Agricultural and Environmental Systems Career Field Pathways and Course Structure

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Agribusiness & Production Systems	Agricultural & Industrial Power Technology	Animal Science & Management	Biotechnology for Food, Plant and Animal Science	Food Science & Technology	Horticulture	Natural Resource Management
Α0	A1	A2	А3	A4	A5	A6
Pathway Courses	Pathway Courses	Pathway Courses	Pathway Courses	Pathway Courses	Pathway Courses	Pathway Courses
Agriculture, Food and Natural Resources ¹ Animal Science and Technology ² Plant & Hort Science ² Agronomic Systems Animal Nutrition, Health, and Reproduction Business Management Greenhouse & Nursery Management Livestock Science Meat Science Small Animal Science	Agriculture, Food and Natural Resources ¹ Ag & Industrial Power ² Electronic & Electrical Systems Engines and Fuel Systems Hydraulics and Pneumatics Outdoor Power Technology Power Sports Power Trains	Agriculture, Food and Natural Resources ¹ Animal Science and Technology ² Animal Nutrition, Health and Reproduction Equine Science & Mgt. Livestock Science Small Animal Science Veterinary Science Wildlife and Fisheries Zoo and Aquarium	Agriculture, Food and Natural Resources ¹ Animal and Plant Biotechnology ² Biotechnology and Bioinformatics Genetics and Laboratory Diagnostics	Agriculture, Food and Natural Resources ¹ Science & Technology of Food ² Applications of Food Science and Technology Food Marketing and Research Meat Science & Technology Microbial Food Science and Safety	Agriculture, Food and Natural Resources ¹ Plant and Horticultural Science ² Floral Design and Marketing Greenhouse and Nursery Management Landscape Design and Build Landscape Systems Management Turf Science & Management Urban Forestry	Agriculture, Food and Natural Resources ¹ Natural Resources ² Energy Systems Management Environmental Science Environmental Systems Management Forestry & Woodland Ecosystems Park & Recreational Management Urban Forestry Wildlife & Fisheries
Veterinary Science Electives A&P Biotechnology ² A&E Capstone ³ Ag & Industrial Power ² Communications and Leadership Energy Systems Mgt. Environmental Science Equine Science & Mgt. Natural Resources ² Science & Technology of Food ² Structural Engineering	Electives Business Management A&E Capstone ³ Communications and Leadership	Electives A&P Biotechnology ² Business Management A&E Capstone ³ Communications and Leadership Structural Engineering	Electives Science & Technology of Food ² A&E Capstone ³ Communications and Leadership	Electives A&P Biotechnology ² Business Management A&E Capstone ³ Communications and Leadership	Electives A&P Biotechnology ² Business Management A&E Capstone ³ Communications and Leadership Natural Resources ² Ag & Industrial Power ²	Electives Business Management A&E Capstone ³ Communications and Leadership Zoo and Aquarium