

Occupations in Animal Science

- > Agricultural Education Teacher
- > Animal Geneticist
- > Animal Nutritionist
- > Animal Scientist
- > Animal Technician
- > Aquaculturalist
- > Feed Sales Representative
- > Herdsman
- > Livestock Inspector
- > Veterinarian
- > Veterinary Technician

Utah Agricultural Facts

- 98 percent of American farms are family-owned and -operated farms.¹
- 71 percent of the state's cash receipts come from the combined total of all live-stock and livestock products, including sheep and wool, cattle, milk, eggs, hogs, and other products.¹
- 33 percent of Utah's cash receipts come from meat sales (beef, hog, and sheep).¹
- Large animal veterinarians have proven both valuable and rare for Utah agriculture.²
- Farms are found in every one of Utah's 29 counties.³
- Nationally, Utah ranks second in mink, sixth in sheep, and fifteenth in trout production.¹
- Utah ranks 37th in the nation for total cash receipts, totaling \$1,339,679.⁴

¹ Utah Department of Agriculture Farm and Food Facts

² Utah Farm Bureau News, March 2009

³ Utah Department of Workforce Services, Workforce News, June 2010

⁴ Farm Bureau Food and Farm Facts

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?

Animal Science

A NONTRADITIONAL CAREER PATH FOR WOMEN



Talk to your school counselor
about a nontraditional career in animal science.

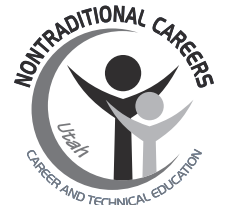
Break free of the barriers that limit your career choices.

www.UtahCTE.org



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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!

Animal Science as a Career

Animal scientists work to develop better, more efficient ways of producing and processing meat, poultry, eggs, and milk. Dairy scientists, poultry scientists, animal breeders, and other scientists in related fields study the genetics, nutrition, reproduction, growth, and development of domestic farm animals. Some animal scientists inspect and grade livestock food products, purchase livestock, or work in technical sales or marketing.

As extension agents or consultants, animal scientists advise agricultural producers on how to upgrade animal housing facilities properly, lower mortality rates, handle waste matter, or increase production of animal products such as milk or eggs.

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 Production/Processing Animal 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

Twenty-one million people (or 18.5 percent of the American workforce) are employed in the agricultural industry. Farmers and ranchers provide food and habitat for 75 percent of the nation's wildlife. One-fourth of the world's beef and one-fifth of the world's grain, milk, and eggs are produced in the United States.¹

In Utah, more than 100,000 people are employed by agriculture and agribusiness.² An entry-level position generally starts at an average hourly wage of \$12.20; increases in salary are based upon training, education, and experience.

Working Conditions

Agricultural scientists involved in management or basic research tend to work regular hours in offices and laboratories. The work environment for those engaged in applied research or product development varies, depending on the discipline of agricultural science and the type of employer. Animal scientists working for federal, state, or university research stations may spend part of their time at dairies, farrowing houses, feedlots, or farm animal facilities, or outdoors conducting research associated with livestock.

14 percent of principal farm operators are women.³

Outlook

Agriculture is a vital industry to Utah's economy. With more than 16,700 farms in the state, totaling over 11 million acres,³ Utah agriculturists produce crops and livestock worth over \$1.5 billion annually.⁴

Students enrolled in high school agricultural courses are looking to join a \$1.5-billion industry in Utah and a \$300-billion industry nationwide.⁴

UtahFutures

Log on to UtahFutures.org to learn more about Animal Science as a career. 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 in Animal Science 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 Agriculture Farm and Food Facts

² 2007 Census of Agriculture, United States Data

³ 2007 Census of Agriculture, Women Farmers

⁴ 2009 Utah Department of Agriculture and Food Annual Report