710	51-6092.00	PATTERNMAKER (Textiles)	6000	TB	
0857	51-4062.00	PATTERNMAKER, ALL-AROUND	10000	TB	82-31
0395	51-4062.00	PATTERNMAKER, METAL	10000	TB	
0396	51-4062.00	PATTERNMAKER, METAL, BENCH	10000	TB	
0397	51-9199.00	PATTERNMAKER, PLASTER	6000	TB	
0923	51-4062.00	PATTERNMAKER, PLASTICS	6000	TB	
0398	51-7032.00	PATTERNMAKER, WOOD	10000	TB	
**0398R	51-7032.00	PATTERNMAKING, WOOD	7328	TB	15-03, 17-16
**0395R	51-4062.00	PATTERNMAKING-METAL	7328	TB	15-03, 17-16

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
1042	47-2141.00	PAVEMENT STRIPER	4000	TB	02-03
2039	21-1093.00	PEER SPECIALIST (Bureau of Prisons Only)	2000	TB	16-11
1078CB	43-4161.00	PERSONNEL SYSTEMS MANAGEMENT (Military Only) (Alt Title: Human Resource Spec)	*CB	CB	04-19, 11-06
0982	51-9071.07	PEWTER CASTER	6000	TB	84-49
0986	51-9071.07	PEWTER FABRICATOR	8000	TB	84-49
0983	51-9071.07	PEWTER FINISHER	4000	TB	84-49
0987	51-9071.07	PEWTER TURNER (SILVERWARE)	8000	TB	84-49
0988	51-9071.07	PEWTERER	4000	TB	84-49
0844	29-2052.00	PHARMACIST ASSISTANT (Alternate Title: Pharmacy Technician)	2000	TB	80-38
0844CL	29-2052.00	PHARMACY SUPPORT STAFF (Alternate Title: Pharmacy Specialist)	*CB	CB	05-16, 11-06
0844CB	29-2052.00	PHARMACY TECHNICIAN	*CB	CB	17-21
0844R-CL	29-2052.00	PHARMACY TECHNICIAN, RETAIL STORE (Existing Title: Pharmacist Assistant)	*CB	CB	16-23
2036	31-9097.00	PHLEBOTOMIST	2000	TB	15-28
0285	43-9021.00	PHOTOCOMPOSING-PERFORAT-MA	4000	TB	
0399	51-5111.00	PHOTOENGRAVER	10000	TB	
0400	51-5111.00	PHOTOENGRAVING FINISHER	10000	TB	
0401	51-5111.00	PHOTOENGRAVING PRINTER	10000	TB	
0402	51-5111.00	PHOTOENGRAVING PROOFER	10000	TB	
0924	49-9061.00	PHOTO-EQUIPMENT TECHNICIAN	6000	TB	
0546	17-3031.02	PHOTOGRAMMETRIC TECHNICIAN	6000	TB	89-04
0912	51-9151.00	PHOTOGRAPH RETOUCHER	6000	TB	
0685	51-5111.00	PHOTOGRAPHER, LITHOGRAPHIC	10000	TB	
0402	27-4031.00	PHOTOGRAPHER, MOTION PICTURE	6000	TB	76-17
0405	51-5111.00	PHOTOGRAPHER, PHOTOENGRAV	12000	TB	
0403	27-4021.00	PHOTOGRAPHER, STILL	6000	TB	76-17
0563	49-9061.00	PHOTOGRAPHIC EQUIPMENT MAINTENANCE	6000	TB	
0407	51-5111.00	PHOTOGRAPHIC-PLATE MAKER	8000	TB	
2011	31-2022.00	PHYSICAL THERAPY AIDE	2000	TB	12-20
0408	49-9063.00	PIANO TECHNICIAN	8000	TB	
0793	49-9063.00	PIANO TUNER	6000	TB	
1009R1	47-2031.02	PILE DRIVER	8000	TB	13-11
1009R1-HY	47-2031.02	PILE DRIVER	5200-8000	HY	13-11
0623	53-5021.03	PILOT, SHIP	3000	TB	
0387	49-9041.00	PINSETTER ADJUSTER, AUTOMATIC	6000	TB	
0985	49-9043.00	PINSETTER MECH, AUTOMATIC	4000	TB	84-50
0411	47-2132.00	PIPE COVERER & INSULATOR	8000	TB	
0414S-CL	47-2152.01	PIPE FITTER - SPRINKLER FITTER	8500-10000	HY	11-14
0414S-R	47-2152.01	PIPE FITTER - SPRINKLER FITTER	8000	TB	03-13
0414	47-2152.01	PIPE FITTER (Construction)	8000	TB	99-15, 13-08
0414HY	47-2152.01	PIPE FITTER (Existing Title: Pipe Fitter (Construction))	8500-10000	HY	11-14
0414CL	47-2152.01	PIPE FITTER (Existing Title: Pipe Fitter (Construction))	8500-10000	HY	11-14
0412	47-2152.01	PIPE FITTER (Ship & Boat)	8000	TB	
0417	51-7011.00	PIPE ORGAN BUILDER	6000	TB	
0388	49-9063.00	PIPE ORGAN TUNER & REPAIR	8000	TB	

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
