



UNIT 2

Careers in the Animal Science Industry



Scientists, Engineers, & Related Specialists

Perform research to improve the competitive position of agriculture in the US



Scientists, Engineers, & Related Specialists

1. Animal scientist, biochemist, entomologist, food scientist, geneticist, microbiologist
2. Agricultural engineer, environmental engineer, food engineer
3. Nutritionist, veterinarian
4. These workers do essential research and development that improves the competitive position of the US in world markets

<https://youtu.be/ktkXlyxMI4s?list=PL7B61381EE0438243>

<https://youtu.be/oMge9B94fzs>

Managers & Financial Specialists

Use human relation and communication skills to provide guidance within an agriculture business



Managers & Financial Specialists

1. Business manager, food service manager, retail manager, wholesale manager
2. Economist, financial analyst, credit analyst

Marketing, Merchandising, and Sales Representatives

Use communication and technology skills to trade agriculture products



Marketing, Merchandising, & Sales Representatives

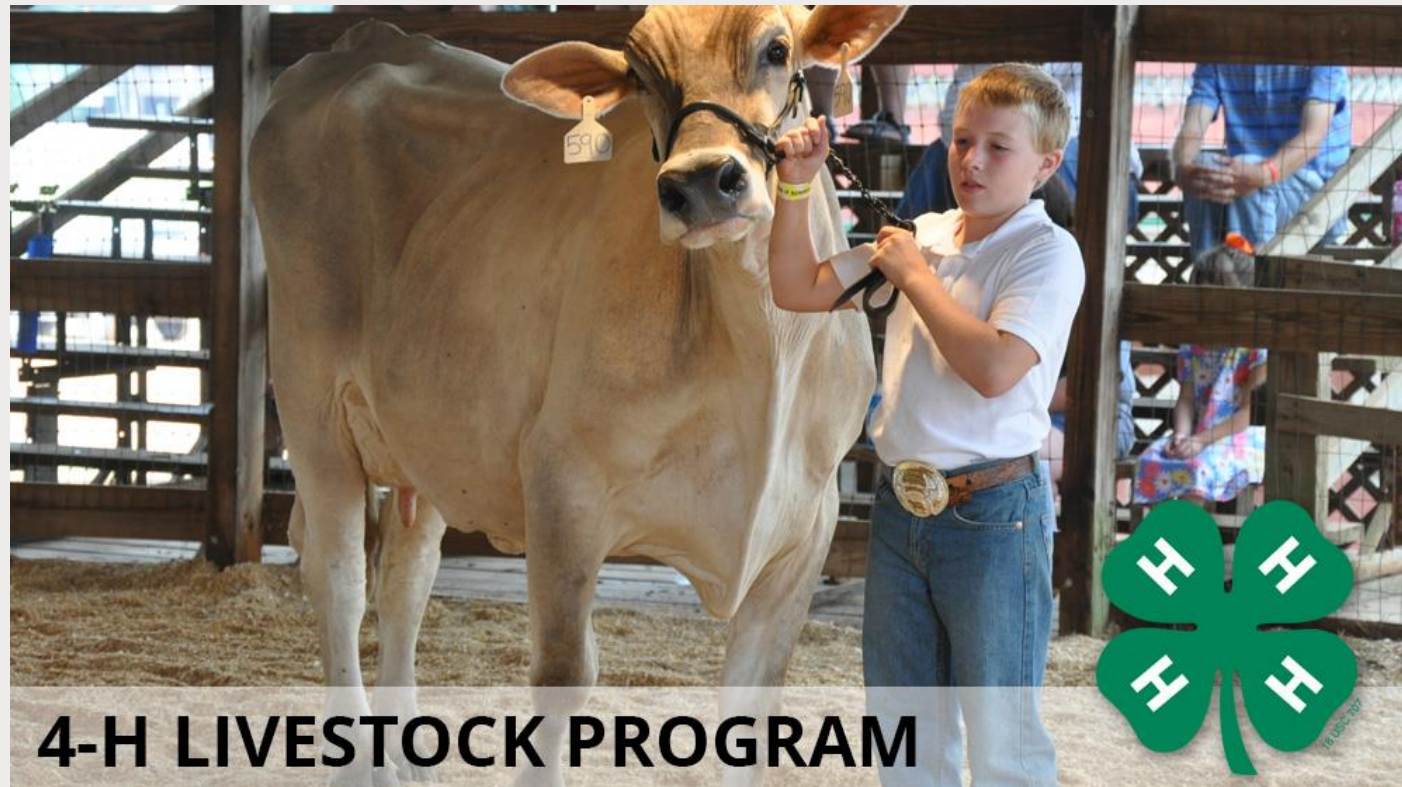
1. Marketing manager, livestock buyer, market analyst
2. Food broker, grain merchandiser
3. Sales representative, technical service representative
4. About one-third of the projected openings for college graduates with degrees in agriculture are from this category

<https://youtu.be/mo2ncG5KxRk>

<https://youtu.be/DzBvBFBhpjk>

Education, Communication, & Information Specialist

Use communication skills to share information about agriculture



4-H LIVESTOCK PROGRAM

Education, Communication, & Information Specialist

1. Agriculture education teacher, college faculty member, extension agent
2. Public relations specialist, reporter, editor

<https://youtu.be/1u1RhRCp7Nk?list=PL7B61381EE0438243>

<https://youtu.be/2KSbP-Gk5cs?list=PL7B61381EE0438243>

Social Services Professionals

Use communication skills and technical expertise to provide information about agriculture



Social Services Professionals

1. Dietician, nutrition counselor
2. Food inspector

<https://youtu.be/VNdMgcy4DME?list=PL7B61381EE0438243>

<https://youtu.be/mT-5sEDse3E?list=PL7B61381EE0438243>

Agricultural Production Specialist

Use technical skills to produce agriculture products



Agricultural Production Specialist

1. Farmer, rancher
2. Professional farm manager, feedlot manager

<https://youtu.be/qsarvXNZQ9M>

Three Steps in Choosing an Occupation

A. Self-Analysis - first step!

1. *Ability – capacity to perform*
2. *Talent – natural ability to do a job*
3. *Physical make-up – strength, stamina, health*
4. *Previous experience – work done in the past*
5. *Interests – things that hold one’s attention*
6. *Educational aspirations – how much education a person wants and can obtain*
7. *Attitude and values – how a person sees himself or herself*
8. *Flexibility – willing to change*
9. *Personality – how others see a person’s traits*

Three Steps in Choosing an Occupation

B. Study an Occupation – get information

- 1. Nature of the work – hours, location, conditions, skills, etc.*
- 2. Educational requirements – amount, licenses, special training*
- 3. Demand, pay, benefits, opportunity for promotion, job security*
- 4. The best way to learn more about an occupation is work experience*

Three Steps in Choosing an Occupation

C. Make a Decision – last step

1. *Match oneself with the best occupation for the person*
2. *Have second choice*
3. *Leave opportunities to change plans in the future*

Sources of Occupational Information

- A. Counselors and career development coordinators
- B. Agriculture education teachers
- C. Parents and relatives
- D. Persons working in specific jobs
- E. Dictionary of Occupational titles – provides descriptions of more than 20,000 jobs in the US
- F. Books and pamphlets
- G. Internet sites
- H. Work experiences

Educational Requirements

- A. Scientists and engineers usually require masters or doctoral college degrees
- B. About 85% of the jobs in agricultural marketing, merchandising, and sales representatives require baccalaureate degrees
- C. Most jobs that have laborer, helper, aide, attendant, or worker in the title only require a high school diploma