

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 will be required to declare their interest in pursuing the Food Systems Minor so that they have assurance of enrollment in core courses, and ample time to carefully plan out their path of study and community engagement project. For more information, please email [gsadil@berkeley.edu](mailto:gsadil@berkeley.edu).

## Completing the Food Systems Minor Program:

1. Two Core Courses, one each from two different categories, for a minimum of six units
  - a. Natural Sciences
  - b. Social Sciences
  - c. Food and Community Health
2. Three Elective Courses, for a minimum of nine units, including a minimum of one elective taken from the category not chosen for a core course
3. Community Engagement Project, for a minimum of two units

Please see the summary table on the second page for Food Systems Minor core and elective courses. Courses must be taken for a letter grade unless the course is only offered on a pass/fail basis. The student must achieve at least a C (2.0) average in the courses taken in satisfaction of minor program.

## Community Engagement

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 summer (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 an ESPM 197 course (Field Studies). The course will be taken for two units, which is 90 hours of on-the-ground time, or an average of 6 hours per week for a semester.

*NOTE: All courses must be taken for a letter grade and the cumulative minor GPA must be 2.0 or higher.*

**1. Two Core Courses:** Choose two courses, from two different categories listed below, for a minimum of six units.

### •NATURAL SCIENCES:

- ESPM 118: Agro--Ecology (3/F)
- ESPM 120: Soil Characteristics (3/F)
- PLANTBI 180: Environmental Plant Biology (2/SP)

### •SOCIAL SCIENCES:

- ESPM 155: Sociology and Political Ecology of Agro-Food Systems (4/F)
- GEOG 130: Food and the Environment (4/F SP)

### •FOOD AND COMMUNITY HEALTH:

- NUSCTX 10: Introduction to Human Nutrition (3/F SP SU)
- PB HLTH 196: Global Nutrition (3/F SP)

*Note: Completion of the CRS minor will be noted in the memorandum section of the student's transcript and NOT on their diploma.*

**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 nine units.\*

•**NATURAL SCIENCES:**

- ESPM 113: Insect Ecology (2/SP)
- ESPM 117: Urban Garden Ecosystems (4/F)
- ESPM 118: Agro-Ecology (3/F)\*\*
- ESPM 120: Soil Characteristics (3/F)\*\*
- ESPM 131: Soil Microbial Ecology (3/SP)
- ESPM C148/NUSCTX C114: Pesticide Chemistry and Toxicology (3/SP)
- ESPM 150: Green Water, Brown Ground, and Global Food Security (3/SP)
- ESPM 158: Biodiversity Conservation in Working Landscape (4/SP)
- ESPM 186: Management and Conservation of Rangeland Ecosystems (4/F)
- PLANTBI 40: The (Secret) Life of Plants (3/F SP)
- PLANTBI 135: Physiology and Biochemistry of Plants: Plant And Microbial Biology (3/F)
- PLANTBI 170: Modern Applications of Plant Biotechnology (2/SP)
- PLANTBI 180: Environmental Plant Biology (2/SP)\*\*

•**SOCIAL SCIENCES:**

- HISTORY 2: \*\*\*Foodways: A Global History (4/FSP)
- ANTHRO 140: Anthropology of Food (4/F)
- ESPM 155: Sociology and Political Ecology of Agro-Food Systems (4/SP)\*\*
- ESPM C159/NST C159: Human Diet (4/SP)
- ESPM 163 AC/SOC 137 AC: Environmental Justice (4 SP)
- ESPM 165: International Rural Development Policy (4/SP)
- ESPM 168: Political Ecology (4/SP)
- GEOG 130: Food and the Environment (4/F SP)\*\*
- NAT RES C101/L&S C101: Edible Education (2/F SP)
- NUSCTX 104: Human Food Practices (2/SP SU)
- SOC 169F: Cultural Perspectives of Food (3/F SP)
- SOC 185: Global Sociology: Social Perspectives of the Food Industry (3/F)
- CP 119: Planning for Sustainability (3/SP) IAS 150: Climate Change and Agriculture in Latin America (4/F)
- LAS 150: Perspectives for Sustainable Rural Development in Latin America (3/F)
- ENVECON 140AC: Economics of Race, Agriculture, and the Environment (3/F)
- ENVECON 142: Industrial Organization with Applications to Agriculture and Natural Resources (4/F SP)
- ENVECON 154: Economics of Poverty and Technology (3/SP)
- ENVECON 162: Economics of Water Resources (3/SP)

•**FOOD AND COMMUNITY HEALTH:**

- NUSCTX 10: Introduction to Human Nutrition (3/F SP SU)\*\*
- NUSCTX 103: Nutrient Function and Metabolism (3/F)
- NUSCTX 104: Human Food Practices (2/SP SU)
- NUSCTX 108A+B: Introduction and Application of Food Science/Laboratory (3/F), (1/F)
- NUSCTX 135: Food Systems Organization and Management (4/SP)
- ESPM C148/NUSCTX C114: Pesticide Chemistry and Toxicology (3/F SP)
- ESPM C159/NST C159: Human Diet (4/SP)
- NUSCTX 160: Metabolic Bases of Human Health and Diseases (4/ SP)
- NUSCTX 166: Nutrition in the Community (3/F)
- PB HLTH 112: Global Health: A Multidisciplinary Examination (4/F SP)
- PB HLTH C160/ESPM C167: Environmental Health and Development (4/F)
- PB HLTH 170C: Drinking Water and Health (3/SP)
- PB HLTH 196: Global Nutrition (3/F)\*\*

\* Only one lower division class OR up to two units of relevant upper division DeCal credit can count toward the minor. DeCal classes must be approved by the Minor Advisor and are considered outside the three elective categories: therefore they do not satisfy the requirement of a minimum of one elective taken from the category not chosen for a core course. Students can petition to include other relevant classes, including graduate classes.

\*\* Course is also a core course

\*\*\* This course will only count with this topic

**COMMUNITY ENGAGEMENT PROJECT:** Two units (90 hours) of experiential learning through enrollment in ESPM 197.

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