**0414R	47-2152.01	PIPEFITTING	7328	TB	
**0412R	47-2152.01	PIPEFITTING AND/OR PLUMBING	7328	TB	15-03, 17-16
0961	51-9021.00	PLANT OPERATOR	6000	TB	
0393	51-8091.00	PLANT OPERATOR, FURNACE PRO	8000	TB	
0404	51-9195.07	PLASTER PATTERN CASTER	10000	TB	
0423	47-2161.00	PLASTERER	8000	TB	13-04, 13-11, 16-29, 19-01
0423HY	47-2161.00	PLASTERER	4500-8000	HY	01-09, 11-27, 13-11, 16-29, 19-01
0843	51-4111.00	PLASTIC FIXTURE BUILDER	8000	TB	
0660	51-4072.00	PLASTIC PROCESS TECHNICIAN	8000	TB	94-02
0426	51-4111.00	PLASTIC TOOL MAKER	8000	TB	
0186	51-9199.00	PLASTICS FABRICATOR	4000	TB	
0427	51-5111.00	PLATE FINISHER (Print & Pub)	12000	TB	
0427CB	51-5111.00	PLATE MAKER (Existing Title: Plate Finisher)	*CB	CB	
1093	51-2041.00	PLATE SHOP OPERATOR	6000	TB	10-10
0430	51-5112.00	PLATEN-PRESS OPERATOR	8000	TB	
0431	51-4193.00	PLATER	6000	TB	
**0432R	47-2152.02	PLUMBER	7328	TB	
0432R1	47-2152.02	PLUMBER	8000	TB	18-71
0432	47-2152.02	PLUMBER	8500	TB	99-15, '12-04, 13-10, 11-06, 11-14
0432CL	47-2152.02	PLUMBER	8500-10000	HY	11-14
0432HY	47-2152.02	PLUMBER	8500-10000	HY	11-14
1107	49-3011.00	PNEUDRAULIC SYSTEMS MECHANIC	4800	TB	05-24
0434	49-9041.00	PNEUMATIC TOOL REPAIRER	8000	TB	
0435	49-9041.00	PNEUMATIC TUBE REPAIRER	4000	TB	
0406	31-9092.00	PODIATRIC ASSISTANT	4000	TB	
0680HY	47-2061.00	POINTER, CLEANER, CAULKER	4500-8000	HY	01-09, 13-04, 16-29, 19-01
0680R	47-2061.00	POINTER, CLEANER, CAULKER (Existing Title: Tuckpointer Cleaner, Caulker)	8000	TB	16-29, 19-01
0437	33-3051.01	POLICE OFFICER (Alternate Title: Military Police)	4000	TB	77-71, 11-06
0901	51-7041.00	PONY EDGER (Sawmill)	4000	TB	80-44
0596	43-5051.00	POST OFFICE CLERK	4000	TB	90-14
0439	51-9195.05	POTTERY MACHINE OPERATOR	6000	TB	
0443	49-9041.00	POWERHOUSE MECHANIC	8000	TB	
1045	49-3011.00	POWERPLANT MECHANIC	3000	TB	02-19
0440	51-8013.00	POWER-PLANT OPERATOR	8000	TB	
0441	49-3053.00	POWER-SAW MECHANIC	6000	TB	
0442	49-2092.00	POWER-TRANSFORMER REPAIRER	8000	TB	
0410	51-2011.00	PRECISION ASSEMBLER	6000	TB	
0962	51-2023.00	PRECISION ASSEMBLER, BENCH	4000	TB	
0296	51-4041.00	PRECISION MACHINIST (Alternate Title: Machinist)	8000	TB	14-08
0277	51-9083.00	PRECISION-LENS GRINDER	8000	TB	
0928	51-4031.00	PRESS OPERATOR HEAVY DUTY	8000	TB	
0928CB	51-4031.00	PRESS SET-UP OPERATOR - STAMPING	*CB	CB	06-21
2001	31-1011.00	PREVENTATIVE HOME HEALTH AIDE	2000	TB	10-20

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RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0452	51-5112.00	PRINTER, PLASTIC	8000	TB	
0451	51-5112.00	PRINTER-SLOTTER OPERATOR	8000	TB	
0557R	53-7011.00	PROCESS/SHIPPING TECHNICIAN	8000	TB	88-17
1058CB	11-9161.00	PRODUCTION CONTROLLER	*CB	CB	04-07
1023	51-9121.00	PRODUCTION FINISHER	4000	TB	98-05
0643R	47-2111.00	PRODUCTION MACHINERY ELECTRICIAN (Existing Title: Electrician, Maintenance) (Military Only)	5720	TB	16-08
0292R	49-9041.00	PRODUCTION MACHINERY MECHANIC (Existing Title: Machine Repairer) (Military Only)	5920	TB	16-08
1027CB	51-2092.00	PRODUCTION TECHNOLOGIST	*CB	CB	99-10
2044	51-9012.00	PROFESSIONAL BREWER	2000	TB	16-18
2063CB	29-2071.00	PROFESSIONAL FEE CODER	*CB	CB	18-10
