



CareerClusters®
PATHWAYS TO COLLEGE & CAREER READINESS

Agriculture, Food & Natural Resources

Agribusiness Systems

The coordination of activities that contribute to the marketing, financing and development of agriculture. It is a high-tech industry using innovation to increase efficiency and profitability.

- Ag Commodity Sales Agents
- Farm Product Buyers and Purchasing Agents
- Financial Managers, Branch or Department
- Agricultural Sales Representatives

Animal Systems

People in this pathway develop more efficient ways of producing and processing meat, poultry, eggs and dairy products. They study genetics, nutrition, reproduction, and the development of farm animals.

- Animal Scientists
- Supervisors of Animal Care Workers
- Veterinarians
- Zoologists and Wildlife Biologists

Environmental Service Systems

Water and air pollution control, recycling, waste disposal and public health issues are concerns. Workers analyze scientific data, research environmental projects and develop quality control procedures.

- Environmental Compliance Inspectors
- Environmental Engineering Technicians
- Pest Control Workers
- Water and Wastewater Treatment Plant and Systems Operators

Natural Resources Systems

People working in this pathway develop, maintain, manage and protect the natural environment. This includes forest and rangelands, minerals, water and wildlife habitats.

- Fish and Game Wardens
- Forest and Conservation Workers
- Geological Data Technicians
- Soil and Water Conservationists

Food Products and Processing Systems

The discovery of new food sources and the processing, packaging and food storage based on industry and government regulations.

- Agricultural and Food Science Technicians
- Agricultural Scientists
- Food Scientists and Technologists
- Agricultural Products Graders and Sorters

Plant Systems

Helping producers of crops feed a growing population while conserving natural resources and maintaining the environment.

- Crop, Nursery and Greenhouse Farmworkers
- Foresters
- Lawn Service Managers
- Soil and Plant Scientists

Power, Structural and Technical Systems

The focus is on the knowledge of engineering, hydraulics, pneumatics, electronics, power, structures and controls. Workers design agricultural structures as well as machinery and equipment.

- Agricultural Engineers
- Agricultural Equipment Operators
- Farm Equipment Mechanics and Service Technicians
- Parts Managers



- What education do I need for this occupation?
- Where can I get the necessary education?
- What are the future employment opportunities?
- What wages are typical?



Visit www.RURReady.ND.gov to learn more about these and other occupations.



North Dakota Department of Career and Technical Education
600 East Boulevard Avenue - State Capitol, 15th Floor
Bismarck, ND 58505-0610 Phone (701) 328-3180
www.cte.nd.gov E-mail: cte@nd.gov