Food Systems

The food systems minor, hosted by the Department of Environmental Science, Policy & Management (ESPM) at the College of Natural Resources (CNR), is an interdisciplinary program of study that explores the role of food within the environment and society. Drawing from diverse fields as far ranging as ecology, sociology, the humanities, nutrition, history, and economics, the food systems minor critically examines issues of contemporary food and agriculture from a whole-systems perspective.

Students take six courses, of which only one can overlap with their major. A required community engagement project during the junior or senior year allows students to bring together what they have learned in a real-world setting.

Students who complete the minor will gain a broad and interdisciplinary understanding of critical themes and concepts related to the social, political, economic, environmental, cultural, nutritional, and public health issues of contemporary food and agriculture systems both domestically and internationally.

General Guidelines

Courses must be taken for a letter grade unless the course is only offered on a Pass/No Pass basis. The student must achieve at least a C (2.0) average in the courses taken in satisfaction of a minor program.

The requirements of the minor include:

1. Two Core Courses

   Choose two courses, from two different categories listed below, for a minimum of 6 units.

   **Natural Sciences**
   - ESPM 118 Agricultural Ecology [3]
   - ESPM 120 Soil Characteristics [3]
   - ESPM 177A Sustainable Water and Food Security [4]
   - PLANTBI 180 Environmental Plant Biology [2]

   **Social Sciences**
   - GEOG 130 Food and the Environment [4]
   - SOCIOL 169F Cultural Perspectives of Food [3]

   **Food and Community Health**
   - NUSCTX 10 Introduction to Human Nutrition [3] (*)
   - PB HLTH 196 Special Topics in Public Health [1-4] (Topic must be Global Nutrition***)

2. Three Elective Courses

   Choose three courses from the categories below. A minimum of one elective must be from the category not chosen for a core course. Core course options not taken to fulfill the core course requirement can be counted toward the elective requirement. Elective courses must add up to a minimum of 9 units.*

   **Natural Sciences**
   - ESPM 113 Insect Ecology [2]
   - ESPM 117 Urban Garden Ecosystems [4]
   - ESPM 118 Agricultural Ecology [3]**
   - ESPM 120 Soil Characteristics [3]**
   - ESPM 131 Soil Microbial Ecology [3]
   - ESPM C148 Pesticide Chemistry and Toxicology [3]
   - ESPM 158 Biodiversity Conservation in Working Landscapes [4]
   - PLANTBI 40 The (Secret) Life of Plants [3]
   - PLANTBI 135 Physiology and Biochemistry of Plants [3]
   - PLANTBI 170 Modern Applications of Plant Biotechnology [2]
   - PLANTBI 180 Environmental Plant Biology [2]**

   **Social Sciences**
   - History 2 Foodways: A Global History***
   - ANTHRO 140 The Anthropology of Food [4]
   - CY PLAN 119 Planning for Sustainability [3]
   - ENVECON 140 Economics of Race, Agriculture, and the Environment [3]
   - ENVECON 142 Industrial Organization with Applications to Agriculture and Natural Resources [4]
   - ENVECON 154 Economics of Poverty and Technology [3]
   - ENVECON 162 Economics of Water Resources [3]
   - ESPM 165 International Rural Development Policy [4]
   - GEOG 130 Food and the Environment [4]**
   - GEOG 170 Special Topics in Geography [3] (Topic must be The Political Ecology of Land Grabs: Food, Resources, Environment and Development)
   - IAS 150 Advanced Studies in International and Area Studies [4]
   - LATAMST 150 Advanced Studies in Latin American Studies [4] (Topic must be Perspectives for Sustainable Rural Development)
   - NAT RES C101 Edible Education: The Rise and Future of the Food Movement [2]
   - NUSCTX/ESPM C159 Human Diet [4]
   - NUSCTX 104 Food, Culture, and the Environment [2]
   - SOCIOL 169F Cultural Perspectives of Food [3]
   - SOCIOL 185 Global Sociology [3]

   **Food and Community Health**
**3. Community Engagement Project**

Two units (90 hours) of experiential learning

**Experiential Learning through Engagement in Food Systems**

Central to the goal of the minor is an experiential learning internship, to be taken during the student’s junior or senior year. During an entire semester (or longer if they choose), students will work with an organization focused on some aspect of food system change. A Community Engagement Faculty Coordinator will be responsible for identifying community engagement partner organizations, with support from the minor advisor. Students will receive credit for community engagement through enrollment in ESPM 194C (formerly ESPM 197). The course will be taken for two units, which is 90 hours of on-ground time, or an average of 6 hours per week for a semester.

Learn About Community Engagement in Food Systems (https://nature.berkeley.edu/food-systems-projects)