0913	27-2012.01	PROGRAM ASSISTANT	6000	TB	78-41
0949	15-1131.00	PROGRAMMER, ENGINEER & SCIENTIFIC	8000	TB	
0413	51-9151.00	PROJECTION PRINTER	8000	TB	
0288	51-5112.00	PROOF-PRESS OPERATOR	10000	TB	
0415	51-5111.00	PROOFSHEET CORRECTOR (Prt)	8000	TB	
0455	47-2031.01	PROP MAKER (Amuse & Rec)	8000	TB	
0456	49-2092.00	PROPULSION MOTOR & GENERATOR	8000	TB	
0416	47-5012.00	PROSPECTING DRILLER (Petro)	4000	TB	
0376	51-9082.00	PROSTHETICS TECHNICIAN	8000	TB	
0418	29-2091.00	PROSTHETIST (Medical serv)	8000	TB	
2008	33-3051.01	PROTECTIVE SERVICE SPECIALIST (Active Duty Military)	2000	TB	12-02
0459	49-2098.00	PROTECTIVE-SIGNAL INSTALLER	8000	TB	11-26
0006	47-2111.00	PROTECTIVE-SIGNAL REPAIRER	6000	TB	
0846	51-4061.00	PROTOTYPE MODEL MAKER	8000	TB	82-32
0646	49-2022.00	PRVTE-BRANCH EXCH INSTALLER	8000	TB	
1006	49-2022.00	PRVTE-BRANCH EXCH REPAIRER	8000	TB	
1076CB	27-3031.00	PUBLIC AFFAIRS (Military Only)	*CB	CB	04-19
1080CB	29-9012.00	PUBLIC HEALTH (Military Only)	*CB	CB	04-19
2010CB	15-1121.00	PUBLIC HEALTH INFORMATICIAN (CDC)	*CB	CB	12-25, 13-26
0419	49-9041.00	PUMP ERECTOR (Const)	4000	TB	
0933	49-9041.00	PUMP SERVICER	6000	TB	
0950	53-7121.00	PUMPER-GAUGER	6000	TB	76-23
0948	13-1023.00	PURCHASING AGENT	8000	TB	84-35
0461	51-9012.00	PURIFICATION OPERATOR II	8000	TB	
0936	51-9061.00	QUALITY CONTROL INSPECTOR	4000	TB	
0462	17-3026.00	QUALITY CONTROL TECHNICIAN	4000	TB	78-57
1007	19-4051.02	RADIATION MONITOR	8000	TB	87-14
0465	49-2021.00	RADIO MECHANIC (Any Ind)	6000	TB	
0466	49-2097.00	RADIO REPAIRER (Any ind)	8000	TB	
0952	27-4013.00	RADIO STATION OPERATOR (Alternate Title: Radio Operator/Maintainer)	8000	TB	11-06
0468	51-9061.00	RADIOGRAPHER	8000	TB	
2035HY	53-6051.07	RAILROAD SAFETY INSPECTOR	1500-2000	HY	15-21
0926	27-4014.00	RECORDING ENGINEER	4000	TB	
0420	51-9012.00	RECOVERY OPERATOR (Paper)	2000	TB	
2015	39-9032.00	RECREATION ASSISTANT	4500	TB	13-09
2057	51-9199.01	RECYCLING AND RECLAMATION WORKER (PRISONS ONLY)	2000	TB	17-29

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2056	53-1021.01	RECYCLING COORDINATOR (PRISON ONLY)	4000	TB	17-28
0852HY	51-8093.00	REFINERY OPERATOR	4000-6000	HY	13-15
0852	51-8093.00	REFINERY OPERATOR	6000	TB	88-01
0666HY	49-9021.02	REFRIGERATION & AIR CONDITION MECHANIC (Existing Title: Refrigeration Maint)	7480-8800	HY	
**0666R	49-9021.02	REFRIGERATION AND AIR CONDITIONING MAINTENANCE (Existing Title: Refrigeration Mechanic)	7328	TB	15-03
0666	49-9021.02	REFRIGERATION MECHANIC (Any Ind)	6000	TB	
0918	49-9021.02	REFRIGERATION UNIT REPAIRER	6000	TB	
2074CB	29-1141.00	REGISTERED NURSE RESIDENT	*CB	CB	18-76
2062HY	13-1041.07	REGULATORY AFFAIRS SPECIALIST	3000-4000	HY	18-06
0471	47-2171.00	REINFORCING IRONWORKER CONCRETE (Existing Title: Reinforcing Metal Worker)	4000	TB	
0471HY	47-2171.00	REINFORCING IRONWORKER CONCRETE (Existing Title: Reinforcing Metal Worker)	6000-8000	HY	06-16
0471R1-HY	47-2171.00	REINFORCING METAL WORKER	5600-8000	HY	10-25
0471R1	47-2171.00	REINFORCING METAL WORKER (Alternate Title: Ironworker Reinforcing Concrete)	8000	TB	10-25
0975	49-2095.00	RELAY TECHNICIAN	4000	TB	
0687	51-9061.00	RELAY TESTER	8000	TB	
