



CAREER PATH  
**Natural Resources Agriculture**

CAREER CLUSTER  
**Agriculture, Food and Natural Resources**

CAREER PATHWAY  
**Animal Systems**



## ANIMAL BREEDER

Breed animals, including cattle, goats, horses, sheep, swine, poultry, dogs, cats, or pet birds. Select and breed animals according to their genealogy, characteristics, and offspring. May require knowledge of artificial insemination techniques and equipment use. May involve keeping records on heats, birth intervals, or pedigree.

### Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as an animal breeder are reinforced by taking rigorous and relevant courses, as well as participating in work-based experiences and student organization activities.

*(See the Sample Personal Plan of Study for suggested coursework, activities, and knowledge and skills to pursue in preparation of an occupation in this Career Cluster.)*

### Education Requirements

Occupation	Percent of Missouri employees aged 25 to 44 in the occupation whose highest level of educational attainment is:		
	High School or Less	Some College	Bachelor Degree or More
Animal breeders	86.3%	9.7%	4.0%
Agricultural workers	79.8%	13.6%	6.6%
Farming, fishing, and forestry	76.8%	15.8%	7.4%

Most Common Educational Level: Work experience in a related occupation  
 Note: Be sure to learn whether your occupation has a specific requirement for education or licensing. Apprenticeships are available for more than 240 occupations. Visit [www.oe.doleta.gov/bat.cfm](http://www.oe.doleta.gov/bat.cfm)

### National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$10.05	\$12.78	\$19.07
	Yearly	\$20,900	\$26,600	\$39,700
Missouri	Hourly	\$9.20	\$10.96	\$19.64
	Yearly	\$19,100	\$22,800	\$40,900

Based on (\*) lower 25% and (\*\*) upper 25% percentile of wages

### National and State Employment Trends

Animal Breeder	Employment		Percent Change	Job Openings*
	2006	2016		
United States	10,500	11,000	+ 4%	300
Missouri	470	590	+ 25%	20

\*The estimate for Job Openings includes both turnover that results from people who leave the occupation (e.g. quit, retire, death) and new jobs that are created.

### Educational Opportunities

*Note: This list may not be all inclusive. For more information about Missouri schools and programs, visit [www.dhe.mo.gov](http://www.dhe.mo.gov)*

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