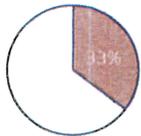


Career Readiness

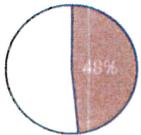
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U.S. EMPLOYERS



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Sources: Manpower Group. (2015) Talent shortage survey. Available from <http://www.manpowergroup.com/wps/wcm/connect/manpowergroup-en/home/through-leadership/research-insights/talent-shortage-2015>

National 4-H Council. (2015) 4-H career readiness framework: Growing a generation prepared to succeed in life & career. Chevy Chase, MD: No author.



GET INVOLVED with 4-H and FFA!



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EXTENSION 

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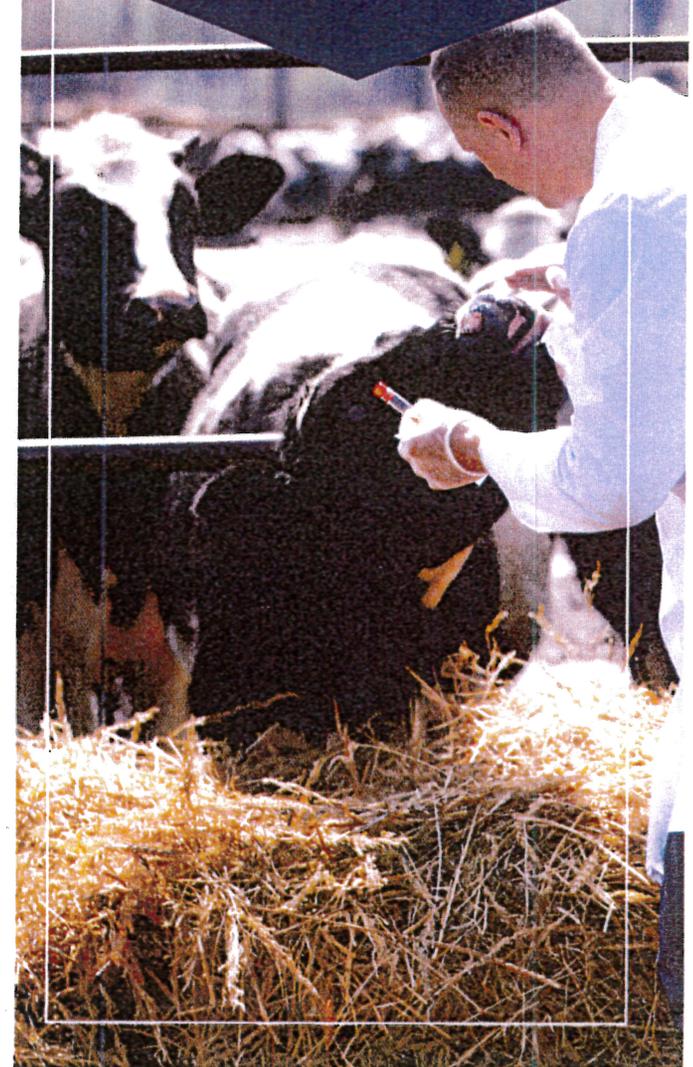
UtahStateUniversity

Aggieup.org

Utah State University is an affirmative action/equal opportunity institution.

ANIMAL, DAIRY AND VETERINARY SCIENCES (BS)

Biotechnology Emphasis





PROJECT AREAS



4-H and FFA give youth an opportunity to explore different career paths, learn and practice new skills, and experience what a career in a related field may be like. This is achieved by allowing youth to participate in a large assortment of project areas and contests. Listed below are some of the project areas and contests that apply to a career in Biotechnology:

4-H Projects

- Livestock Production
- Maker Clubs
- Animal Nutrition
- Animal Genetics

FFA Proficiency Areas

- Food Science and Technology
- Veterinary Science
- Animal and Crop Production
- Agriscience Research

4-H Contests

- Livestock Bowl
- Ag Demonstrations

FFA Contests

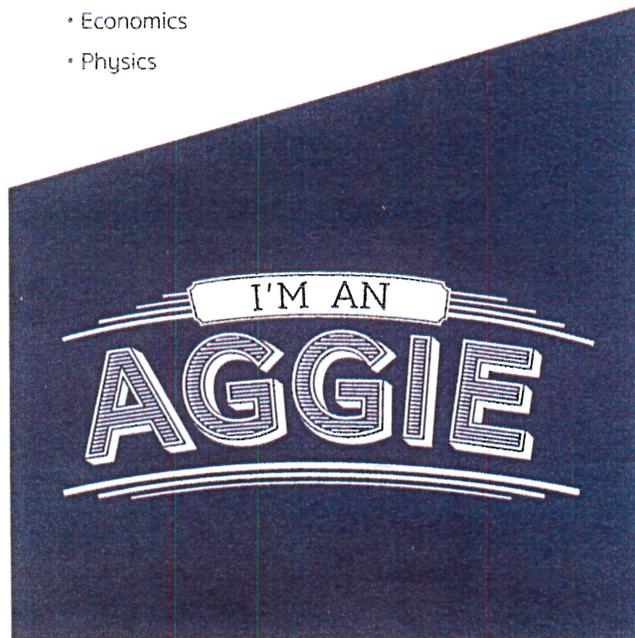
- Food Science and Technology
- Veterinary Science
- Agronomy
- Agricultural Issues Forum
- Agriscience Fair