0674	49-9041.00	REPAIRER I (Chem)	8000	TB	
0421	49-2092.00	REPAIRER, HANDTOOLS	6000	TB	
0997	49-3023.01	REPAIRER, HEAVY	4000	TB	
0807	49-3092.00	REPAIRER, RECREATIONAL VEH	8000	TB	78-07
0422	49-9041.00	REPAIRER, WELDING EQUIPMENT	4000	TB	
1005	49-9041.00	REPAIRER, WELDING SYS & EQ	6000	TB	87-07
0092	51-9151.00	REPRODUCTION TECHNICIAN	2000	TB	79-63
0788	17-3021.00	RESEARCH MECHANIC (Aircraft)	8000	TB	
0564	47-2031.01	RESIDENTIAL CARPENTER	4000	TB	89-12, 18-71
0564HY	47-2031.01	RESIDENTIAL CARPENTER	3645-4000	HY	98-03, 11-16
0564R	47-2031.01	RESIDENTIAL CARPENTER SPECIALIST (Existing Title: Residential Carpenter)	8000	TB	13-11
0564R-HY	47-2031.01	RESIDENTIAL CARPENTER SPECIALIST (Existing Title: Residential Carpenter)	3900-6000	HY	05-23, 13-11
1022	47-2111.00	RESIDENTIAL WIREMAN	4800	TB	11-16
0593CB	11-9051.00	RESTAURANT MANAGER (Existing Title: Manager, Food Service)	*CB	CB	17-42
0472	51-5111.00	RETOUCHER, PHOTOENGRAVING	10000	TB	
0474	49-9096.00	RIGGER (Military Only)	6000	TB	16-08
0473	49-9096.00	RIGGER (Ship & Boat Bldg)	4000	TB	
2061HY	13-2099.01	RISK CONSULTATION	4288-5735	HY	18-04
2047CB	13-2099.02	RISK MANAGEMENT ANALYST	*CB	CB	17-06
0475	51-4041.00	ROCKET MOTOR MECHANIC	8000	TB	
0425	49-3011.00	ROCKET-ENGINE-COMPONENT MECHANIC	8000	TB	
0428	51-4023.00	ROLL THREADER OPERATOR	2000	TB	
0795	51-9194.00	ROLLER ENGRAVER HAND	4000	TB	
0480	47-2181.00	ROOFER	4000	TB	02-12
0943CB	37-2012.00	ROOM ATTENDANT/HOUSEKEEPER	*CB	CB	17-35
0481	51-5112.00	ROTOGRAVURE-PRESS OPERATOR	8000	TB	

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0429	51-9061.00	RUBBER TESTER	8000	TB	
0485	49-9041.00	RUBBERIZING MECHANIC	8000	TB	
0484	51-9195.07	RUBBER-STAMP MAKER	8000	TB	
0433	37-2019.00	RUG CLEANER, HAND	2000	TB	
0487	51-6041.00	SADDLE MAKER	4000	TB	
0488	49-9094.00	SAFE & VAULT SERVICE MECHANIC	8000	TB	
0707	29-9011.00	SAFETY INSPECTOR/TECHNICIAN (Alternate Title: Preventive Medicine Specialist)	6000	TB	97-01, 11-06
0753	41-2022.00	SALESPERSON PARTS	4000	TB	79-09
0490	51-4061.00	SAMPLE MAKER, APPLIANCES	8000	TB	
0436	51-6052.00	SAMPLE STITCHER (Garment)	8000	TB	
0493	51-9195.03	SANDBLASTER, STONE	6000	TB	
0495	51-4194.00	SAW FILER (Any Ind)	8000	TB	
0496	51-4111.00	SAW MAKER (Cutlery & Tools)	6000	TB	
0069R	47-2031.02	SCAFFOLD ERECTOR (Existing Title: Carpenter, Rough)	8000	TB	13-11
0069R-HY	47-2031.02	SCAFFOLD ERECTOR (Existing Title: Carpenter, Rough)	5200-8000	HY	13-11
0497	49-9041.00	SCALE MECHANIC	8000	TB	
0855	51-5111.00	SCANNER OPERATOR	4000	TB	88-18
0520	51-9123.00	SCREEN PRINTER	4000	TB	
0502	51-4034.00	SCREW-MACH SET-UP OPERATOR	8000	TB	
0506	51-4034.00	SCREW-MACH SET-UP OPERATOR, SINGLE	6000	TB	
0500	51-4034.00	SCREW-MACHINE OPERATOR, MULTI SPIN	8000	TB	
0444	51-4034.00	SCREW-MACHINE OPERATOR, SINGLE SPIN	6000	TB	
0445	43-6014.00	SCRIPT SUPERVISOR	2500	TB	81-01
1137	33-3051.01	SECURITY SPECIALIST	4000	TB	09-12, 18-60
1109CB	11-9111.00	SENIOR HOUSING MANAGER	*CB	CB	06-04
0446	49-3021.00	SERVICE MECHANIC (Auto Mfg)	4000	TB	
0615	49-9098.00	SERVICE PLANNER (Light, Heat)	8000	TB	91-02
0615HY	49-9098.00	SERVICE PLANNER (Light, Heat)	7500-8000	HY	
