

AGRIBUSINESS SYSTEMS CAREERS

Description of Pathway:

Looking to make a connection between business and agriculture? This pathway might be for you. Agribusiness entails business operations and techniques used in the modern food and fiber industry across the nation.

Skills Needed:

- Technical competence
- Problem-solving skills
- Communication skills

Education Requirements:

- Associates or bachelors degree is needed for most careers

Career Examples:

Agricultural lobbyist, loan officer, journalist/editor, sales manager, supply chain manager, accounting manager, and sales manager

AGRICULTURAL PRODUCTION AND MECHANICS CAREERS

Description of Pathway:

Careers in this field are in-demand and high-skill. Most of these jobs are technical, requiring hands-on training or certification. As the U.S. agricultural and food system continues to become standardized, careers in this pathway are highly needed.

Skills Needed:

- Troubleshooting skills
- Operation and control skills
- Critical thinking skills
- Mechanical knowledge

Education Requirements:

- For most careers in this pathway a high school diploma is required in addition to an industry certification.

Career Examples:

Agricultural equipment operator, truck driver, welder, diesel mechanic, and civil engineer

ANIMAL SCIENCE CAREERS

Description of Pathway:

Do you love science or animals? This pathway includes highly skilled and high-wage careers in the animal industry. Opportunities in this industry can include work in academia, research, industry, government, and private corporations or farms.

Skills Needed:

- Basic math skills
- Animal and industry knowledge
- Data-analysis skills
- Technological skills

Education Requirements:

- Associates or bachelors degree is needed for most careers

Career Examples:

Veterinarian, animal nutritionist, farm/production manager, research specialist, horse trainer, animal scientist, lab technician, feed salesman, and breeding technician

ENVIRONMENTAL SCIENCES AND NATURAL RESOURCES CAREERS

Description of Pathway:

Are you interested in conserving our natural environment and resources? Careers in this field include a wide range of careers that include local, governmental, and agency work. Most careers in this pathway work to develop, maintain, and manage the natural environment.

Skills Needed:

- Communication skills
- Track field and lab data
- Organization skills
- Data-analyze skills

Education Requirements:

- Associates or bachelors degree is needed for most careers

Career Examples:

Forester, agriculture resource specialist, watershed manager, arborist, environmental engineer, wildlife manager, microbiologist, soil scientist, ecologist

FOOD SCIENCE CAREERS

Description of Pathway:

Did you ever see yourself work with food? This pathway includes a variety of careers in fields of research, teaching, nutrition, and regulatory affairs. Food science careers incorporate chemistry, microbiology, physics, engineering, math and other disciplines.

Skills Needed:

- Math and science skills
- Communication skills
- Data-analysis skills
- Critical-thinking skills

Education Requirements:

- Bachelors degree is needed for most careers

Career Examples:

Food scientist, milk inspector, quality assurance supervisor, food product developer, food marketing and sales, chef, and food chemist

PLANT SCIENCE CAREERS

Description of Pathway:

Interested in working with plants? The plant science pathway has opportunities across many fields to explore plant systems as they impact our environment, communities, and human well-being.

Skills Needed:

- Communication skills
- Plant and industry knowledge
- Record keeping skills
- Passion for the outdoors

Education Requirements:

- High school diploma, associates or bachelors degree is needed for most careers

Career Examples:

Floral designer, nursery manager, orchard manager, entomologist, crop advisor, beekeeper, custom applicator, turf manager, field technician, and landscape designer