CAREER PROGRAM OF STUDY



Career Cluster: AGRICULTURE, FOOD & NATURAL RESOURCES

Pathway: Food Products & Processing Systems; Plant Systems; Animal Systems; Power, Structural & Technical Systems; Natural Resources Systems; Environmental Service Systems; Agribusiness Systems

Student Name:	

Career Clusters identify pathways from high schools to two- and four-year technical colleges, universities, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

Knowledge and Skills Needed to Succeed in this Career Cluster: Academic Foundations, Safety, Health & Environmental, Leadership & Teamwork, Ethics & Legal Responsibilities, Employability & Career Development, and Technical Skills

		9 th Grade	10 th Grade	11 th Grade	12 th Grade	
¢		Core Courses				
English	S	English I English Prep 2 English Prep I	English II Basic Skills English English Prep 2 English Prep I	Adv. Comp. & Early Amer. Lit. American Literature Basic Skills English English Prep 2	AP English World Literature Adv. Comp. & Early Amer. Lit. Technical Writing Everyday English	
•	RSE	Schedule a Sophomore Individual Planning Conference with your Counselor				
Social	n c	U.S. History	World History	Modern American History (req.) Psychology Sociology Comparative Politics Modern Global Issues	AP American History Pop Culture Microeconomics Macroeconomics	
•	S	Schedule College Visits & College Entrance Exams for Junior Year				
Math	НІСН	Algebra I Extended Algebra Geometry	Geometry Extended Geometry Algebra II	Probability & Stats Adv. Geometry Pre-Calculus FST	AP Calculus Discrete Math ACT Math Prep	
•		Schedule Senior Interview with your Counselor before October 1				
Science		Integrated Science Biology Plant Science	Biology Chemistry Animal Science	Physics AP Chemistry Animal Health & Nutrition	AP Physics AP Biology Food Science	

-	Elective	School Activities			
CAREER ENHANCEMEN	Ag Survey Plant Science Food Science Wildlife Management Environmental Conservation Animal Science Animal Health & Nutrition	Landscape Management Ag Business Personal Finance Computer Programming I Materials & Processes Accounting I Family, Food & Society	Gourmet Foods Food Service Drafting & CAD Architectural Planning Advanced Technology Design Electronics Power & Energy	FFA FBLA Skills USA-VICA Band Choir	
Student Signature: Date:					
Pare	Parent/Guardian Signature: Date:				
Cou	Counselor Signature: Date:				



AGRICULTURE, FOOD & NATURAL RESOURCES

	Career Majors				
	Wisconsin Technical College System – 2 year www.witechcolleges.com		Wisconsin College/University System – 4 year www.uwhelp.wisconsin.edu Wisconsin Independent Colleges Universities www.wisconsinmentor.org		
POST SECONDARY PROGRAMS	Agribusiness/Science Tech Agricultural Equipment Tech Arborculture-Urban Forestry Biotechnology Laboratory Tech Dairy Herd Management Environmental/Pollution Control Farm Business Production	Farm Operation Golf Course Management Health Physic Technician Horticulture Laboratory Animal Tech Landscape Horticulture Natural Resources Tech Veterinary Technician Water Quality Tech	Agricultural and Applied Economics Agricultural Business / Mgmt Agricultural Journalism Agricultural Studies Agronomy Animal Science Biological Aspects of Conservation Conservation Conservation and Environmental Science Dairy Science Environmental Policy and Planning Environmental Sciences Farm Management	Fisheries and Water Resources Food Science/Systems/Technology Forestry Horticulture Land Use Planning Ornamental Horticulture Paper Science Plant Pathology Poultry Science Reclamation, Environment and Conservation Resource Management Soil and Waste Resources Soil/Crop Science Wildlife Ecology/Management	
	Learn more about career programs at www.careervoyages.com				

Specialty Careers / Occupations

Food Products & Processing Systems

(Food Processing & Preserving, Packaging, Distribution, Government Monitoring & Regulation)

Agricultural Sales

Agricultural Communications

Bioengineers

Biochemists

Business-Educators

Cheese Makers

Dieticians

Food Brokers-Food Inspectors

Food & Fiber Engineers

Food & Drug Inspectors

Food Meal Supervisors

Food Processors

Field Production Worker

Food Scientists

Meat Processors-Toxicologists

Meat Cutters-Meat Graders

Meat Science Researchers

Microbiologists Nutritionists

Produce Buyers

Quality Control Specialists

Storage Supervisors

Plant Systems

(Agronomic, Horticulture, Forestry, Turf, Viticulture, Soils, etc.)