1075CB	39-9041.00	SERVICES (Base Facilities) (Military Only)	*CB	CB	04-19
0508	49-9041.00	SEWING MACHINE REPAIRER	6000	TB	
**0508R	49-9041.00	SEWING MACHINE REPAIRER	7328	TB	
0510R	47-2211.00	SHEET METAL MECHANIC (Existing Title: Sheet Metal Worker) (Military Only)	5920	TB	16-08
0510	47-2211.00	SHEET METAL WORKER	8000	TB	88-04, 08-04
0510HY	47-2211.00	SHEET METAL WORKER	8000-9000	HY	08-04, 14-23
**0510R	47-2211.00	SHEET METAL WORKER & TINSMITH (Existing Title: Sheet Metal Worker)	7328	TB	15-03
0611	51-2041.00	SHIP PROPELLER FINISHER	6000	TB	90-26
0643R1	51-4192.00	SHIPFITTER (Existing Title: Shipfitter (Ship & Boat)) (Military Only)	5920	TB	16-08
0513	51-4192.00	SHIPFITTER (Ship & Boat)	8000	TB	
0979R	47-2031.01	SHIPWRIGHT (Existing Title: Shipwright (Ship & Boat)) (Military Only)	5920	TB	16-08
0979	47-2031.01	SHIPWRIGHT (Ship & Boat)	8000	TB	13-11
0514	51-6041.00	SHOE REPAIRER	6000	TB	
0812	51-6041.00	SHOEMAKER, CUSTOM	6000	TB	
0524	51-9083.00	SHOP OPTICIAN, BENCHROOM	8000	TB	88-23
0526	51-9083.00	SHOP OPTICIAN, SURFACE ROOM	8000	TB	88-23

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0515	51-6052.00	SHOP TAILOR	8000	TB	
0447	51-9194.00	SIDEROGRAPHER (Print & Pub)	10000	TB	
0517	47-4099.00	SIGN ERECTOR I	6000	TB	
0518	51-9199.00	SIGN WRITER, HAND	2000	TB	
0942	49-9097.00	SIGNAL MAINTAINER (RR Tran)	8000	TB	
0947HY	49-9097.00	SIGNALS MAINTAINER	4500-6800	HY	18-07
0519	51-9031.00	SILKSCREEN CUTTER	6000	TB	
0522	51-9071.07	SILVERSMITH II	6000	TB	
0448	51-5112.00	SKETCH MAKER I (Print & Pub)	10000	TB	
0523	51-9194.00	SKETCH MAKER II (Print & Pub)	8000	TB	
0525	49-3053.00	SMALL ENGINE MECHANIC	4000	TB	
0449	47-2042.00	SOFT TILE SETTER (Const)	6000	TB	
0450	19-1031.01	SOIL CONSERVATION TECHNICIAN	6000	TB	80-45
0453	51-9071.01	SOLDERER (Jewelry)	6000	TB	
0527	27-4014.00	SOUND MIXER	8000	TB	
0528	49-2022.00	SOUND TECHNICIAN	6000	TB	
2007	49-2098.00	SPECIAL HAZARDS FIRE SUPPRESSION SYSTEM TECH	3600	TB	12-01
0530	51-4034.00	SPINNER, HAND	6000	TB	
0457	51-4031.00	SPRING COILING MACHINE SET	8000	TB	
0532	51-4081.00	SPRING MAKER	8000	TB	
0533	49-3023.02	SPRING REPAIRER, HAND	8000	TB	
0534	51-4081.00	SPRING-MANUFACTURING SET-UP TECHNICIAN	8000	TB	
0414R1-HY	47-2152.01	SPRINKLER FITTER (Existing Title: Pipe Fitter)	8500-10000	HY	11-14
0414S	47-2152.01	SPRINKLER FITTER (Existing Title: Pipe Fitter)	8500	TB	99-15, 14-02
0521	27-4011.00	STAGE TECHNICIAN	6000	TB	88-14
0382	27-1021.00	STAINED GLASS ARTIST	8000	TB	
0647	49-2022.00	STATION INSTALLER & REPAIRER	8000	TB	
0536	51-8021.00	STATIONARY ENGINEER	8000	TB	08-08
**0536R	51-8021.00	STATIONARY ENGINEER-POWER HOUSE (Existing Title: Stationary Engineer)	7328	TB	15-03
0460	47-2152.01	STEAM SERVICE INSPECTOR	8000	TB	
0785	51-5112.00	STEEL-DIE PRINTER	8000	TB	
0463	51-9199.00	STENCIL CUTTER	4000	TB	80-02
0538	51-5111.00	STEREOTYPER	12000	TB	
0467	49-9041.00	STOKER ERECTOR & SERVICER	8000	TB	
0539	51-9195.03	STONE CARVER	6000	TB	
0017	51-4033.00	STONE POLISHER	6000	TB	
0312	51-9071.01	STONE SETTER (Jewelry)	8000	TB	
0542	51-9195.03	STONECUTTER, HAND	6000	TB	
0470	51-9032.00	STONE-LATHE OPERATOR	6000	TB	
