My Next Move: "I'll Know it When I See It"

Explore Careers through Available Industries

Figure 1

Overview

The Federal Government has made available a career exploration tool to connect users to their interests and career goals. The online system is very diverse and has multiple tools and access points to explore. We will use these tools to explore, or browse, careers by industry. Through this, users can make a broad analysis of available occupations and understand how a collection of jobs and careers fit within an industry and how a person's career will fit into the industry.

Basic Overview of the Career Browsing System

Use the "I'll Know It When I See It" option. From here, users will have access to the O-Net Industry analysis. Use this tool to help you find out what careers fit into what industries. Additionally, this can help users understand what others are doing, careers are most popular, and skills and requirements are most common in these industries. From the Homepage, find the "Browse Careers by Industry" option (Figure 2). From here, select the arrow and find the Industry Listing (see Figure 3). Let's use "Finance & Insurance" as our industry to examine. Select "Finance & Insurance" and then select "Browse" at the bottom of the screen.
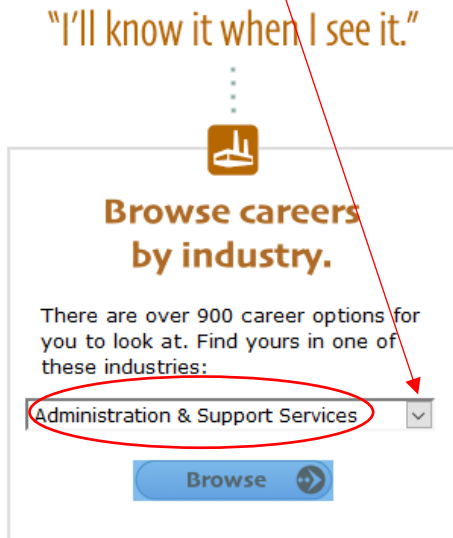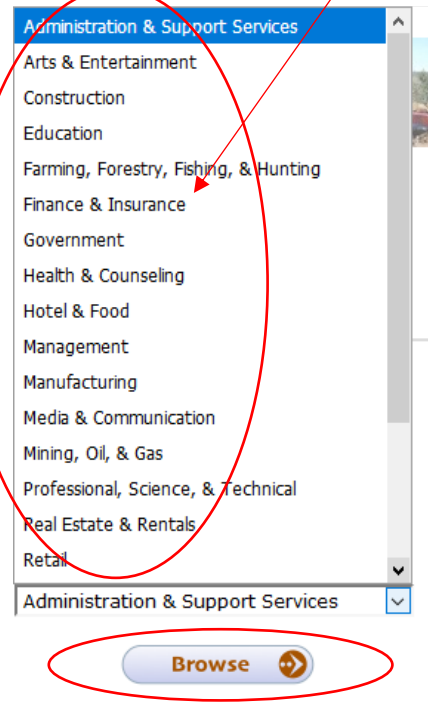

FIGURE 2

FIGURE 3

Browsing Industry Careers

1. Here, users can explore industries as a whole, what careers do most people in this industry work in, what are some other careers available in the industry.

Figure 4

- BrightOutlook   - Green   - Registred Apprenticeship

Remember that you can use BrightOulook (that shows which careers are on the rise or growing); Green (that shows which career are part of or support a green [or environmentally friendly] economy); and Registered Apprenticeship (that shows which careers have apprenticeship opportunities available for applicants).

2. Select "Actuaries" from the list of "Most People (in these careers work in finance and insurance)." This page should look familiar since we used it in the last tutorial, and, just like in the last tutorial, use this page to get an introduction to the occupation, requirements or minimum qualifications, job outlook, explore related careers, or take a deeper look into the occupation.

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Actuaries

Also called: Actuarial Analyst, Actuary, Pricing Actuary, Product Development Actuary

What they do:
Analyze statistical data, such as mortality, accident, sickness, disability, and retirement rates and construct probability tables to forecast risk and liability for payment of future benefits. May ascertain insurance rates required and cash reserves necessary to ensure payment of future benefits.

On the job, you would:
- Ascertain premium rates required and cash reserves and liabilities necessary to ensure payment of future benefits.
- Design, review and help administer insurance, annuity and pension plans, determining financial soundness and calculating premiums.
- Determine or help determine company policy, and explain complex technical matters to company executives, government officials, shareholders, policyholders, or the public.

KNOWLEDGE

Math and Science
- arithmetic, algebra, geometry, calculus, or statistics

Business
- accounting and economics
- management

Arts and Humanities
- English language

Engineering and Technology
- computers and electronics

SKILLS

Basic Skills
- thinking about the pros and cons of different ways to solve a problem
- using math to solve problems

People and Technology Systems
- thinking about the pros and cons of different options and picking the best one
- measuring how well a system is working and how to improve it

Problem Solving
- noticing a problem and figuring out the best way to solve it

ABILITIES

Math
- choose the right type of math to solve a problem
- add, subtract, multiply, or divide

Verbal
- listen and understand what people say
- read and understand what is written

Ideas and Logic
- use rules to solve problems
- make general rules or come up with answers from lots of detailed information

PERSONALITY

People interested in this work like activities that include **data, detail,** and regular routines.

They do well at jobs that need:
- **Analytical Thinking**
- **Attention to Detail**
- **Integrity**
- **Achievement/Effort**
- **Dependability**
- **Persistence**

TECHNOLOGY

You might use software like this on the job:

Financial analysis software
- GGY AXIS
- Oak Mountain Software AnnuityValue

Analytical or scientific software
- IBM SPSS Statistics 🔥
- SAS 🔥

Data base user interface and query software
- Microsoft Access 🔥
- Structured query language SQL 🔥

EDUCATION

🎓🎓🎓🎓

bachelor's degree or certificate after college usually needed

Get started on your career:

[Find Training] [Find Certifications]

[Find Licenses]

JOB OUTLOOK

☀ **Bright**   New job opportunities are **very likely** in the future.

SALARY: **$101,560**

$59,950 — $184,770

[Check out my state] [Local Salary Info]

[Find Jobs]

EXPLORE MORE

- Accountants
- Biostatisticians
- Logistics Analysts
- Regulatory Affairs Specialists
- Risk Management Specialists

You might like a career in one of these industries:
- Finance & Insurance
- Professional, Science, & Technical

See more details at O*NET OnLine about actuaries.

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3. In the "Technology" section, users can identify technology that is considered "Hot" (see the flame to the right) or popular and commonly used in the industry or career right now.

4. Using the "Explore More" option, look through some of the careers in this industry or related industries. Select "Professional, Science & Technical" and see what careers are there.

Using this industry analysis, we hope users have found some careers of interest. Continuing to use the tools available, explore careers and industries, identify current opportunities, and plan for the future based on outlook, growth, and local, environmental, or statewide impact or availability.