ENVIRONMENTAL STUDIES AND PLANNING

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Faculty

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Programs Offered

Bachelor of Arts in Environmental Studies Education and the Environment

Energy Management and Design

Conservation and Restoration

Outdoor Leadership

Planning Concentration

Water Resources Management

Bachelor of Science in Environmental Studies Energy Management and Design

Water Resources Management

Minor in Environmental Studies and Planning

Elementary Teacher Credential Multiple Subject Preparation in Environmental Studies

Double Major with Economics

For over forty years, beginning in 1972, ENSP has offered a distinctive undergraduate program of interdisciplinary study aimed at the analysis, management, and solution of environmental problems and issues. Students and faculty work together across disciplines to develop a thorough understanding of environmental sustainability in all its dimensions. Specifically, the program combines a core education in ecology, physical science, social sciences, and the humanities with targeted coursework in an area of expertise, including energy, conservation, water, education, and planning. This involves integrating knowledge from multiple disciplines to understand the functioning of environmental systems and the nature of human impact upon these systems at local, regional, and global scales. The department's goals are to prepare students for careers in the environmental professions, graduate studies, and positive action in their own lives, and to broadly promote ecological literacy in order to help maintain and enhance the quality of human and natural environments.

Each student chooses a study plan, which has one or more assigned advisors who specializes in that area of interest. Students and faculty work together to plan a course of study that will provide the best possible preparation for personal and professional fulfillment. Students enjoy small class sizes and personalized teaching by distinguished and dedicated professors. ENSP faculty are committed to enhancing both the quality of education and the environment.

Many students pursue a double major, or a major and minor, in conjunction with traditional disciplines to prepare for specific careers related to the environment. All students must complete a senior project or internship.

Admission Requirements

When applying to Sonoma State University, a student may declare a major in Environmental Studies and Planning. Students will be admitted to the major only if they meet departmental academic requirements which is currently a minimum GPA of 2.75. A student considering this major should make an appointment to see a faculty member for academic advising.

Financial Aid and Scholarships

Students seeking financial aid to assist them in their studies should contact the financial aid office. Several scholarships are provided specifically for ENSP students through the University scholarship program; please refer to the Scholarships section of this catalog.

Advisory Plans for the Freshman and Sophomore Years

In fulfilling their general education requirements, students who intend to major in Environmental Studies and Planning should select courses that will also meet the prerequisites for their intended study plans. Required and recommended prerequisites for each study plan are listed below.

A broad-based program of lower-division work in the liberal arts and sciences is generally sufficient to meet the requirements for the B.A. degree. This program should include at least one course in biology; one in geology, chemistry, or physics; one in philosophy; and two or more in the social sciences, including a course in introductory economics. Additional coursework is required for certain study plans.

Required Courses

All ENSP majors are required to complete: ENSP 201 Environmental Forum (1)

In addition, in consultation with an advisor, students must complete one of the six study plans described below. At least 24 units of ENSP course work are required for the B.A. and B.S. degrees. Courses required for the major must be taken for a traditional letter grade, except for courses that are only offered Cr/NC.

Bachelor of Arts in Environmental Studies

(See page 138-141 for sample four-year programs.)

Degree Requirements	Units
General education	48 or 50
Major requirements	36-53
General electives	17-37
Total units needed for graduation	120

Bachelor of Science in Environmental Studies

(See page 141-142 for sample four-year programs.)

A bachelor of science degree is available for students in the Energy Management and Design and Water Quality Management plans.

Degree Requirements	Units
General education	48 or 51
Science support courses	29-31
Major requirements	22-35
General electives	10-18
Total units needed for graduation	120

The following natural science support courses are required for the B.S. degree, in addition to the specific requirements for Energy Management and Design and Water Quality Management.

CHEM 115A* General Chemistry	5
CHEM 115B* General Chemistry	5
MATH 161* Calculus I	4
MATH 211S Calculus II	2
MATH 165* Elementary Statistics	4
PHYS 210A* General Physics (Algebra/Trig	
or Calculus-based)	3-4
PHYS 210B General Physics	3-4
Total units science support courses	29-31

* Courses that meet general education requirements.

Study Plans

In consultation with an advisor, students must complete one of the six study plans outlined below. Details of each plan, including specific courses and options, are available from the office of the Department of Environmental Studies and Planning.

