SUSTAINABILITY
THE UNIVERSITY OF UTAH

Undergraduate Sustainability Certificate

The **Interdisciplinary Undergraduate Sustainability Certificate** integrates sustainability into general education and empowers students to approach primary courses of study through a sustainability lens. Students will learn and apply skills in the **equity-related, ecological, and economic dimensions** of sustainability.

The **Sustainability Certificate** requirements include a total of **21 credits**: **9 credits** of **SUSC** course work & **12 credits** of **SUSL** course work.

Along with 21 credits of sustainability designated courses, students will assemble a portfolio consisting of at least five assignments that demonstrate what a sustainability lens has brought to their major course of study.

Sustainability Designated Courses - SUSC

9 Credits (6 from outside of student's major)

College of Arch & Planning
ARCH 2615- Honors People and Place II **(FF)**
ARCH 2630- Design Foundations Workshop
CMP 2010- Design Ecologies **(BF)**
CMP 3100- Urban & Environmental Planning: Theory and Practice
CMP 3400- Economy of Cities
CMP 3850- Dark Sky Studies: Lightscapes
CMP 4020- Field Studies in Urban Ecology
CMP 4140- Planning for disasters and enviro change
CMP 4280- Ecological Planning Workshop
CMP 4360- Sustainability Planning
CMP 4380- Green Communities
CMP 4371- Complexity and Systems Thinking
DES 2630- Design Contexts **(FF)**

College of Business
MGT 3710- Leadership and Sustainability in Living Systems
MGT 4810- Advanced Professional Communication

College of Engineering
ECE 5630- Power Systems Economics
MSE 2010- Intro to MSE
MSE 2160/2170- Elements of MSE
ME EN 3600- Thermodynamics II

College of Fine Arts
ART 3640- Design Process
FILM 2600- Introduction to Animation Techniques
THEA 4804- Race and Gender in African American Literature

College of Health
NUIP 3220- Food Communication: Nutrition, Culture and Sust. **(BF)**
PRT 2101- Foundations of PRT
PRT 2320- Recreation Programming and Leadership
PRT 2520- Liability and Risk Management in PRT
PRT 3780- Program and Service Evaluation in PRT **(QI)(QR)**
PRT 5620- Exploring Sustainability in the Pacific Islands
PRT 5855- Seminar in Sustainable Tourism & Ecotourism
PRT 5875- Sustainable Tourism & Protected Area Management

Honors College
HONOR 2109- Intellectual Traditions: through an Ecological Lens I **(HF)**
HONOR 3900- Imagined Communities: Mapping the Ideal World **(HF)**
HONOR 4473- Seminar/Workshop in Fine Arts **(FF)**

College of Humanities
COMM 4360- Consuming the Earth
COMM 5360- Environmental Communication
COMM 5365- Communicating Climate Change
PHIL 3510- Business and Professional Ethics
PHIL 5540- Hydrotopia: Water Rights and the Environment
SPAN 3510- Business Spanish
WRTG 3015- Professional/Technical Writing **(CW)**
WRTG 3420- Writing for Enviro and Sustainability Studies **(CW)(HF)**

College of Mines and Earth Sciences
MET E 5780- Metals Manufacturing Processing

College of Social and Behavioral Sciences
ANTH 3140- Peoples and Cultures of Latin America **(IR)**
ANTH 3486- Human Ecology **(BF)(SF)**
ECON 5530- Principles of Economic Development
ENVST 2100- Introduction to Environment and Sustainability **(BF)**
ENVST 3210- Global Climate Change **(SF)**
GEOG 5210-Global Climate Change
ENVST 3364- Challenges to Global Sustainability **(IR)**
ENVST 3365- Environmental Justice **(DV)**
ENVST 3390- Sustainable Streams and Riparian Zones
ENVST 5554- Capstone: Climate & Energy
ENVST 5555-Capstone Conservation & Land Management
ENVST 5556-Capstone Sustainability Initiatives
ENVST 5557-Capstone Teaching for Sustainability Literacy
ENVST 5558-Capstone Food for Justice, Health, and Sust
ENVST 5559-Capstone Air, Water, & Health
GEOG 2400-Climate Change and Lost Cities **(BF)(SF)**
POLS 2100-Intro to International Relations **(BF)**
POLS 3390- Introduction to Environmental and Sustainability Policy **(BF)**
SOC 3436-Global Social Structure and Change **(IR)**
SOC 3720-Environmental Health Disparities

College of Science
BIOL 3460- Global Environmental Issues **(IR)(SF)**
BIOL 5435- Plant Systematics
BIOL 5440- Urban Ecology
PHYS 3150-Energy and Sustainability: A Global Perspective **(IR)**