0540R	47-2022.00	STONEMASON	8000	TB	13-04, 16-29, 19-01
0540R-HY	47-2022.00	STONEMASON	4500-8000	HY	01-09, 13-04, 16-29, 19-01
0545	47-2111.00	STREET-LIGHT SERVICER	8000	TB	
0726	51-5111.00	STRIPPER (Print & Pub)	10000	TB	
0064	51-5111.00	STRIPPER, LITHOGRAPHIC II	8000	TB	88-18
0325	51-2041.00	STRUCTURAL METAL FABRICATOR AND FITTER	8000	TB	13-03, 15-17

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0669	47-2221.00	STRUCTURAL STEEL WORKER (Alternate Titles: Ironworker or Structural Ironworker)	6000	TB	15-02, 10-25
0669HY	47-2221.00	STRUCTURAL STEEL/IRONWORKER (Existing Title: Structural Steel Worker)	6000-8000	HY	06-16, 10-25
1126CB	13-1023.00	SUBCONTRACT ADMINISTRATOR	*CB	CB	07-22
1127CB	13-1023.00	SUBCONTRACT ADMINISTRATOR ASSOC.	*CB	CB	07-22
0553	51-8012.00	SUBSTATION OPERATOR	8000	TB	
0366	43-5061.00	SUPERCARGO (Water Trans)	4000	TB	
1106	49-2094.00	SUPERVISORY CONTROL&DATA ACQ TEC	8000	TB	05-20
0478	51-9021.00	SURFACE-PLATE FINISHER	4000	TB	
2025HY	49-9062.00	SURGICAL INSTRUMENT REPAIR SPECIALIST	4008-6260	HY	14-13
1051CB	29-2055.00	SURGICAL TECHNOLOGIST (Alternate Title: Operating Room Specialist)	*CB	CB	03-12, 11-06
0551	17-3031.01	SURVEYOR ASSISTANT INSTRUMENT	4000	TB	89-04, 14-24
1069CB	49-9093.00	SURVIVAL EQUIPMENT (Parachute Repair) (Military Only)	*CB	CB	04-19
0838	37-2011.00	SWIMMING-POOL SERVICER	4000	TB	78-06
0801	51-8012.00	SWITCHBOARD OPERATOR (Utility)	6000	TB	
0558	47-2221.00	TANK SETTER (Petrol Prod)	4000	TB	
0559	51-4111.00	TAP AND DIE MAKER TECHNICIAN	8000	TB	
0561	47-2082.00	TAPER (Alternate Title: Drywall Finisher)	4000	TB	
0560	49-2097.00	TAPE-RECORDER REPAIRER	8000	TB	
0562	27-1012.00	TAXIDERMIST (Profess & Kin)	6000	TB	
0657	25-9041.00	TEACHER AIDE I	4000	TB	94-01
2075	41-4011.00	TECHNICAL SALES REPRESENTATIVE	2000	TB	19-13
0552	49-2022.00	TECHNICIAN, SUBMARINE CABLE	4000	TB	
2030CL	49-2021.00	TELECOMMUNICATION TOWER TECHNICIAN	*CB	CB	14-21
0618	49-2022.00	TELECOMMUNICATIONS TECHNICIAN (Alternate Title: Broadband Technician)	8000	TB	91-11, 12-23, 14-20
2054CB	49-2021.01	TELECOMMUNICATIONS TOWER ANTENNA & LINE FOREMAN	*CB	CB	17-23
2055CB	49-2021.01	TELECOMMUNICATIONS TOWER ANTENNA & LINE LEAD	*CB	CB	17-23
2052CB	49-2021.01	TELECOMMUNICATIONS TOWER CONSTRUCTION FOREMAN	*CB	CB	17-23
2053CB	49-2021.01	TELECOMMUNICATIONS TOWER CONSTRUCTION LEAD	*CB	CB	17-23
1002	43-5031.00	TELECOMMUNICATOR	8000	TB	86-17
0951	43-9022.00	TELEGRAPHIC-TYPEWRITER OPER	6000	TB	
0565	49-2097.00	TELEVISION & RADIO REP	8000	TB	
1055	43-3071.00	TELLER (Financial)	2000	TB	03-22
0567	51-4062.00	TEMPLATE MAKER	8000	TB	
0123	51-4062.00	TEMPLATE MAKER, EXTRUSION DIE	8000	TB	
0771R2	47-2111.00	TEMPORARY SERVICES ELECTRICIAN (Existing Title: Electrician [Ship and Boat]) (Military Only)	5760	TB	16-08
0412R1	47-2152.01	TEMPORARY SERVICES PIPEFITTER (Existing Title: Pipe Fitting and/or Plumbing) (Military Only)	5920	TB	16-08
0972	47-2053.00	TERRAZZO FINISHER	4000	TB	81-13, 13-04
0972HY	47-2053.00	TERRAZZO FINISHER	3500-4000	HY	01-09, 16-29, 13-11

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0568R-HY	47-2053.00	TERRAZZO INSTALLER (Existing Title: Terrazzo Worker)	5200-8000	HY	13-11
