

 **Activity 1.2.2 Agriscience Careers and Me****Purpose**

Science and technology are instrumental for producing and processing of food, fiber, and renewable natural resources, and are the basis for many careers in agriculture. Studying agriscience careers may help you identify an agriscience career right for you and guide you to the appropriate training and experience necessary for a successful and rewarding career.

An estimated 300 different careers await you if you chose a profession in the field of agriculture. There is a need for approximately 400,000 people to fill positions in agriscience careers each year. Of those positions, there are typically only 100,000 filled by people who are educated and trained in agriscience. The remaining openings go to people who are trained in fields outside of agriculture. Openings in agriscience include areas such as mechanics, sales, genetic engineering, nutrition, and extension.

Materials**Per student:**

- Computer with Internet access
- Pencil
- *Agriscience Notebook*

In this activity, you will explore the career opportunities awaiting you in the fields of agriculture and natural resources. First, you will need to access the www.careerwise.minnstate.edu website.

Part One – Careers in Agriculture

1. Go to www.careerwise.minnstate.edu.
2. Select **Explore Careers** at the top left of the screen.
3. Under **Research Careers**, select **Career Clusters and Pathways**.
4. Click on **Career Clusters** and then select **Agriculture, Food, and Natural Resources** from the choices in the center.
5. Read the introductory paragraph and select **Pathways in this cluster**.
6. Within the AFNR cluster, you will see seven career pathways. Take some time to explore each pathway by clicking on the pathway. On *Activity 1.2.2 Student Worksheet*, record the following information for each pathway in Table 1.
 - Brief overview
 - Interesting careers
 - Education requirements

Conclusion

1. Which of the pathways reviewed in Part One interests you the most?

Animal systems

2. How did your interests relate to the careers and majors you selected?

I want to work with animals so I want to chose a career that will let me do that.

3. List three characteristics that make the careers you chose appealing to you.

They involve animals, the caretaking and then the training.

Activity 1.2.2 Student Worksheet

Table 1. Agriculture Pathways

Pathways	Overview	Careers	Education Requirements
Animal systems	There are occupations related to the raising and caring of animals and developing more efficient ways of producing and processing meat, poultry, eggs and dairy products.	Animal trainer Non-farm animal caretaker Veterinary Assistants	Highschool or less then 1 year in collage
Natural resources systems	These are occupations that develop, use, maintain, manage, and analyze natural resources.	Commercial Divers Fish and Game Wardens	Vocational training Associate degree
Plant systems	There are jobs that include growing food, feed, and fiber crops, and the study of plants and their growth to help producers meet consumer demand while conserving natural resources and maintaining the environment.	Landscaping and Groundskeeping Workers	Highschool or less