

# Requirements for the Double Major in Economics and ENSP

**Sonoma State University**  
**Department of Geography, Environment, and Planning**

[www.sonoma.edu/gep/ensp](http://www.sonoma.edu/gep/ensp)

707/664-2306

**ENSP Advisor: Refer to ENSP Tracks on  
reverse side**



**Department of Economics**

[www.sonoma.edu/econ](http://www.sonoma.edu/econ)

707/664-2366

**ECON Advisor: Prof. Merlin Hanauer**

[hanauer@sonoma.edu](mailto:hanauer@sonoma.edu)

**Stevenson 2058; 707/664-2410**

The Bachelor Arts degree with a double major in Economics and Environmental Studies and Planning is intended for those students whose particular academic and career interests lie in natural resources economics, economic planning, energy management and/or community development and redevelopment. The double major is designed especially for capable students who later intend to pursue graduate studies in natural resource management, environmental policy, urban planning, law, or related career fields. Students pursuing the double major must declare their majors in both departments. Academic advising takes place in both departments.

The major requirements in both Economics and ENSP shown below apply only to students pursuing the double major. Requirements for a major only in Economics or ENSP may differ considerably from these. Students should seek information and advising in the appropriate department. The Economics requirements are shown below, followed by the requirements in three distinct tracks in ENSP related to this double-major — Natural Resources, Urban Planning, and Energy Management and Design.

## Economics Major Requirements (28 units)

A minimum of 28 units from the following, selected in consultation with the Economics advisor:

ECON 204	(4)	Introduction to Macroeconomics
ECON 205	(4)	Introduction to Microeconomics
ECON 304	(4)	Intermediate Macroeconomic Theory
ECON 305	(4)	Intermediate Microeconomic Theory
ECON 317	(4)	Introduction to Econometrics (note prerequisite of Math 165 or ECON 217)

Students choose two additional economics electives in consultation with an Economics advisor.

Recommended classes:

ECON 322	(4)	Urban and Regional Economics
ECON 381	(4)	Natural Resources & Environmental Economics
ECON 411	(4)	Seminar in Public Finance
ECON 481	(4)	Ecological Economics

## ENSP Major Requirements (31-34 units)

1. Natural Resources Track (32 - 33 units) - Advisor: Prof. Laura Watt  
Stevenson 3016C – [laura.watt@sonoma.edu](mailto:laura.watt@sonoma.edu)

### Required Courses:

GEP 315	(1)	GEP Forum
GEP 340	(4)	Applied Ecology
<i>Must take two of these three courses listed below:</i>		
GEP 330	(4)	Environmental History <b>OR</b>
GEP 335	(4)	US Environmental Policy <b>OR</b>
GEP 336	(3)	US Environmental Law
GEP 341	(4)	Conservation Biology
GEP 494/317	(4)	Internship
GEP 310	(2)	Professional Preparation

### Required Electives:

Six units in ENSP selected in consultation with a C&R advisor according to the student's career goals.

2. Urban Planning Track (31-34 units) - Advisor: Prof. Tom Jacobson  
Stevenson 1032 – [tom.jacobson@sonoma.edu](mailto:tom.jacobson@sonoma.edu)

### Required Courses: 22 units

GEP 360	(3)	Introduction to Planning
GEP 361	(4)	Planning Theory and Methodology
GEP 362	(3)	Environmental Impact Assessment
GEP 493A	(4)	Planning Workshop
GEP 493B	(4)	Planning Workshop
GEP 363	(3)	Land Use Law
GEP 310	(1)	Senior Seminar

### Required Electives: *Must take at least three courses listed below:*

GEP 340	(4)	Applied Ecology
GEP 368	(3)	The Urban Design I: The Form
GEP 369	(3)	The Urban Design II: Placemaking
GEP 364	(4)	Environmental Planning
GEP 366	(3)	Planning for Sustainable Communities
GEP 367	(3)	Transportation Planning
GEP 317	(3)	Internship

3. Energy Management and Design Track (32 - 33 units)  
- Advisor: Prof. Daniel Soto  
Stevenson 3016E – [sotod@sonoma.edu](mailto:sotod@sonoma.edu)

### Required Courses:

GEP 315	(1)	GEP Forum
GEP 373	(4)	Energy, Technology and Society
GEP 473	(4)	Thermal Energy Management
GEP 474	(4)	Electrical Energy Management
GEP 416	(2)	Energy Forum (can be taken twice)

### *Must take at least three of the four courses listed below:*

GEP 475	(4)	Passive Solar Design
GEP 476	(4)	Small Scale Energy Sources
GEP 477	(3)	Computer Applications in Energy Management
GEP494/317	(4)	Internship

### Required Electives:

A minimum of 6 units selected in consultation with the EMD advisor.