Education and the Environment (B.A. degree option)

This study plan is designed for students interested in working with youth or a teaching career in public or private school settings. Coursework is designed to help students pass the California Subject Matter Examination for Teachers (CSET) as well as equip them with environmental science literacy, effective educational techniques, and extensive field experience. After completion of this B.A. degree track, many students go on for a multiple subject teaching credential.

Energy Management and Design (B.A. and B.S. degree options)

This program is designed to prepare students for careers or for graduate studies in the fields of residential and commercial energy management, energy-efficient architecture and design, energy planning in industry and government, renewable energy applications, and other energy-related businesses.

Conservation and Restoration (B.A. degree option)

Track 1, Biological Emphasis, is for students interested in sciencebased conservation, restoration, conservation planning, land management, and preservation. Students participate in an interdisciplinary curriculum that combines course work in ecology and biology with environmental policy, law, and/or planning. A minor in Biology is strongly encouraged. Track 2, Social Science Emphasis, is for students interested in the human dimensions of conservation and restoration. Coursework focuses on the political, historical, and/or geographic aspects of land and resource conservation, planning, and management, while also covering a solid interdisciplinary foundation of ecological understanding. A minor in Geography is strongly encouraged.

Outdoor Leadership (B.A. degree option)

This study plan combines relevant coursework in environmental science, kinesiology, leadership and small business management along with field experience to prepare the next generation of outdoor leaders. Career opportunities include the growing outdoor recreational field, eco and adventure tourism, and adventure and multi-sports programs at schools and universities, as well as activities for youthat-risk and other special needs populations.

Planning Concentration (City and Regional Planning) (B.A. degree option)

Students in the CSU-approved planning concentration follow a general preprofessional curriculum in planning and may choose to develop a specialization to suit their interests through a program of recommended electives. Focus is on sustainable community planning, including land use, growth management, environmental impact assessment, transportation, and natural resource planning. Graduates may work for a wide variety of governmental agencies, private firms, or non-profits, or may pursue graduate studies in planning or related fields. Students interested in future careers in environmental law typically follow the planning concentration.

Water Resources Management Concentration (B.A. and B.S. degree options)

The Water Resources Management study plan provides excellent preparation for professional careers in the expanding field of water management. Graduates find employment in a wide variety of occupations with industry, private consulting firms, non-profit organizations, or government agencies that provide, conserve, regulate, or manage water resources and systems.

Double Major with Economics

The double major in economics and environmental studies and planning is designed for those students whose particular academic and career interests lie in natural resource economics, economic development planning, and/or energy management. The double major is also designed especially for students who intend to pursue graduate studies in natural resource management, urban planning, law, or related career fields.

Students considering this double major should meet with both their ENSP and ECON advisors to discuss requirements.

Minor in Environmental Studies and Planning

The purpose of the minor in environmental studies and planning is to help students from traditional disciplines apply their expertise to environmental and planning problems and issues. A minimum of 20 units is required. Students considering the ENSP minor should meet with an ENSP advisor to discuss requirements.

Special Resources in ENSP

The department utilizes several valuable learning environments and facilities on and off campus. They include:

The Fairfield Osborn Preserve: A 411-acre field station that provides environmental education programs and opportunities for scientific research. The preserve is a fifteen-minute drive from campus, atop Sonoma Mountain.

Galbreath Wildlands Preserve: A 3,670 acre preserve nestled in the Coast Range of northern California. The mission of the Preserve is to promote environmental education and research, as well as the effective stewardship of this diverse landscape.

The SSU Botanical and Kenneth M. Stocking Native Plant Garden: A showcase of diverse California plant communities and a quiet place for education and relaxation. Located near the campus lakes, the garden includes a guided trail through woodland, marsh, and riparian ecosystems.

The Environmental Technology Center: A model for sustainable building techniques and technologies, this center includes energy and water-efficient landscaping, "smart building" control technologies, environmentally-sensitive materials, passive solar heating and cooling, and more. It serves as a training facility for building professionals and teachers and as an educational and research site. The Center for Sustainable Communities: The Center works with cities and counties, special districts, and regional and state government agencies utilizing ENSP faculty, students, and "encore career" professionals on a wide array of projects.

