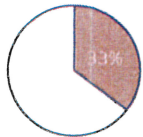


## Career Readiness

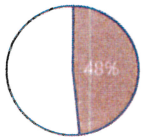
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Sources: Manpower Group. (2015). Talent shortage survey. Available from <http://www.manpowergroup.com/wps/wcm/connect/manpowergroup-en/home/through-leadership/research-insights/talent-shortage-2015>

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# GET INVOLVED with 4-H and FFA!



1. Identify your area of interest and match it with a 4-H project area or an FFA Supervised Agricultural Experience.
2. Contact your local Extension office to find a club in your area, or enroll in an agricultural education class at your school.
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[utah4h.org](http://utah4h.org)

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APPLIED SCIENCES

UtahStateUniversity

Aggieup.org

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## 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

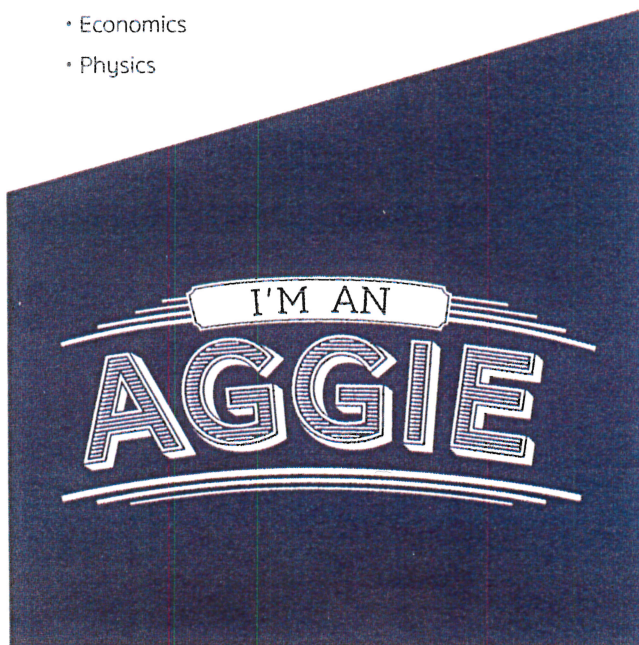
- Food Science and Technology
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- Agronomy
- Agricultural Issues Forum
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## USU PROGRAMS

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](http://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>



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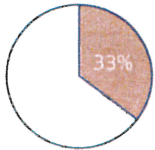


## Career Readiness

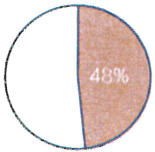
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# GET INVOLVED with 4-H and FFA!



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## ANIMAL, DAIRY AND VETERINARY SCIENCES (BS)

### Bioveterinary Science







## PROJECT AREAS



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### 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

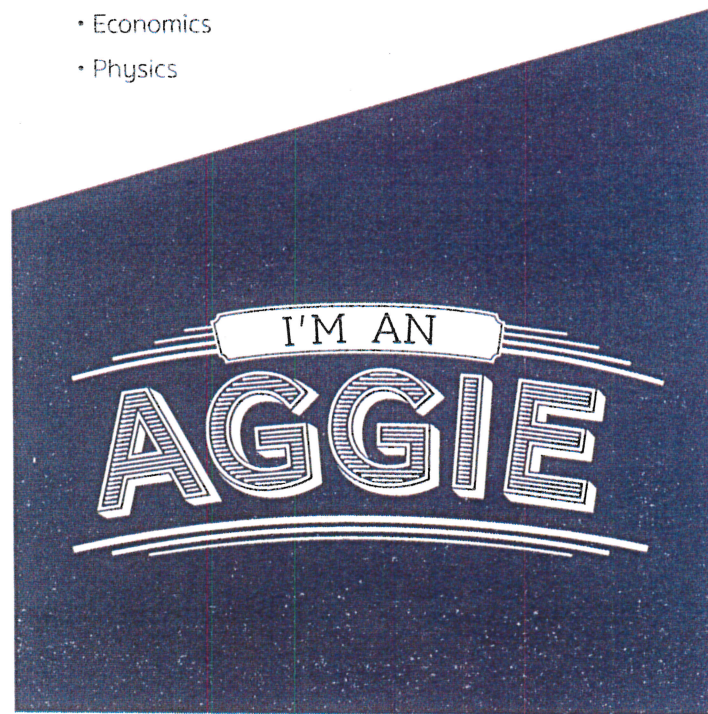
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## USU PROGRAMS

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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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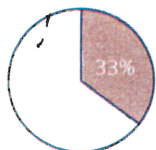


# Career Readiness

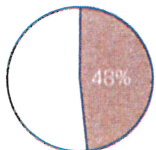
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## AGRICULTURAL EDUCATION (BS)







## 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

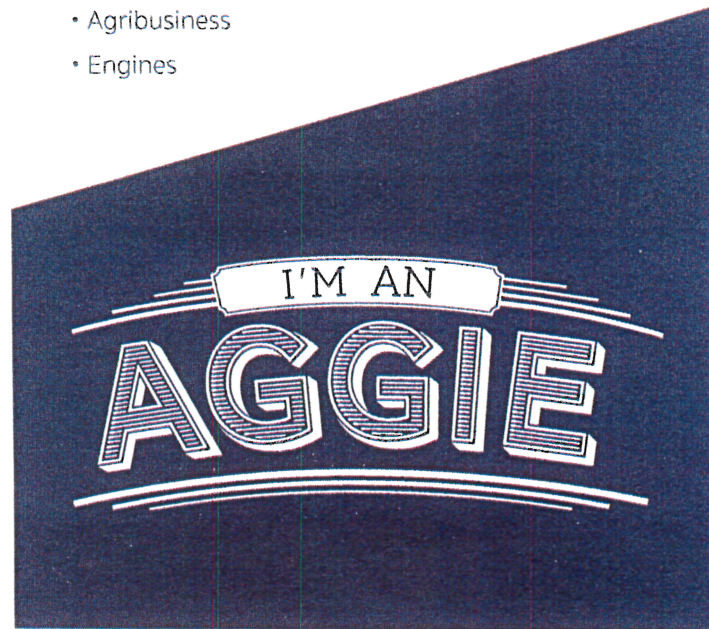
- Agricultural Communications
- Conduct of Chapter Meetings
- Creed Speaking
- Agricultural Issues Forum
- Public Speaking
  - Prepared and Extemp.
- Agriscience Fair

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## 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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