Agricultural Educators

Agricultural Journalists

Aquaculturalists

Biotechnology Lab Technician

Bioinformatics Specialists

Botanists

Crop Farm Managers

Commodity Marketing Specialists

Custom Hay/Silage Operators

Education & Extension Specialists

Farmers

Forest Geneticists

Greenhouse Managers

Grain Operations Superintendents

Growers

Golf Course Superintendents

Plant Breeders and Geneticists

Plant Pathologists

Ranchers Soil & Water Specialists

Sales Representatives

Tree Surgeons

Animal Systems

(Large animals, small animals, wildlife animals, and research animals)

Al Technicians

Agricultural Educators

Animal Caretakers

Animal Health Salespersons

Animal Nutritionists

Animal Scientists

Aquaculturalists

Dairy Producers

Embryo Technologists

Embryo Transfer Technicians

Equine Managers

Feedlot Specialists

Feed Sales Representatives

Feed Sales Specialists

Livestock Buyers

Livestock Geneticists

Livestock Inspectors

Livestock Producers

Meat Science Researcher

Pet Shop Operators

Poultry Managers

Reproductive Physiologists

Veterinarians

Veterinary Assistants-

Vivarian Technicians Wildlife Biologists

USDA Inspectors

AGRICULTURE, FOOD & NATURAL RESOURCES

Specialty Careers / Occupations

Power, Structural & Technical Systems

(Power, Structures, Controls, Geospatial Technology, Computer Systems, Electronics, Hydraulics, Pneumatics)

Agricultural Engineers

Agricultural Extension Engineering Specialists

Agricultural Applications Software Developers/Programmers

Communication Technicians

Computer Service Technical Support Technicians

Database Administrators

Electronics Systems Technicians

Equipment/Parts Mangers

GPS Technicians

Heavy Equipment Maintenance Technicians

Information Lab Specialists

Machinists

Machine Operators

Recycling Technicians

Remote Sensing Specialists

Waste Water Treatment Plant Operators

Welders

Natural Resources Systems

(Habitat Conservation, Forest Products, Parks and Recreation, Mining, Environmental Services, Fisheries, Soil Conservation)

Cartographers

Commercial Fishermen

Ecologists Park Managers

Environmental Interpreters

Fish and Game Officers Loggers

Fish Hatchery Manager

Fishing Vessel Operators

Forest Technicians

Geologists

Hydrologists

Log Graders

Mining Engineers Fisheries Technicians

Pulp and Paper Manager Soil Geology Technician

Range Technicians

Vessel Crew

Water Monitoring Technician

Wildlife Managers

Environmental Service Systems

(Pollution Prevention, Water & Air Quality, Hazardous Materials, Solid Waste Management, Health & Safety Sanitation)

Environmental Compliance Assurance Managers

Environmental Sampling and Analysis Scientists/Technicians

Hazardous Materials Handlers

Hazardous Materials Technicians / Managers

Health and Safety Sanitarians

Pollution Prevention and Control Managers

Pollution Prevention and Control Technicians

Solid Waste Disposers / Recyclers

Solid Waste Technician

Solid Waste Managers

Solid Waste Specialists

Toxicologists

Water Environment Managers

Water Quality Managers

Wastewater Managers

Agribusiness Systems

(Sales, Service, Farm and Ranch Management, Entrepreneurship, Economics, etc.)

Agricultural Chemical Dealer

Agricultural Commodity Broker

Agricultural Economist

Animal Health Products Distributor

Agriculture Lenders

Agricultural Products Buyer

Banker/Loan Officer

Chemical Sales Representative

Dairy Herd Supervisor (DHIA)

Farm Investment Manager

Farmer /Rancher/Feedlot Operator

Farm Manager Salesperson

Feed and Supply Store Manager

Field Representative for Bank, Insurance Company or Government Program

Field Service Representative

Livestock Rancher / Breeder

Livestock Seller

Produce Commission Agent

Sales Manager

Learn more about specific occupations at: http://www.bls.gov/oco/