The Classroom Garden: The garden adjacent to the ETC teaches SSU students and members of the public about sustainable land-scape practices and how these contribute to biodiversity and environmental health. Through internships, volunteering, and classroom experiences, students gain a sense of place, community, purpose, and an enriched academic experience.

Sample Four-Year Program for Bachelor of Arts in ENSP-**Conservation and Restoration (with Biology Minor)**

Track I, Biological Emphasis

The course plan below satisfies requirements for minor in the Department of Biology. Waiting to complete the one-year introductory course until transfer-ring to SSU may add one additional semester. Students must complete a total of 120 units to meet university graduation requirements.

* Plan assumes that all lower-division GE courses (50 units) are completed prior to starting junior year, including MATH 165 (Statistics) or equivalent.

**Transfer students must complete a one-year equivalent introductory biology course.

FRESHMAN YEAR: 30 Units

Fall Semester (12-15 Units)	Spring Semester (13-16 Units)
ENSP 200 (D5) (3)	MATH 165 (B4) (4)
GEOG 203 (D2) (4)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
SOPHOMORE	YEAR: 30 Units
Fall Semester (11-13 Units)	Spring Semester (14-16 Units)
BIOL 130A** (B2) (4)	BIOL 130B** (B2) (4)
ENSP 201 (1)	GEOG 201 (B1) (4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
JUNIOR YE/	AR: 30 Units
Fall Semester (14-16 Units)	Spring Semester (13-16 Units)
BIOL 333 (4)	ENSP 322 (4)
GEOG 387 (4)	ENSP Core Course (4)
(phys ENSP Core Course (3-4) (physical science, social science or humani	ical science, social science or humanities) Upper-Division GE (3-4) ties)
Upper-Division GE (3-4)	Upper-Division GE (3-4)
SENIOR YEA	AR: 30 Units
Fall Semester (15 Units)	Spring Semester (11-15 Units)
ENSP 423 (5)	ENSP 497 (1)
ENSP 499 - Internship (2)	ENSP 499 - Internship(2)
ENSP Core Course (3-4) (physical science, social science or humani	ENSP elective (2-4)
UD Biology Elective (4)	Elective (2-4)

UD Biology Elective (see study plan for list of eligible courses) - taxonomic course (4)

(see study plan for list of eligible courses)

TOTAL UNITS: 120

Sample Four-Year Program for Bachelor of Arts in **ENSP-Conservation and Restoration (with Geography** minor)

* Please note that the Geography minor is optional, not required.

Track II, Social Sciences Emphasis

This is only an example of how one might plan our your four years as a C&R Track II student; the only classes that have specific prerequisites are noted. Most GE classes can be taken in any order or sequence. Please consult with your advisor for suggestions of when to take particular courses, or when choosing electives. Students must complete a total of 120 units to meet university graduation requirements.

FRESHMAN YEAR: 30 Units

Fall Semester (13-16 Units)	Spring Semester (13-16 Units)
MATH 165 (B4) (4)	ECON 205 (D1) (4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)

SOPHOMORE YEAR: 30 Units

Fall Semester (13-16 Units) GEOG 203 (D2) (3) ENSP 201 (1) GE/Elective (3-4) GE/Elective (3-4) GE/Elective (3-4)

Spring Semester (14-16 Units) GEOG 201 (B1) (4) SSCI 299 (1)

> GE/Elective (3-4) GE/Elective (3-4) GE/Elective (3-4)

JUNIOR YEAR: 30 Units

Fall Semester (13-16 Units)	Spring Semester (15-16 Units)
ENSP 302 (4)	ENSP 322 (4)
ENSP 307 (4)	ENSP 401 (4)
Elective in major (2-4) isee study plan for list of eligible courses)	GEOG elective for minor (4)
Jpper-Division GE (3-4)	Upper-Division GE (3-4)

SENIOR YEAR: 30 Units

Fall Semester (12-14 Units)	Spring Semester (14-16 Units)
ENSP 416 (4) OR ENSP 404 (3)	ENSP 425 (4)
Upper-Division GE (3-4)	ENSP 497 (2) ENSP 499 - Internship (2)
ENSP 499 - Internship (2)	GEOG elective for minor (4) (see study plan for list of eligible courses)
	Elective in major (2-4)
TOTAL UNITS: 120	

Sample Four-Year Program for Bachelor of Arts in ENSP-Education and the Environment

This is only an example of how one might plan our your four years as a Education and the Environment BA student. Most General Education (GE) classes can be taken in any order or sequence. These are GE recommendations only. Other approved courses can also meet your GE requirements. Please consult with your advisor for suggestions of when to take particular courses, or when choosing electives.