Through involvement in these programs, youth are able to experience what a career may be like in the field of Biotechnology. Youth are able to explore the possibilities and learn skills that will benefit their future careers.

USU PROGRAMS

Utah State offers a great Animal, Dairy and Veterinary Science (ADVS) program. Students seeking a degree in the ADVS Department with an emphasis in Biotechnology Science will be taking courses in:

- Animal Science
- Animal Production
- Biology
- Statistics
- Chemistry
- Organic Chemistry
- Economics
- Physics
- Animal Anatomy and Physiology
- Animal Nutrition
- Animal Genetics and Breeding
- Animal Health and Hygiene



Source: catalog.usu.edu



Careers

An ADVS degree with an emphasis in Biotechnology will prepare you for a career in:

- Laboratory technical support
- Animal caretaking
- Scientific research
- Genetics and animal breeding
- Population genetics
- Molecular genetics
- Epigenetics
- Reproductive management
- Endocrinology
- Cloning
- Embryo technology
- Nutrition
- Feeding programs
- Nutrition/reproduction interactions
- Nutrition/health/immunity interactions
- Environmental physiology

Source: Animal, Dairy, and Veterinary Sciences BS. (n.d.). Retrieved May 24, 2016, from <http://www.usu.edu/degrees/index.cfm?id=156>



EXPLORE & LEARN



PRACTICE



EXPERIENCE

Career Readiness

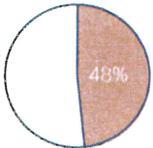
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ANIMAL, DAIRY AND VETERINARY SCIENCES (BS)

Bioveterinary Science





PROJECT AREAS



4-H and FFA give youth an opportunity to explore different career paths, learn and practice new skills, and experience what a career in a related field may be like. This is achieved by allowing youth to participate in a large assortment of project areas and contests. Listed below are some of the project areas and contests that apply to a career as a veterinarian:

4-H Projects

FFA Proficiency Areas

- Livestock Showmanship (Beef, Lambs, Goats, Hogs, Dairy)
- Livestock Market Class Show (Beef, Lambs, Goats, Hogs)
- Poultry Production
- Broiler and Turkey Show
- Horse Projects
- Dairy Production (Goat, Bucket Claf, Heifer/Cow Production)

- Veterinary Science
- Animal (Beef, Dairy, etc.) Production
- Equine Science
- Agriscience Research

4-H Contests

FFA Contests

- Livestock Judging
- Livestock Bowl
- Ag Demonstrations
- Horse Contests -Hippology, Judging, Horse Bowl, Horse Demonstration

- Veterinary Science
- Livestock, Horse, and Poultry Evaluation
- Dairy Evaluation & Management
- Agriscience Fair

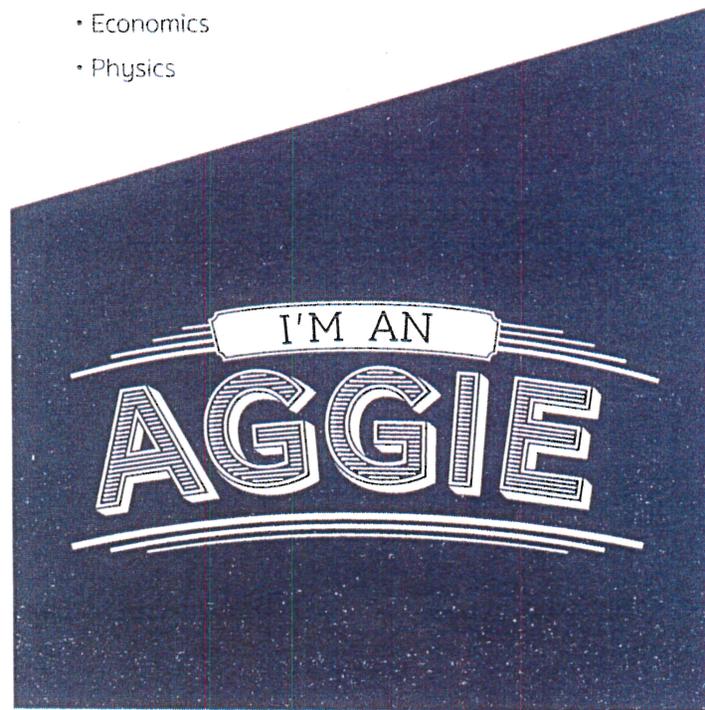
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- Animal Science
- Animal Production
- Biology
- Statistics
- Chemistry
- Organic Chemistry
- Economics
- Physics
- Animal Anatomy and Physiology
- Animal Nutrition
- Animal Genetics and Breeding
- Animal Health and Hygiene



