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 SERVICE AREA: Agriculture, Food and Natural Resources



AGRICULTURE, FOOD AND NATURAL RESOURCES

Natural resources – including food, plants, animals and the environment – are a critical component of the world around us. According to the federal Bureau of Labor Statistics, this cluster includes nearly all farming, fishing and forestry occupations, as well as many opportunities in life, physical and social sciences. This is a growing field, with many of the occupations in this cluster typically requiring a high school diploma or equivalent, plus some additional on-the-job or specialized training. There are also some occupations that require two-year, four-year or graduate degrees.



PATHWAYS IN THIS CLUSTER...

- » Agribusiness Systems
- » Animal Systems
- » Environmental Service Systems
- » Food Products and Processing Systems
- » Natural Resources Systems
- » Plant Systems
- » Power, Structural, and Technical Systems



...LEAD TO OCCUPATIONS AS:

- » Agricultural Chemical Dealer
- » Agricultural Educator
- » Aquaculturalist
- » Bank/Loan Office
- » Botanist
- » Ecologist
- » Environmental Engineer
- » Equine Manager
- » Farm Manager
- » Fish and Game Officer
- » Meat Cutter-Meat Grader
- » Park Manager
- » Plant Pathologist
- » Produce Buyer
- » Recycling Technician
- » Veterinarian
- » Wildlife Manager



DIVE DEEPER INTO CAREER OPTIONS!

www.dbqschools.org/career-exploration
OR
login to Kuder Navigator
 (the Dubuque Community School District's career information system)

This page is meant to guide student course selection based on career interest and is not a comprehensive list of courses required for graduation from high school or for all 2-year and 4-year college-bound students.

- For comprehensive 4-year course recommendations, review pages 33-35.
- For comprehensive graduation requirements, review page 4.

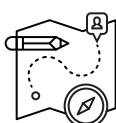


CHART YOUR COURSES

The following high school courses can help prepare you for success in this field after high school. Everyone will have a career – not everyone will go to college. Start charting your courses with CAREER TRAINING and proceed to 2-YEAR-DEGREE and 4-YEAR DEGREE based on your post-secondary plans.

CAREER TRAINING	
Recommended Courses:	
BUS111	Introduction to Business
BUS121	Computer Essentials
BUS441	Marketing & Sales/Advertising
SCI601	Iowa Biodiversity and Conservation
WBL300	Employability Skills with Job Shadowing
WBL401	Internship
Suggested Extension Courses:	
INT401	Engineering I
INT402	Engineering II
ISS131	Computer Science Principles I



2-YEAR DEGREE	
Recommended Courses:	
BUS311	Accounting I
BUS335	Entrepreneurship
ENG641	Composition I
ENG643	Public Speaking
MTH271/272	Algebra II
SCI603	Environmental Science with Lab
plus recommended CAREER TRAINING courses	
Suggested Extension Courses:	
ENG644	Composition II
SCI184	Chemistry
plus suggested CAREER TRAINING courses	



4-YEAR DEGREE +	
Recommended Courses:	
ENG644	Composition II
MTH361	Foundations of College Math
MTH362	Math for Liberal Arts
SCI184	Chemistry
SCI271/272	Anatomy/Physiology
plus recommended CAREER TRAINING and 2-YEAR DEGREE courses	
Suggested Extension Courses:	
MTH331/332	Pre-Calculus with Trigonometry
SCI531/532	AP Biology
SCI561/562	AP Chemistry
plus suggested CAREER TRAINING and 2-YEAR DEGREE courses	