

(Aug 2015)

Certificate in International Agriculture/Environment (21-23 credits)

The International Agriculture/Environment Certificate Program has been designed as a supplement to the various academic majors at Rutgers, especially those at the School of Environmental and Biological Sciences that pertain to agriculture, food, and the environment. Courses selected from several curricula provide a better understanding of the relationship between these areas and social, cultural, historical, political, and economic factors as they relate to human issues. In short, the academic major provides the knowledge and skill base and the certificate program helps to establish a global perspective. This option should be particularly useful to students in applied science fields who wish to pursue careers in the international arena.

In consultation with their academic advisers and the international environmental studies curriculum coordinator, interested students should select a sequence of courses, one from each of three subject areas (I, II, III), that relate to a particular topic such as agriculture, health, food, or environmental management. The program also requires foreign language training (IV) and practical experience (V). In addition, courses in the School of Environmental and Biological Sciences that offer an international focus are listed following the certificate program. Students are encouraged to consider these as they select courses to fulfill major and elective requirements.

The International Agriculture/Environment Certificate Program is designed to serve students both in the School of Environmental and Biological Sciences and in other schools at Rutgers who wish to supplement their majors by expanding their understanding of issues and challenges faced in the international arena. The certificate program is administered through the environmental policy, institutions, and behavior curriculum. Interested students should consult with their advisers and either Dr. William Hallman (Cook Office Building, Room 202, 848-932-9227, or hallman@sebs.rutgers.edu), or Dr. Mark Robson (Foran Hall, Room 204A, 848-932-6276 or robson@sebs.rutgers.edu).

I. Geography and Physical Environment (3)

Courses whose subject matters focus primarily on environmental and other kinds of physical or biotic systems and problems characteristic of a region, world area, or habitat outside of the United States, or use such bases for assessing human issues.

01:450:101 Earth Systems (3)

01:450:102 Transforming the Global Environment (3)

01:450:211 Conservation and Use of Natural Resources (3)

01:450:311 Natural Hazards and Disasters (3)

11:015:401 Colloquium: Global Warming (3)

11:015:492 Tropical Agriculture (3)

11:374:101 Introduction to Human Ecology (3)

11:374:301 Environment and Development (3)

11:670:202 Elements of Climatology (3)

II. Historical-Cultural (3)

Courses that focus primarily on comparative, historical, and/or sociocultural factors in examining issues related to environment, food, health, population, or agriculture.

- 01:070:307 Medical Anthropology (3)
- 01:450:205 World Cultural Regions (3)
- 11:374:269 Population, Resources, and Environment (3)
- 11:374:308 Human Ecology of Maritime Regions (3)
- 11:374:312 Environmental History (3)
- 11:374:314 Natural Resource Management (3)
- 11:374:331 Culture and Environment (3)
- 11:374:341 Social and Ecological Aspects of Health and Disease (3)

III. Political Economy (3)

Courses that focus primarily on the international or comparative political and/or economic institutions and their dynamics.

- 01:790:102 Introduction to International Relations (3)
- 01:790:210 Comparative Politics (3)
- 11:015:430 Colloquium: World Food Problems - Scientific Solutions (3)
- 11:373:371 Food Health and Safety Policy (3)
- 11:374:102 Global Environmental Change (3)
- 11:374:313 U.S. Environmental Policy (3)
- 11:374:315 International Environmental Policy (3)

IV. Foreign Language (6-8)

Completion of at least two semesters of foreign language at the intermediate or advanced level.

V. Practical Experience (6)

Relevant research, at home or abroad, overseas work, study and travel, employment or a combination of these focused on international environment, agriculture, food, and the like. Credits are gained through registration for curricular independent study, field study, research, and practicum courses or a SPIN (Student to Professional Internship Network) experience at the School of Environmental and Biological Sciences.

- 11:374:490 Research and Practicum (3)
- 11:374:491 Research and Practicum (3)
- 11:374:492 Environmental Studies Internship (BA)