

# SUSTAINABILITY UNDERGRADUATE MAJOR (BS, HBS)

Also available via Ecampus.

The Sustainability undergraduate major is a concurrent degree subject to Academic Regulation 26a (<http://catalog.oregonstate.edu/regulations>).

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Code	Title	Hours
<b>Sustainability Core</b>		
SUS 304	*SUSTAINABILITY ASSESSMENT	4
SUS 350	*SUSTAINABLE COMMUNITIES	4
<i>Ecological Dimensions of Sustainability</i>		
Select 3 to 4 credits from the following:		3-4
BI 301	*HUMAN IMPACTS ON ECOSYSTEMS <sup>1</sup>	
BI 306H	**ENVIRONMENTAL ECOLOGY	
SUS 102	*INTRODUCTION TO ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	
<i>Social Dimensions of Sustainability</i>		
Select 3-4 credits from the following:		3-4
SOC 381	SOCIAL DIMENSIONS OF SUSTAINABILITY (Ecampus only.)	
SOC 480	*ENVIRONMENTAL SOCIOLOGY	
SOC 481	*SOCIETY AND NATURAL RESOURCES	
SUS 420	SOCIAL DIMENSIONS OF SUSTAINABILITY (Ecampus, Cascades Campus)	
<i>Economic Dimensions of Sustainability</i>		
Select 3 to 4 credits from the following:		3-4
AEC 250	*INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY	
AEC 351	*NATURAL RESOURCE ECONOMICS AND POLICY	
AEC 352/ ECON 352	*ENVIRONMENTAL ECONOMICS AND POLICY	
AEC 434	^MEASURING RESOURCE AND ENVIRONMENTAL IMPACTS	
<b>Practicum</b>		
Select one of the following: <sup>2</sup>		3-12
SUS 401	RESEARCH	
SUS 410	INTERNSHIP <sup>3</sup>	
SUS 499	SPECIAL TOPICS	
<b>Remaining Elective credits</b>		

In addition to the required credits specified above, students must work with the sustainability program advisor to select courses relevant to their discipline and career path interests. 0-12

**Total credits required for graduation. See AR 26a.** 32

- <sup>1</sup> SUS 102 \*INTRODUCTION TO ENVIRONMENTAL SCIENCE AND SUSTAINABILITY recommended
- <sup>2</sup> Sustainability majors are required to complete a minimum of 3 Practicum credits. Before registering for a practicum, students must get practicum approved by Sustainability Double Degree advisor. Email: [Sus.advising@oregonstate.edu](mailto:Sus.advising@oregonstate.edu)
- <sup>3</sup> Note: SUS 410 INTERNSHIP credits may be achieved by participation in an IE3 Global Internship with advisor approval.
- \* Bacc Core Course (BCC)
- ^ Writing Intensive Course (WIC)

**Classes that can be used to fulfill remaining requirements are listed below.** Students are NOT limited to taking courses within their primary major of study. The Sustainability advisor(s) will approve courses not listed here if they have an obvious link to sustainability and fulfill the intent of the double degree. See the OSU Sustainability Office list of sustainability-related courses

Code	Title	Hours
<b>Business and Economics</b>		
AEC 250	*INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY	3
AEC 253	*ENVIRONMENTAL LAW, POLICY, AND ECONOMICS	4
AEC 351	*NATURAL RESOURCE ECONOMICS AND POLICY	3
AEC 352/ ECON 352	*ENVIRONMENTAL ECONOMICS AND POLICY	3
AEC 434	^MEASURING RESOURCE AND ENVIRONMENTAL IMPACTS	4
BA 302	BUSINESS PROCESS MANAGEMENT	4
BA 351	MANAGING ORGANIZATIONS	4
BA 352	MANAGING INDIVIDUAL AND TEAM PERFORMANCE	4
BA 362	SOCIAL ENTREPRENEURSHIP AND SOCIAL INITIATIVES	4
BA 432	*ENVIRONMENTAL LAW, SUSTAINABILITY AND BUSINESS	3
BA 465	*SYSTEMS THINKING AND PRACTICE	4
BA 466	INTEGRATIVE STRATEGIC EXPERIENCE	4
ECON 202	*INTRODUCTION TO MACROECONOMICS	4
ECON 311	INTERMEDIATE MICROECONOMIC THEORY	4
ECON 315	INTERMEDIATE MACROECONOMIC THEORY	4
MGMT 452	LEADERSHIP	4
<b>Engineering</b>		
BEE 221	FUNDAMENTALS OF ECOLOGICAL ENGINEERING	3
BEE 320	BIOSYSTEMS ANALYSIS AND MODELING	4
BEE 322	ECOLOGICAL ENGINEERING THERMODYNAMICS AND TRANSFER PROCESS	4
CCE 422	GREEN BUILDING MATERIALS	3
CHE 450	CONVENTIONAL AND ALTERNATIVE ENERGY SYSTEMS	3
CHE 451	SOLAR ENERGY TECHNOLOGIES	3