School for Cultural & Social Transformation
ETHNC 2520- Diversity Scholars: What is Justice? **(HF)**
ETHNC 3870- American Indian Women **(BF)**
GNDR 5120- Gender & Nature

Sustainability Designated Courses - SUSL

12 Credits (six from outside of student's major)

College of Arch & Planning
ARCH 1615-Introduction to Architecture **(FF)**
ARCH 3375-Building Resilience
ARCH 4112-Site Planning and Urban Design
ARCH 4350-Environmental Controls
CMP 3101-Honors People and Place I **(BF)**
CMP 3200-Ecology of Human Settlements
CMP 3250-Planning Process and Methods
CMP 3270-Visual and Oral Communication
CMP 3851-Nightscapes
CMP 4010-Field Studies in Urban Ecology I **(QI)**
CMP 4030-Leadership in Community Engagement
CMP 4260-Land, Law and Culture **(CW)**
CMP 4410-Site Planning
CMP 4450-GIS for Urban Ecologists **(QI)**
CMP 4600-The Just City **(DV)**
CMP 4700-Planning and Design for Walking and Biking
CMP 4710-Intro to Transportation Planning
CMP 4720-Land Use and Transportation Planning
CMP 4954-Internship in Urban Ecology
DES 2615-Intro to Design Thinking **(FF)**

College of Business
BUS 4815-International Context of Business **(IR)**
ENTP 1010-Entrepreneurship and Society **(BF)**

College of Education
ECS 2150-Intro to Multicultural Education **(DV)**
ECS 3180-Home, School & Community Relations **(DV)**
ECS 4111-School & Society **(DV)(CW)(HF)**
ECS 5715 -Urban Education
ED PS 2030-Research & Inquiry in Education **(BF)**
ED PS 3720-Child Development & Learning **(BF)**
ED PS 3721-Child Development & Learning II **(BF)**
SP ED 3020-Special Ed, Globalization and International Persp **(IR)**

College of Engineering
BME 3801-bioDesign I
CH EN 5310-Concepts and Applications in Renewable Energy
CH EN 5158-Energy and Society
CH EN 5305-Air Pollution Control Engineering
CVEEN 1000-Introduction to Civil and Environmental Engineering
CVEEN 3610-Introduction to Environmental Engineering I
CVEEN 5410-Engineering Hydrology
CVEEN 4900-Professional Practice & Design
CVEEN 5500 -Sustainable Materials
CVEEN 5560-Transportation Planning
EAE 3020-Ethics n Videogrames
ME EN 5800-Sustainable Energy Engineering
ME EN 3610-Thermodynamics

College of Fine Arts
ART 3550-Art in the Community **(FF)**
ART 4695-Sustainable Design Practice
FILM 3520-Documentary and Social Justice **(FF)**
THEA 4630-Theatre for Social Action **(CW)**

College of Health
H EDU 4180-Community-Based Prevention Practices
H EDU 4350-Personal and Interdependent Resiliency
H EDU 5060-Global Health Promotion **(IR)**
H EDU 5300-Diversity and Health **(DV)(CW)**
NUIP 1020-Scientific Foundations of Human Nutr. & Health **(AS)**
NUIP 3550-Health Weight for Life
NUIP 3620-Cultural Aspects of Food **(IR)**
PRT 2100-Wilderness in America **(BF)**
PRT 3310-Leisure Behavior and Human Diversity **(DV)**
PRT 3500-Foundations of Outdoor Recreation Studies
PRT 3610-Responsible Travel and International Life **(IR)**
PRT 4430-Environmental Interpretation and Communication
PRT 5410-Land and Resource Recreation Planning
PRT 5420-Ecology and Management of Wildland Rec Settings
PRT 5735-Programming for Positive Youth Development
PRTL 1120-State Lands: Outdoor Cooking and Camping
PRTL 1150-Nature Photography
PRTL 1151-Advanced Nature Photography
PRTL 1219-Day Hikes Wasatch
PRTL 1221-Backpacking Lake Powell Area
PRTL 1224-Desert Backpacking
PRTL 1227-Bird Observation and Behavior
PRT 1244-Bike commuting
PRTL 1252 -Hiking and History of Canyonlands National Park
PRTL 1253-Hike Bryce National Park
PRTL 1256-Hiking Arches National Park

Honors College
HONOR 2005-City as Text: Salt Lake City
HONOR 2110-Intellectual Traditions through an Ecological Lens **(HF)**
HONOR 3245-Global Environmental Change **(AS)**