Source: catalog.usu.edu



Careers

An ADVS degree with an emphasis in Bioveterinary Science will prepare you for a career in Veterinary Medicine. The Bioveterinary emphasis is mainly for those who are interested in pursuing a graduate degree or attending veterinary school.

- Veterinary medicine
- Laboratory technician
- Veterinary technician
- Genetics and animal breeding technician
- Artificial insemination / reproduction technician

Source: Animal, Dairy, and Veterinary Sciences, BS. (n.d.). Retrieved May 24, 2016, from <http://www.usu.edu/degrees/index.cfm?id=156>



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EXPERIENCE

Career Readiness

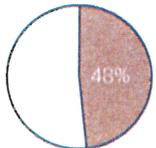
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AGRICULTURAL EDUCATION (BS)





PROJECT AREAS



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4-H Projects

- Livestock Production
- Livestock Showmanship
- Horse Production
- Makers

FFA Proficiency Areas

- Home and/or Community Development
- Animal (Beef, Dairy, etc.) and Crop Production
- Equine Science
- Agriscience Research

4-H Contests

- Livestock Bowl
- Livestock Judging
- Ag Demonstrations
- Horse Bowl
- Horse Demonstrations
- Public Speaking - Prepared and Impromptu

FFA Contests

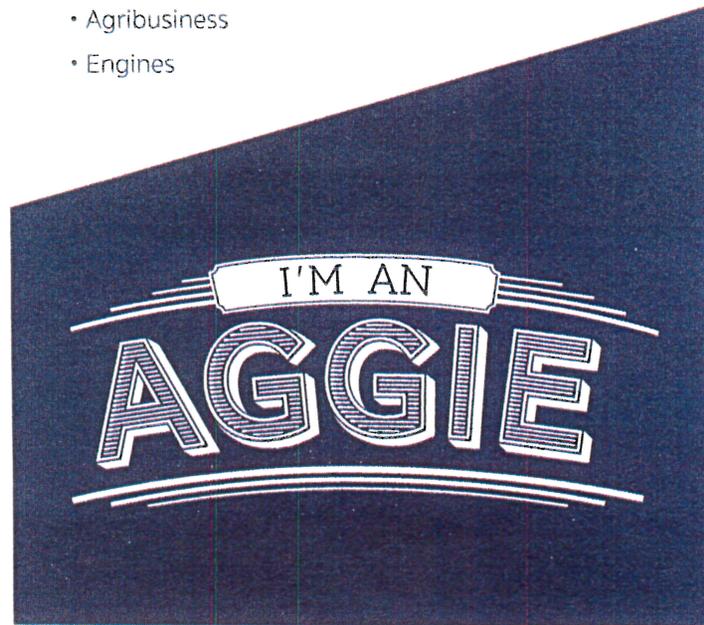
- Agricultural Communications
- Conduct of Chapter Meetings
- Creed Speaking
- Agricultural Issues Forum
- Public Speaking - Prepared and Extemp.
- Agriscience Fair

Through involvement in these programs, youth are able to experience what a career may be like in the field of Biotechnology. Youth are able to explore the possibilities and learn skills that will benefit their future careers.

USU PROGRAMS

Utah State offers the only Agricultural Education program in Utah. Students seeking a degree in Agricultural Education will be taking courses in:

- Animal Science
- Biology
- Chemistry
- Economics
- Education
- Animal Production
- Leadership
- Food Matters
- Agribusiness
- Engines
- Greenhouse Management
- Animal Genetics and Breeding
- Soil Science
- FFA Management
- Ag Structures
- Welding



Source: catalog.usu.edu



Careers

A degree in Agricultural Education will prepare you for a career as a...

- High school agriculture teacher
- Extension professional
- Ag literacy coordinator
- Agricultural education professor
- Farm business management instructor
- 2-year technical college agriculture instructor
- Adult agricultural education instructor
- Young farmer instructor

Source: Agricultural Education: BS. (n.d.). Retrieved May 24, 2016, from <http://www.usu.edu/degrees/index.cfm?id=75>



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