FRESHMAN YEAR: 30 Units	
Fall Semester (13-14 Units)	Spring Semester (14-15 Units)
GEOL 102 (B1) (3)	ENGL 214 (C2) (4)
MATH 150 (B4) (3)	BIO 110 (B2) (4)
GE A2 (3-4)	HIST 201 (D2) (3)
GE A3 (4)	GE C1 (3-4)
SOPHOMOR	RE YEAR: 30 Units
Fall Semester (13-15 Units)	Spring Semester (14-15 Units)
HIST 251 (D3) (3)	POLS 200 (D4) (3)
ENSP 201 (1)	ENSP 200 (D5) (3)
GE B3 (3-4)	ENSP 202 (3)
GE C3(3-4)	Applied Arts (2-3)
Elective (3)	EDMS 470 (3) (prerequisite to SSU Credential programs)
JUNIOR	YEAR: 30 Units
Fall Semester (17 Units)	Spring Semester (15-16 Units)
EDUC 417 (D1) (3) (Upper Division GE plus prerequisite to S	ENSP 305L (3)
EDEC 420 (E) (3)	ENSP 308 (3)
(Upper Division GE plus prerequisite to S	SSU Credential program)
ENSP 302 (4)	ENSP Social Science Requirement (3-4)
ENSP 303 (4)	MATH 300B (3)
MATH 300A (3)	Elective (3)
SENIOR	YEAR: 30 Units
Fall Semester (16-17 Units)	Spring Semester (16 Units)
ENSP 345 (3)	ENSP 442 (3)
ENSP 440 (4)	ENSP 499 - Internship (4)
KIN 400 (3)	Elective (3)
Upper-Division GE (3-4)	Elective (3)

TOTAL UNITS: 120

Elective (3)

Sample Four-Year Program for Bachelor of Arts in ENSP-Energy Management and Design

Fall Semester (15 Units)	Spring Semester (15 Units
CHEM 115A (5)	GE (A3) (4)
ECON 205 (4)	GE (B2) (4)
GE (A1) (3)	GE (C) (4)
GE (A2) (3)	GE (D1) (3)
SOPHOMORE	YEAR: 30 Units
Fall Semester (15 Units)	Spring Semester (15 Units)
MATH 160 (4)	ENSP 202 (3)
GE (C) (4)	PHYS 210A (3)
GE (D2) (3)	GE (D3) (3))
GE (C) (4)	GE (D4) (3)
	GE (D5) (3)
JUNIOR YE	AR: 32 Units
Fall Semester (16 Units)	Spring Semester (16 Units)
ENSP 201 (1)	ENSP 401 (2)
ENSP 307 (4)	ENSP 430 (4)
ENSP 330 (4)	ENSP 437 (4)
ENSP 337 (4)	GE (E) (3)
GE (B3) (3)	Elective (3)
SENIOR YE	AR: 28 Units
Fall Semester (15 Units)	Spring Semester (13 Units)
ENSP 303 (4)	ENSP 430 (2)
ENSP 338 (4)	ENSP 438 (4)
ENSP 499 - Internship (4)	Elective (4)
Elective (3)	Elective (3)

Elective (3)

Sample Four-Year Program for Bachelor of Arts in **ENSP-Outdoor Leadership**

This is only an example of how one might plan our your four years as a Education and the Environment BA student. Most General Education (GE) classes can be taken in any order or sequence. These are GE recommendations only. Other approved courses can also meet your GE requirements. Please consult with your advisor for suggestions of when to take particular courses, or when choosing electives