ECE 438	ELECTRIC AND HYBRID ELECTRIC VEHICLES	4	GEOG 331	*POPULATION, CONSUMPTION, AND ENVIRONMENT	3
ENGR 350	*SUSTAINABLE ENGINEERING	3	GEOG 360	GISCIENCE I: GEOGRAPHIC INFORMATION SYSTEMS AND THEORY	4
ENVE 321	ENVIRONMENTAL ENGINEERING FUNDAMENTALS	4	GEOG 430	RESILIENCE-BASED NATURAL RESOURCE MANAGEMENT	3
ENVE 322	FUNDAMENTALS OF ENVIRONMENTAL ENGINEERING	4	GEOG 431	GLOBAL RESOURCES AND DEVELOPMENT	3
HEST 310	*INTRO TO COMMUNITY ENGAGEMENT AND COMMUNITY-BASED DESIGN	3	GEOG 441	INTERNATIONAL WATER RESOURCES MANAGEMENT	3
<b>Natural Sciences</b>			GEOG 450	LAND USE IN THE AMERICAN WEST	3
BI 301	*HUMAN IMPACTS ON ECOSYSTEMS	3	GEOG 451	PLANNING PRINCIPLES AND PRACTICES FOR RESILIENT COMMUNITIES	4
BI 306	**ENVIRONMENTAL ECOLOGY	3	GEOG 452	SUSTAINABLE SITE PLANNING	3
BI 348	*HUMAN ECOLOGY	3	PH 313	*ENERGY ALTERNATIVES	3
BI 370	ECOLOGY	3	SOIL 475	SOIL RESOURCE POTENTIALS	4
BRR 325	*ENERGY TECHNOLOGY AND SOCIAL CHANGE	3	SOIL 499	SPECIAL TOPICS	1-16
BRR 350	INTRODUCTION TO REGIONAL BIOENERGY	2	SUS 103	*INTRODUCTION TO CLIMATE CHANGE	4
CH 374	*TECHNOLOGY, ENERGY, AND RISK	3	WSE 111	RENEWABLE MATERIALS FOR A GREEN PLANET	2
CH 390	ENVIRONMENTAL CHEMISTRY	3	WSE 210	*RENEWABLE MATERIALS TECHNOLOGY AND UTILIZATION	4
FES 341	FOREST ECOLOGY	3	WSE 266	*INDUSTRIAL HEMP	3
FES 355	MANAGEMENT FOR MULTIPLE RESOURCE VALUES	3	WSE 320	ANATOMY OF RENEWABLE MATERIALS	3
FES 365	*ISSUES IN NATURAL RESOURCES CONSERVATION (Ecampus or Cascades campus only.)	3	WSE 321	CHEMISTRY OF RENEWABLE MATERIALS	3
FES 435/TOX 435	*GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK	3	WSE 392	*BAMBOOLOOZA: THE FASCINATING WORLD OF BAMBOO	3
FES 445/FW 445	ECOLOGICAL RESTORATION	4	WSE 453	^FOREST PRODUCTS BUSINESS	3
FES 455/HORT 455	URBAN FOREST PLANNING, POLICY AND MANAGEMENT (Ecampus only.)	4	WSE 455	INDUSTRIAL MARKETING IN THE FOREST SECTOR	3
FES 477	*AGROFORESTRY	3	WSE 473	BIOENERGY AND ENVIRONMENTAL IMPACT	3
or NR 477	*AGROFORESTRY	3	WSE 475	ENVIRONMENTAL ASSESSMENT OF BUILDING MATERIALS	4
FES 485	*CONSENSUS AND NATURAL RESOURCES	3	<b>Social Sciences/Humanities</b>		