0568HY	47-2053.00	TERRAZZO WORKER	4500-8000	HY	01-09, 16-29, 19-01
0568	47-2053.00	TERRAZZO WORKER (Alternate Title: Terrazzo Installer)	8000	TB	13-04, 13-11, 16-29, 19-01
0482	19-4041.02	TEST ENGINE OPERATOR	4000	TB	
0190	17-3021.00	TEST EQUIPMENT MECHANIC	10000	TB	
0483	51-4041.00	TEST TECH (Profess & Kin)	10000	TB	
0956	19-4041.02	TESTER (Petrol Refin)	6000	TB	77-09
0572	51-9061.00	TESTING & REGULATING TECHNICIAN	8000	TB	
0489	51-9061.00	THERMOMETER TESTER	2000	TB	
0971	47-3011.00	TILE FINISHER	4000	TB	81-13, 13-04, 16-29, 19-01
0971HY	47-3011.00	TILE FINISHER	3500-4000	HY	01-09, 13-04, 16-29, 19-01
0573	47-2044.00	TILE SETTER	6000	TB	13-04, 16-29, 19-01
0573HY	47-2044.00	TILE SETTER	4500-8000	HY	01-09, 13-04
0069HY	47-2031.02	TIMBER FRAMER (Existing Title: Carpenter, Rough)	5000-7000	HY	08-17
0575	51-9023.00	TINTER (Paint & Varnish)	4000	TB	
**0636R	51-9061.00	TOOL & DIE MAKING (INSPEC, SET UP & LAY-OUT)	7328	TB	
0586	51-4111.00	TOOL AND DIE MAKER	8000	TB	09-14
0586R	51-4111.00	TOOL AND DIE MAKER	7328	TB	15-03
**0586R-CL	51-4111.00	TOOL AND DIE MAKER (DIE MANUFACTURER)	*CB	CB	10-23
0205	51-4061.00	TOOL BUILDER	8000	TB	
**0580R	17-2141.00	TOOL DESIGN	7328	TB	15-03
0587	17-3027.00	TOOL DESIGN CHECKER	8000	TB	
0580	17-2141.00	TOOL DESIGNER	8000	TB	
0582	51-4194.00	TOOL GRINDER I	6000	TB	
0765	51-4194.00	TOOL GRINDER OPERATOR	8000	TB	
0588	51-4081.00	TOOL MACHINE SET-UP OPERATOR	6000	TB	
**0584R	51-4111.00	TOOL MAKER	7328	TB	17-16
0584	51-4111.00	TOOL MAKER	8000	TB	
0585	51-4111.00	TOOL MAKER, BENCH	8000	TB	
0690	51-4012.00	TOOL PROGRAMMER, NUMERICAL	6000	TB	95-04
0589	49-3031.00	TRACTOR MECHANIC	8000	TB	
2067HY	47-4099.00	TRADESHOW WORKER	2528-4618	HY	18-22
0590	49-2092.00	TRANSFORMER REPAIRER	8000	TB	
0124CB	49-3031.00	TRANSIT BUS TECHNICIAN	*CB	CB	18-55
2034CB	53-3021.00	TRANSIT COACH OPERATOR (Existing Title: Coach Operator)	*CB	CB	18-56
0174HY	47-4021.00	TRANSIT ELEVATOR-ESCALATOR MAINTENANCE TECH	2000-2400	HY	19-25
0174R	47-4021.00	TRANSIT ELEVATOR-ESCALATOR MAINTENANCE TECH	6399	TB	14-04
0642R-HY	49-3043.00	TRANSIT RAIL VEHICLE MAINTENANCE TECHNICIAN	5400-7000	HY	13-21

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0282CB	49-9052.00	TRANSMISSION LINE WORKER (Existing Title: Line-Installer Repairer)	*CB	CB	18-57
0592	49-3023.01	TRANSMISSION MECHANIC	4000	TB	
0655	43-5011.00	TRANSPORTATION CLERK (Alternate Title: Transportation Management Coordinator)	3000	TB	93-15, 11-06
0847	49-9041.00	TREATMENT PLANT MECHANIC	6000	TB	
0595	37-3013.00	TREE SURGEON	6000	TB	
0607	37-3013.00	TREE TRIMMER (Line Clear)	4000	TB	90-17
0805	51-9061.00	TROUBLE LOCATOR TEST DESK	4000	TB	
0858	49-9051.00	TROUBLE SHOOTER II	6000	TB	
0598	49-3021.00	TRUCK BODY BUILDER	8000	TB	
0014	53-7021.00	TRUCK CRANE OPERATOR (Alternate Title: Crane Operator)	6000	TB	11-06
0980	53-3032.00	TRUCK DRIVER, HEAVY	2000	TB	18-34
0980HY	53-3032.00	TRUCK DRIVER, HEAVY (Alternate Title: Motor Transport Operator)	3000-4560	HY	06-25, 11-06, 07-02, 18-35
0680	47-2061.00	TUCKPOINTER, CLEANER, CAULKER	6000	TB	95-07
1004	29-2071.00	TUMOR REGISTRAR	4000	TB	87-02
