

 **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.mnscu.edu website.

Part One – Careers in Agriculture

1. Go to www.careerwise.mnscu.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

Part Two – Finding Your Interests

1. At the top menu, select **Assess Yourself**.
2. Next select **Take an Assessment**.
3. Select **Interest Assessment**.
4. Read the information about the Interest Assessment and then select **Get Started**.

5. Complete the Interest Assessment. When finished, record the Interest Profile Graph in Table 2.
6. Review the descriptions for your top three letters, and record how each of those letters describes you.
7. Select **Next** and enter the education level that interests you at this time.
8. Select **View careers and majors** and review the careers listed.
9. Find two to three careers that interest you and record in the first row of Table 3.
10. Select each career you have chosen and review the *Quick Facts* and links associated with the career. Note the items about the career that interest you in the second row of Table 3.
11. Select the **Majors** tab at the top of the screen. Review the Majors listed and find two or three that interest you and record in the first row of Table 4.
12. Click on each major you have chosen and review the links associated with the major. Record the items about the major that interest you in the second row of Table 4.
13. Insert a completed copy of *Activity 1.2.2 Student Worksheet* into clear plastic sheets in *Section I Careers* of your *Career Portfolio*.

Conclusion

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

child care worker

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

it worked really good

3. List three characteristics that make the careers you chose appealing to you. fun , involvement, and hard working

Activity 1.2.2 Student Worksheet

Table 1. Agriculture Pathways

Pathways	Overview	Careers	Education Requirements
argbuisssness	production, processing, marketing	Farm labor contractors	High School Diploma or GED
animal systems	poultry, eggs and dairy	Nonfarm Animal caretakers	High School Diploma or GED
Environmental service	recycling , waste disposal	Environmental Engineers	Bachelor's Degree (4 year)
Food products and processing	food sources, food content , and development	Agricultural and food service technicians	1-3 year
Natural resources	recreation, wildlife, conservation	Geoscientists	Advanced Degree (4+ year)
plant	fiber crops study of plants	pesticide chandeliers sprayers and applicators	less than 1 year
power structural and technical	pneumatics, electronics, power	mobile heavy equipment mechanics	1-3 years

Table 2. Interest Profile Results										
								R = Realistic	Total:	24
40								I = Investigative	Total:	17
30								A = Artistic	Total:	32
20								S = Social	Total:	34
10								E = Enterprising	Total:	20
0								C = Conventional	Total:	24
	R	I	A	S	E	C				
Top Letter:		S=social								
Second Letter:		A=Artistic								
Third Letter:		R+Realistic C=Conventional								

Table 3. My Career Options

actors	child care workers	personal care aides
wages: \$15.15/hour growth rate 0.9%	wages: \$12.28/hour growth rate 2.4%	growth rate: 36.4% Administer basic health care or medical treatments.

Table 4. My College Major Interests

Family and Consumer Sciences/Human Sciences Business Services	Health Aides/Attendants/Orderlies	: Teacher Education and Professional Development, Specific Subject Areas
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<p>Minnesota schools offer several different award levels for this major. The number of 2017-2018 graduates in the chart below were awarded the following degrees:</p>	<p>Health aides/attendants/orderlies programs prepare students to provide routine care and assistance to patients under the direct supervision of other health care professionals, and/or to perform routine maintenance and general assistance in health care facilities and laboratories.</p>	<p>Teacher education and professional development programs for specific subject areas prepare students to teach specific programs, like agriculture, business, reading, physics, and others, at various educational levels.</p>
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