FOR 462	NATURAL RESOURCE POLICY AND LAW	3	AEC 250	*INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY	3
FW 251	PRINCIPLES OF FISH AND WILDLIFE CONSERVATION	3	AEC 253	*ENVIRONMENTAL LAW, POLICY, AND ECONOMICS	4
FW 303	SURVEY OF GEOGRAPHIC INFORMATION SYSTEMS IN NATURAL RESOURCE	3	AEC 351	*NATURAL RESOURCE ECONOMICS AND POLICY	3
FW 321	APPLIED COMMUNITY AND ECOSYSTEM ECOLOGY	3	AEC 352/ECON 352	*ENVIRONMENTAL ECONOMICS AND POLICY	3
FW 325	*GLOBAL CRISES IN RESOURCE ECOLOGY	3	AEC 434	^MEASURING RESOURCE AND ENVIRONMENTAL IMPACTS	4
FW 326	INTEGRATED WATERSHED MANAGEMENT	3	ANTH 481	*NATURAL RESOURCES AND COMMUNITY VALUES	3
FW 340	*MULTICULTURAL PERSPECTIVES IN NATURAL RESOURCES	3	COMM 408	WORKSHOP	1-16
FW 350	*ENDANGERED SPECIES, SOCIETY AND SUSTAINABILITY	3	COMM 440	THEORIES OF CONFLICT AND CONFLICT MANAGEMENT	3
FW 435	^WILDLIFE IN AGRICULTURAL ECOSYSTEMS	3	COMM 442	BARGAINING AND NEGOTIATION PROCESSES	3
FW 489	EFFECTIVE COMMUNICATIONS IN FISHERIES AND WILDLIFE SCIENCE	3	ENG 482	STUDIES IN AMERICAN LITERATURE, CULTURE, AND THE ENVIRONMENT	4
GEO 306	*MINERALS, ENERGY, WATER, AND THE ENVIRONMENT	3	HEST 310	*INTRO TO COMMUNITY ENGAGEMENT AND COMMUNITY-BASED DESIGN	3
GEO 309	*ENVIRONMENTAL JUSTICE	3	PHL 325	*SCIENTIFIC REASONING	4
GEOG 300	*SUSTAINABILITY FOR THE COMMON GOOD	3	PHL 390	MORAL THEORIES	3
GEOG 324	GEOGRAPHY OF LIFE: SPECIES DISTRIBUTIONS AND CONSERVATION	4	PHL 439	PHILOSOPHY OF NATURE	3
GEOG 330	**GEOGRAPHY OF INTERNATIONAL DEVELOPMENT AND GLOBALIZATION	3	PHL 440	*ENVIRONMENTAL ETHICS	3

PHL 443/REL 443	*WORLD VIEWS AND ENVIRONMENTAL VALUES	3
PS 331	*STATE AND LOCAL POLITICS	4
PS 370	*SCIENCE, RELIGION, AND POLITICS	4
PS 374	*SUSTAINABLE LIVING: PRACTICES AND POLICIES	4
PS 449	^TOPICS IN COMPARATIVE POLITICS	4
PS 461	ENVIRONMENTAL POLITICAL THEORY	4
PS 475	ENVIRONMENTAL POLITICS AND POLICY	4
PS 477	INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY	4
SOC 360	*POPULATION TRENDS AND POLICY	4
SOC 480	*ENVIRONMENTAL SOCIOLOGY	4
SOC 481	*SOCIETY AND NATURAL RESOURCES	4
WGSS 440	*WOMEN AND NATURAL RESOURCES	3
WGSS 450	ECOFEMINISM	3

\* Baccalaureate Core Course (BCC)

^ Writing Intensive Course (WIC)

**Major Code: 870**