

Occupations in Natural Resource Science

- > Fish and Game Officer
- > Fish Hatchery Manager
- > Forest Worker
- > Outfitter/Guide
- > Park Manager
- > Water Technician
- > Wildlife Firefighter
- > Wildlife Officer

Utah Agricultural Facts

- Utah State Parks was named among the top three state park systems in the nation for excellence in partnerships, planning, management, preservation, and technological information.¹
- Last year, nearly 5 million people visited Utah's 43 state parks and museums.¹
- In 2007, Utah saw its greatest oil production in more than a decade, with more than 19.5 million barrels of oil produced.¹
- Utah has a wealth of natural resources, which includes five national parks, seven national monuments, seven national forests, two national recreation areas, 45 state parks, and millions of acres of Bureau of Land Management (BLM)-administered deserts and range land.
- Utah utilizes grazing allotments on public (BLM) land to support its range cattle industry.²

¹ Utah Department of Natural Resources, Annual Report
² Bureau of Land Management

Break free of the traditions and barriers that limit your choices.
What's stopping you? Be different! Try something new!
Is a nontraditional career in your future?

Talk to your school counselor
about a nontraditional career in natural resources.

www.UtahCTE.org



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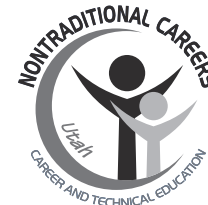
Natural Resource Science

A NONTRADITIONAL CAREER PATH FOR WOMEN



Break free of the barriers that limit your career choices.

AGRICULTURAL EDUCATION



Nontraditional Careers

Did you know a nontraditional career is any occupation in which women or men comprise 25 percent or less of its total employment?

Women in nontraditional occupations earn more money than those in female-oriented fields.

Choosing a nontraditional career path can mean:

- > Greater job satisfaction.
- > Higher wages and better benefits.
- > Great advancement opportunities.
- > Economic self-sufficiency.
- > Broader job opportunities.
- > Freedom to pursue a career related to your interests and abilities.

BREAK with tradition and explore a nontraditional career!

Natural Resource Science as a Career

Individuals working in the area of natural resources work to preserve and protect the environment. In Utah, the Department of Natural Resources is composed of the following seven divisions:

- > Division of Forestry, Fire and State Lands
- > Division of Oil, Gas and Mining
- > Division of State Parks and Recreation
- > Division of Water Resources
- > Division of Water Rights
- > Division of Wildlife Resources
- > Utah Geological Survey

CTE Pathways

High school is a great time to try out a wide range of Career Pathways by enrolling in Career and Technical Education (CTE) courses. As an added bonus, you will be developing work-related skills that can be put to immediate and profitable use.

CTE provides courses and Pathways consistent with industry training and certification, thus providing depth and meaning for both visual and hands-on learning and education that can be applied in today's job market.

Through participation in CTE, Agricultural Education can guide you as you take courses in the Natural Resource Science Pathway.

By taking Agricultural Education courses, you will learn to value and understand the vital role of agriculture, food, fiber, and natural resources systems in advancing personal and global well-being. You will also gain an important foundation of knowledge and skills necessary for continuing your education in agriculture.

Employment

The Department of Natural Resources, which employs over 1,500, is one of Utah's largest state agencies.¹ The department manages and protects our state's natural resources. From state parks and recreation to oil, gas and mining; from wildlife resources to water rights and resources; from forestry, fire and state lands to geological survey, the people who work in these divisions work tirelessly to preserve and protect Utah's pristine natural resources.

Working Conditions

Occupations in the field of natural resources involve being outdoors, with employees working variable schedules. Each job requires a great deal of physical stamina and involves many strenuous activities. Employees work independently, setting their daily tasks and goals without consulting a supervisor. The decisions made on the job are critical, as they affect not only wildlife populations but the health and safety of the public.

Women make up 22.2 percent of the people working in farming, fishing, and forestry occupations.²

Outlook

Utah's natural resources are vast and will need to be protected, conserved, and used wisely today, tomorrow, and throughout the decades. Those who have the education, knowledge and skills to protect these valuable resources will be in demand.

Students enrolled in high school agricultural courses are looking to join a \$1.5-billion industry in Utah and a \$300-billion industry nationwide.³

UtahFutures

Log on to UtahFutures.org to learn more about a career in Natural Resource Science. From the home page, click on the "occupations" option to find an occupation that interests you and link to the description for that occupation. (Refer to the sample list of occupations on the back of this page.) Check out employment opportunities, working conditions, outlook, skills and abilities, and wages for your selected occupation.

Is a nontraditional career in your future?

¹ Utah Department of Natural Resources, Annual Report

² American Community Survey

³ 2009 Utah Department of Agriculture and Food Annual Report