



Global Food Systems Leadership

The secondary major in Global Food Systems Leadership is intended for students who want to study and exercise leadership on the grand challenges of feeding a growing world population through a systems thinking approach. An interdisciplinary team from Kansas State University created the program with the goal of helping students enhance their preparation for a diverse range of careers that require integrated knowledge of the global food system and the leadership capacity to skillfully intervene to change the system for the common good.

To complete the 24 credit hours of the secondary major, students must complete nine credit hours of **core courses**, six credit hours from the list of **food and agriculture courses** for a basic understanding of the subject area, and an additional nine credit hours in an **area of concentration**. Some of the 24 credit hours may also be required for the student's primary major and also provides opportunities for focused course selection.

Core Courses | 9 credit hours

GENAG/LEAD 225: Fundamentals of Global Food Systems Leadership | 3 credit hours

An interdisciplinary examination of the fundamental roles people, policies, and cultures play in the global food system enterprise as it relates to sustainable food production, processing, distribution, and availability.

GENAG/LEAD 325: Uncertainty in Global Food Systems Leadership | 3 credit hours

This course addresses the impact of cultural identity, life experience and world views on leadership relationships as it relates to privilege and inclusion in the context of the global food systems.

GENAG/LEAD 425: Global Food Systems Leadership in Action | 3 credit hours

In this capstone course, students will conduct a community-engaged global food systems leadership research/service project. Additional emphasis will be on ethical dimensions of leadership and individual exploration of careers and roles within global food systems.

Food and Agriculture Courses | choose 6 credit hours

- AGEC 315-** Contemporary Issues in Global Food and Ag Systems, 3 credit hours
- AGEC 710-** Comparative Food & Ag Systems, 3 credit hours
- AGRON 220-** Crop Science, 4 credit hours
- ASI 102-** Principles of Animal Science, 3 credits hours
- ASI 350-** Meat Science, 3 credit hours
- ASI 595-** Contemporary Issues in Animal Science and Agriculture, 3 credit hours
- ENTOM 301-** Insects and People, 3 credit hours
- FDSCI 302-** Intro to Food Science, 3 credit hours
- GENAG 690-** Seminar in International Agriculture, 1 credit hour
- GRSC 101-** Intro to Grain Science, 3 credit hours
- HN 400-** Human Nutrition, 3 credit hours
- HORT 201-** Principles of Horticulture, 4 credit hours
- HORT 325-** Intro to Organic Farming, 2 credit hours

Area of Concentration | choose 9 credit hours from one area

Policy

HIST 533- Topics in the History of the Americas- Food in America (1-3)
HN 600- Public Health Nutrition (3)
POLSC 333- World Politics (3)
POLSC 507- Introduction to Public Administration (3)
POLSC 541- Politics of the World Economy (3)
POLSC 647- International Law (3)
POLSC 651- International Organization (3)
AGEC 410- Agricultural Policy (3)
AGEC 610- Current Agriculture and National Resource Policy Issues (3)
SOCIO 363- Global Problems (3)
SOCIO 507- International Development and Social Change (3)
SOCIO 533- Rural Sociology (3)
SOCIO 536- Environmental Sociology (3)

Community Engagement

COMM 465- Communication and Conflict (3)
COMM 480- Intercultural Communication (3)
CNRES 531- Core Conflict Resolution (3)
CNRES 532- Conflict Resolution across Cultures and Contexts (3)
FSHS 536- Conflict and Trauma in International Settings (3)
PLAN 415- World Cities (3)
PLAN 660- Community Development Planning (3)
PLAN 740- Small Community and Rural Area Planning (3)
SOCIO 633/ANTH 633- Gender, Power, and International Development (3)

Sustainability of Natural Resources

AGCOM 712- Environmental Communication (3)
AGRON 305- Soils (4)
AGRON 335- Environmental Quality (3)
AGRON 375- Soil Fertility (3)
ATM 558- Soil Erosion and Sediment Pollution Control (3)
ATM 661- Watershed Management (3)
BAE 560- Natural Resource Engineering (3)
BIOL 303- Ecology of Environmental Problems (3)
BIOL 529- Fundamentals of Ecology (3)
CHEM 315- Environmental Science: A Chemistry Perspective (3)
GEOG 221- Introduction to Physical Geography (4)
GEOG 340- Geography of Natural Resources (3)
GEOG 360- Sustainability Concepts and Issues (3)
GEOG 460- Human Dimensions of Global Change (3)
GEOG 760- Human Impact on the Environment (3)
HIST 511- Environmental History (3)
HIST 598- Topics in Non-Western History- Environmental History of Mexico (1-3)
HORT 790- Sustainable Agriculture (3)
HORT 791- Urban Agriculture (3)
PMC 375- Introduction to Natural Resource Management (3)

Economics and Entrepreneurship

AGEC 515- Food and Agribusiness Marketing (3)
AGEC 525- Natural Resources and Environmental Economics (3)
AGEC 570- Food Manufacturing, Distributing, and Retailing (3)
AGEC 615- Global Agricultural Development (3)
AGEC 623- International Agricultural Trade (3)
AGEC 632- Agribusiness Logistics (3)
ECON 681- International Economics (3)
ECON 682- Development Economics (3)
ENTRP 520- Social Entrepreneurship (3)
MKTG 544- International Marketing (3)
POLSC 541- Politics of the World Economy (3)
SOCIO 507- International Development and Social Change (3)

Food Production and Processing

ASI 310- Poultry and Poultry Product Evaluation (2)
ASI 361- Meat Animal Processing (2)
ASI 370- Principles of Meat Evaluation (2)
ASI 405- Fundamentals of Milk Processing (3)
ASI 495- Advanced Meat Evaluation (2)
ASI 608- Dairy Foods Processing & Technology (3)
ASI 610- Processed Meat Operations (2)
ASI 640- Poultry Products Technology (3)
ASI 671- Meat Selection and Utilization (2)
ASI 777- Meat Technology (3)
FDSCI 305- Fundamentals of Food Processing (3)
FDSCI 660- International Study Experience in Food Science (0-6)
FDSCI 690- Principles of HACCP (2)
GRSC 150- Principles of Milling (2)
GRSC 151- Principles of Milling Laboratory (1)
GRSC 405 - Grain Analysis Techniques (2)
GRSC 602 - Cereal Science (3)
GRSC 625 - Flour and Dough Testing (3)
GRSC 635 - Baking Science I (2)
GRSC 636 - Baking Science I Laboratory (2)
GRSC 637 - Baking Science II (3)
GRSC 638 - Baking Science II Laboratory (1)
HIST 557- History of American Agriculture (3)
HN 400- Human Nutrition (3)
HN 413- Science of Food (4)
HORT 520- Fruit Production (3)
HORT 560- Vegetable Crop Production (3)
HORT 725- Postharvest Physiology and Technology of Horticulture Crops (3)

CONTACT US

Dr. Mary Kay Siefers | Acting Director
Global Food Systems Leadership Program
Kansas State University | 257 Leadership Studies
marykay@k-state.edu | 785-532-6085