<i>Fall Semester (13-14 Units)</i> GEOL 102 (B1) (3) MATH 150 (B4) (3) GE A2 (3-4) GE A3 (4)	<i>Spring Semester (14-15 Units,</i> ENGL 214 (C2) (4) BIO 110 (B2) (4) HIS 201 (D2) (3) GE C1 (3-4)
GEOL 102 (B1) (3) MATH 150 (B4) (3) GE A2 (3-4) GE A3 (4)	ENGL 214 (C2) (4) BIO 110 (B2) (4) HIS 201 (D2) (3) GE C1 (3-4)
MATH 150 (B4) (3) GE A2 (3-4) GE A3 (4)	BIO 110 (B2) (4) HIS 201 (D2) (3) GE C1 (3-4)
GE A2 (3-4) GE A3 (4)	HIS 201 (D2) (3) GE C1 (3-4)
GE A3 (4)	GE C1 (3-4)
SOPHOMORE '	YEAR: 30 Units
Fall Semester (13-15 Units)	Spring Semester (15 Units)
HIST 251 (D3) (3)	POLS 200 (D4) (3)
ENSP 201 (1)	ENSP 200 (D5) (3)
GE B3 (3-4)	UNIV 238 (3)
GE C3(3-4)	KIN 217 or KIN 427 (3)
Elective (3)	Elective (3)
JUNIOR YE	AR: 31 Units
Fall Semester (15-16 Units)	Spring Semester (15-17 Units,
ENSP 302 (4)	ENSP 305L (3)
ENSP 303 (4)	ENSP 307 or 401 (3-4)
ENSP 444 (4)	(ENSP Social Science Requirement)
Jpper-Division GE (3-4)	ENSP 308 (3)
	Upper-Division GE (3-4)
	Elective (3)
SENIOR Y	EAR: 30 Units
Fall Semester (13-14 Units)	Spring Semester (13-16 Units)
ENSP 440 (4)	ENSP 442 (3)
3US 344 (3)	ENSP 499 - Internship (4)
Elective (3 units)	Elective (3)
Jpper Division GE (3-4)	KIN 241 (3)
ый зт4 гесоттепаеа)	(or wilderness First Responder Course) KIN 325 or KIN 427 (3)

Sample Four-Year Program for Bachelor of Arts in ENSP-Planning

This is just an example of how one might plan four years as a Planning student. Classes that have prerequisites are noted, though those prerequisites can change. Most GE classes can be taken in any order or sequence. Consult with your advisor for suggestions on when to take particular courses and when choosing electives.

FRESHMAN YEAR: 30 Units	
Fall Semester (13-16 Units)	Spring Semester (14-16 Units)
ENSP 200 (1)	MATH 165 (B4) (4)
ENSP 201 (D5) (3)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	

SOPHOMORE YEAR: 30 Units

Fall Semester (12-15 Units)	Spring Semester (13-16 Units)
GEOG 203 (D2) (3)	ECON 205 (D1) (4)
ENSP 201 (1)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	

JUNIOR YEAR: 30 Units

Fall Semester (13-15 Units)	Spring Semester (14-16 Units)
ENSP 302 (4)	ENSP 303 (4)
ENSP 310 (3)	ENSP 311 (4)
A course from the	A course from the
"Planning Skills" category (3-4)	"Humanities" category (3-4)
Upper-Division GE (3-4)	Upper Division GE (3-4)

SENIOR YEAR: 30 Units

Fall Semester (12-15 Units)
ENSP 315 (3)
ENSP 411A (4)
ENSP 499 - Internship (3)
Upper-Division GE (3-4) A course from the "Technical and Research Skills" category (2-4)

Spring Semester (14-15 Units) ENSP 411B (4) ENSP 415 (3) ENSP 498 (1)

An additional course from the "Planning Skills" category (3-4)

TOTAL UNITS: 120

Sample Four-Year Program for Bachelor of Arts in ENSP-Water Resources Management

This is only an example of how one might plan our your four years as a Water Resources BA student; the only classes that have specific prerequisites are noted. Most GE classes can be taken in any order or sequence. Please consult with your advisor for suggestions of when to take particular courses, or when choosing electives.