0600	49-3023.02	TUNE-UP MECHANIC	4000	TB	
0601	51-8013.00	TURBINE OPERATOR	8000	TB	
1021	51-4034.00	TURRET LATHE SET-UP OPERATOR	8000	TB	
1034	49-3023.02	UNDERCAR SPECIALIST (Alternate Title: Automotive Tech Specialist )	4000	TB	99-18
0097	51-6093.00	UPHOLSTERER	4000	TB	
0606	51-6093.00	UPHOLSTERER, INSIDE	6000	TB	
0412R	47-2152.01	UTILITIES SYSTEMS REPAIR OPERATOR (DRY DOCKS) (Existing Title: Pipe Fitter (Ship and Boat))(Military Only)	5920	TB	16-08
2041HY	47-4011.00	UTILITY LOCATOR/LOCATOR TECHNICIAN	2000-4000	HY	16-13
1112CB	31-9096.00	VETERINARY/LAB ANIMAL TECH (Alternate Title: Animal Care Specialist)	*CB	CB	06-23, 11-06
0492	51-7011.00	VIOLIN MAKER, HAND	8000	TB	
1070CB	49-2094.00	VISUAL IMAGERY INTRUSION DETECTION SYSTEMS (Military Only)	*CB	CB	04-19
0612	51-5112.00	WALLPAPER PRINTER I	8000	TB	
0494	39-3092.00	WARDROBE SUPERVISOR	4000	TB	81-16
0614	51-8031.00	WASTE TREATMENT OPERATOR	4000	TB	
0507R	51-8031.00	WASTEWATER SYSTEMS OPERATOR	3520	TB	13-01
0507	51-8031.00	WASTEWATER-TREATMENT- PLANT OPERATOR (Alternate Title: Water Treatment Specialist )	4000	TB	11-06
0616	49-9064.00	WATCH REPAIRER	8000	TB	
0619	51-8031.00	WATER TREATMENT PLANT OPERATOR	6000	TB	75-13, 13-01
0001	19-4099.00	WEATHER OBSERVER-METERO TECH	4000	TB	80-15
0667	51-5112.00	WEB-PRESS OPERATOR	8000	TB	
0622R	51-4121.02	WELDER (Existing Title: Welder, Combination) (Military Only)	5920	TB	16-08
0620	51-4121.06	WELDER, ARC	8000	TB	
0622	51-4121.06	WELDER, COMBINATION	6000	TB	
0622CB	51-4121.06	WELDER, COMBINATION	*CB	CB	18-19
0627	51-4121.06	WELDER-FITTER	8000	TB	
**0622R	51-4121.06	WELDING (Existing Title: Welder, Combination)	7328	TB	15-03, 17-16

## The Office of Apprenticeship (OA) List of Officially Recognized Occupations

RAPIDS CODE	O*NET-SOC CODE	OCCUPATION TITLE	TERM	TYPE OF TRAINING	BULLETIN(S)
0945	51-4122.00	WELDING MACHINE OPERATOR, ARC	6000	TB	
0498	17-3029.00	WELDING TECHNICIAN	8000	TB	
0629	47-5021.00	WELL DRILL OPERATOR (Const)	8000	TB	
2016HY	21-1094.00	WELLNESS COACH	2000	HY	13-13
0544HY	33-2011.02	WILDLAND FIRE FIGHTER SPECIALIST	3000	HY	16-22
0357	49-9063.00	WIND INSTRUMENT REPAIRER	8000	TB	
0499	17-3021.00	WIND TUNNEL MECHANIC	8000	TB	
2000HY	49-9081.00	WIND TURBINE TECHNICIAN	4000-6000	HY	10-12
0034	11-3051.00	WINE MAKER (Vinous Liquor)	4000	TB	
0501	51-9032.00	WIRE SAWYER (Stonework)	4000	TB	
0504	51-6063.00	WIRE WEAVER, CLOTH	8000	TB	
2038CB	49-2021.01	WIRELESS TECHNICIAN	*CB	CB	17-02
0633	51-2022.00	WIRER (Office Machines)	4000	TB	
0505	51-7042.00	WOOD TURNING LATHE OPERATOR	2000	TB	
2043	13-1151.00	WORKFORCE DEVELOPMENT ANALYST	2000	TB	16-10
2042	13-1151.00	WORKFORCE DEVELOPMENT SPECIALIST	2000	TB	16-10
2023	33-3051.01	WORKING DOG HANDLER	2500	TB	14-05
0919	51-9061.00	X-RAY EQUIPMENT TESTER	4000	TB	
1039HY	13-1071.00	YOUTH DEVELOPMENT PRACTITIONER	3000-4000	HY	01-01, 04-13
<b>**All Occupations with 7328 term are in manufacturing.</b>					
<b>*CB Occupations do not have specific hours for the on-the-job learning term (but must last at least 1 year per 29 CFR 29.4).</b>					



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