

# Nelson Academy Pathways

Find your path in agriculture!



**All pathways are recommended course lists for a particular interest, but not are not a mandatory schedule. If you have questions about pathways or certifications please contact us.**

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***If you are not sure what path or career you are interested in we recommend first taking one of the following:***

Introduction to Agriculture

Agriculture Careers

Agricultural Leadership

In order to obtain a 10 course certification you must have an advising meeting prior to enrollment. Please contact us for more information or visit

[https://allagonline.com/  
certification\\_program](https://allagonline.com/certification_program)

## Animal Systems

If you enjoy working with and caring for animals of all sizes, you may find a match with an Animal Systems career. This pathway includes opportunities to work directly with animals or to work with products that come from animals. Scientists and technicians in Animal Systems careers treat diseased or injured livestock, companion and exotic animals and work to keep them healthy. They also study and research genetics, nutrition and the development of the animals they work with. Other Animal Systems careers develop more efficient ways of producing and processing meat, poultry, eggs and dairy products.

### **Prospective Careers (including, but not limited to):**

- Animal Biotechnologist
- Livestock Buyer
- Animal Physical Therapist
- Veterinarian
- Biosecurity Monitor
- Embryologist
- Farrier
- Certified Animal Behaviorist
- Equine Therapist
- Herd/Flock Manager
- Auctioneer
- Marketing Specialist

### **Courses Available: (We recommend starting with Introduction to Animal Science)**

Introduction to Animal Science

Beef Production

Swine Production

Sheep Production

Equine I

Equine II

Equine III

Veterinary Sciences I

Veterinary Sciences II

Agribusiness I

Agribusiness II

# Agribusiness Systems

Are you a natural leader? Do you enjoy coordinating people and activities to make sure things run smoothly? Careers in this pathway connect the business world with agriculture by determining how to effectively use resources for profit.

## **Prospective Careers (including, but not limited to):**

- Accountant
- Agricultural Lawyer
- Agricultural Loan Officer
- Agricultural Journalist
- Agricultural Lobbyist
- Communications Specialist
- Agricultural Corporate Recruiter
- Economist
- Grain Buyer
- Product Development Manager
- Sales Representative
- Warehouse Manager

## **Courses Available: (We recommend starting with Introduction to Animal Science or Crop Science)**

Introduction to Animal Science

Beef Production

Swine Production

Sheep Production

Crop Science

Veterinary Sciences I

Equine I

Agribusiness I

Agribusiness II

Farm Business Credit and Finance

Agricultural Leadership

Greenhouse Technology I

## Farm Business Systems

The Farm Business Management field encompasses activities that contribute to successful agriculture production. This can include crop production, farm equipment, seed supply, marketing, natural resources and animal services. People who work in this pathway typically enjoy working in teams and using high-tech tools to increase efficiency.

### **Prospective Careers (including, but not limited to):**

- Grain Elevator Manager
- Feed Mill Manager
- Agricultural Aviator
- Information Technology
- Supply Chain Management
- Farm Manager
- Herd/Flock Manager
- Mechanic
- Tree Farm Manager (Forestry)
- Farm Efficacy Consultant

### **Courses Available: (We recommend starting with Introduction to Animal Science or Crop Science)**

[Introduction to Animal Science](#)

[Beef Production](#)

[Swine Production](#)

[Sheep Production](#)

[Veterinary Sciences I](#)

[Veterinary Science II](#)

[Crop Science](#)

[Introduction to Farm Business Management](#)

[Farm Business Production Decisions](#)

[Farm Business Financial Planning](#)

[Farm Business Credit and Finance](#)

[Greenhouse Technology I](#)

[Greenhouse Technology II: Hydroponics](#)

## Plant Systems (Agronomy)

Plant Systems professionals help feed our growing population by monitoring the quality and safety of our food and helping consumers make sensible nutritional decisions. They also solve problems by developing crops that are resistant to insects and improve models to grow more food with less space. Others work to conserve our natural resources. Technology advancements in equipment and biotechnology keep this field evolving into new and exciting career opportunities.

### **Prospective Careers (including, but not limited to):**

- Grain Elevator Manager
- Feed Mill Manager
- Agricultural Aviator
- Information Technology
- Supply Chain Management
- Farm Manager
- Herd/Flock Manager
- Mechanic
- Tree Farm Manager (Forestry)
- Farm Efficacy Consultant

### **Courses Available: (We recommend starting with Plant Science)**

Plant Science

Crop Science

Greenhouse Technology I

Greenhouse Technology II: Hydroponics

Agribusiness I

Agribusiness II

Introduction to Farm Business Management

Farm Business Production Decisions

Farm Business Financial Planning

Farm Business Credit and Finance

Agriculture Biology **(COMING SOON!)**