Fall Somester (12-15 Units)	Spring Somester (11-16 United
GEOL 102 (B1) (3)	ECON 205 (D1) (4)
MATH 165 (B4) (4)	MATH 160 *if needed (4)
GE/Elective (3-4)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
SOPHOMORE YE	AR: 30 Units
Fall Semester (13-14 Units)	Spring Semester (13-14 Units)
BIOL 130A (B2) (4)	BIOL 130B (4)
CHEM 115A (B3) (5)	CHEM 115B (5)
ENSP 201 (1)	SSCI 299 (1)
GE/Elective (3-4)	GE/Elective (3-4)
JUNIOR YEAR	: 30 Units
Fall Semester (12-16 Units)	Spring Semester (10-15 Units)
ENSP 303 (4)	GEOL 323 (3)
ENSP 308 (3) OR ENSP 307 (4)	Elective in major (2-4)
Elective in major (2-4)	(see study plan for list of eligible
Upper-Division GF (3-4)	Elective in major (2-4)
(see	study plan for list of eligible courses) Upper Division GE (3-4)
SENIOR YEAR	: 30 Units
Fall Semester (11-14 Units)	Spring Semester (11-15 Units)
ENSP 404 (3)	ENSP 450 (3)
ENSP 451 (3)	ENSP 499 – Internship (4)
Upper-Division GE (3-4)	ENSP 498 (1)
Elective in major (2-4)	Elective (2-4)
(see study plan for list of eligible courses)	Elective (2-4

TOTAL UNITS: 120

Sample Four-Year Program for Bachelor of Science in ENSP-Water Resources Management

This is only an example of how one might plan our your four years as a Water Resources BS student; the only classes that have specific prerequisites are noted. Most GE classes can be taken in any order or sequence. Please consult with your advisor for suggestions of when to take particular courses, or when choosing electives.

Fall Semester (15-16 Units)	Spring Semester (15-17 Units,
GEOL 102 (B1) (3)	CHEM 115B (5)
MATH 165 (B4) (4)	MATH 161 (4)
CHEM 115A (B3) (5)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
SOPHOMORE 1	YEAR: 30 Units
Fall Semester (13-14 Units)	Spring Semester (14-16 Units,
BIOL 130A (B2) (4)	BIOL 130B (4)
MATH 211S (2)	PHYS 210B (3)
ENSP 201 (1)	SSCI 299 (1)
PHYS 210A (B3) (3)	GE/Elective (3-4)
GE/Elective (3-4)	GE/Elective (3-4)
JUNIOR YEA	AR: 30 Units
Fall Semester (12-16 Units)	Spring Semester (10-15 Units,
ENSP 303 (4)	GEOL 323 (3)
ENSP 308 (3) OR ENSP 307 (4) Elective in major (2-4) (see study plan for list of eligible courses Jpper-Division GE (3-4) (Si	Elective in major (2-4) (see study plan for list of eligible s) courses) Elective in major (2-4) ee study plan for list of eligible courses) Upper Division GE (3-4)
SENIOR YEA	AR: 30 Units
Fall Semester (11-14 Units)	Spring Semester (11-15 Units)
ENSP 404 (3)	ENSP 450 (3)
ENSP 451 (3)	ENSP 499 – Internship (4)
Upper-Division GE (3-4)	Elective (2-4)

TOTAL UNITS: 120

Sample Four-Year Program for Bachelor of Science in ENSP-Energy Management and Design

Fall Semester (15 Units)	Spring Semester (16 Units)
CHEM 115A (5)	CHEM 115B (5)
GE (A1) (3)	MATH 161 (4)
GE (A2) (3)	GE (C) (4)
GE (A3) (4)	GE (D1) (3)
SOPHOMORE	YEAR: 30 Units
Fall Semester (14 Units)	Spring Semester (16 Units)
MATH 211S (2)	PHYS 214 (4)
PHYS 114 (4)	GE (D2) (3)
GE (B2) (4)	GE (D3) (3)
GE (C) (4)	GE (D4) (3)
	GE (D5) (3)
JUNIOR YI	EAR: 31 Units
Fall Semester (16 Units)	Spring Semester (15 Units)
ENSP 201 (1)	ENSP 430 (2)
ENSP 330 (4)	ENSP 438 (4)
ENSP 338 (4)	GE (E) (3)
GE (C) (4)	Elective (3)
Elective (3)	Elective (3)
SENIOR YI	EAR: 28 Units
Fall Semester (15 Units)	Spring Semester (13 Units)
MATH 165 (4)	ENSP 430 (2)
ENSP 337 (4)	ENSP 437 (4)
ENSP 499 - Internship (4)	Elective (4)
Elective (3)	Elective (3)