College of Humanities
COMM 3030-Communication and Social Responsibility **(CW)(HF)**
COMM 3115-Communication Science, Health, Environment
COMM 3290-Native American Activism **(DV)**
COMM 3710-Intro to Quantitative Comm. Research **(QI)**
COMM 4570-Visual Editing
COMM 4650-Environmental Reporting **(CW)**
COMM 5490-Communication and Social Justice
ENGL 2050-Literature of the American West
ENGL 5080-Studies in Environmental Literature
ENGL 5930-Theories of Race, Ethnicity, Nation
ENGL 5980-Ecocriticism
HIST 4380-U.S. Environmental History
HIST 4085-History of Technology
LING 3600-Cross-Cultural Communication **(CW)(HF)**
PCS 3500-Introduction to Peace and Conflict Studies
PHIL 3310-Science & Society **(HF)**
PHIL 3520-Bioethics **(HF)**
PHIL 3530-Environmental Ethics **(HF)**
PHIL 3730-Justice and International Affairs **(IR)**
PHIL 5530-Environmental Philosophy
RELS 4800-Spirituality and the Environment
SPAN 3940-Community Volunteering
WRTG 4905-Studies on Professional Discourses **(CW)**

College of Mines and Earth Sciences
ATMOS 1010-Severe/Unusual Weather **(SF)**
ATMOS 1020-Climate Change **(SF)**
ATMOS 3000-Prof. Development in the Atmos. Sciences
ATMOS 3100-Atmospheric Chemistry and Air Pollution **(IR)**
ATMOS 3200-Mountain Weather & Climate
ATMOS 5000-Introduction to Atmospheric Science **(QI)**
ATMOS 5020-Environmental Programming
ATMOS 5040-Environmental Statistics **(QI)**
ATMOS 5050-Environmental Instrumentation
ATMOS 5140-Physical Meteorology II: Atmospheric Radiation
ATMOS 5260-Snow Dynamics & Avalanche Studies
ATMOS 5270-Wind Power Meteorology
ATMOS 5400-The Climate System
GEO 1000-Earth Science in the Cinema **(SF)**
GEO 1050-National Parks: Geology Behind the Scenery
GEO 1110-Introduction to Earth Systems
GEO 3180-Paleobiology
GEO 3250-Geology of Utah **(SF)**
GEO 3300-The Water Planet **(SF)**
GEO 3800-The Oceans
GEO 5350-Groundwater
GEO 5650-Hydrology
GEO 5680-The Carbon Cycle
MET E 5320-Materials Engineering and Environment
MG EN 5080-Sustainable Resource Development

Nursing
NURS 4110-Global Health Nursing
NURS 4510-Global Public Health

College of Social and Behavioral Sciences
ANTH 3145-Human Migration and Social Change **(IR)**
ANTH 5234-Population Issues in Anthropology **(QB)(QI)**
ANTH 3261-Paleoanthropology
ANTH 5340-Paleoethnobotany
ECON 2030-Economics in the Context of Society **(BF)**
ECON 3190-Health Economics
ECON 3250-Intro to Enviro and Natural Resource Economics
ECON 3640-Probability & Statistics for Economists **(QB)**
ECON 4650-Principles of Econometrics
ECON 5180-Poverty and Inequality
ECON 5250-Environmental and Natural Resource Economics
ECON 5470-Industrialization and Economic Development **(CW)**
ENVST 2000-Field Experience: Environment and Sustainability
ENVST 2050-Intro to Environmental and Sustainability Science **(SF)**
ENVST 3368-Energy Choices for the 21st Century **(SF)**
ENVST 5180-Field Ecology
ENVST 5400-Environmental and Sustainability Leadership
ENVST 5650-Eating for Justice, Health, and Sustainability
ENVST 5800-Sustainability in Costa Rica
FCS 3200-Research Methods in Family & Consumer Studies
FCS 3620-Environmental Psychology & Sustainability
FCS 5450-Nonprofit Community Organizations
FCS 5630-Healthy Communities

College of Science (middle column continued)
GEOG 1100-Exploring the World Through Google Earth **(SF)**
GEOG 1300-World Regional Geography **(BF)**
GEOG 1400-Human Geography **(BF)**
GEOG 3090-Introduction to Medical Geography
GEOG 3100-Introduction to GIS& Cartography **(QI)**
GEOG 3110-Remote Sensing of Environment
GEOG 3200-Geomorphology: Mountains, Rivers, Deserts
GEOG 3205-Regional and Global Climates
GEOG 3215-Climate Change and its Impacts
GEOG 3270-Biogeography: Global Patterns of Life **(CW)(SF)**
GEOG 3292-Snow and Ice
GEOG 3330-Urban Environmental Geography **(SF)**
GEOG 3350-Resource Conservation & Environ Management **(SF)**
GEOG 3400-Population Geography **(CW)**
GEOG 3440-Global Economic Geography **(IR)**
GEOG 3600-Geography of Utah
GEOG 3610-World Cities **(IR)(SF)**
GEOG 5110-Environmental Analysis Through Remote Sensing
GEOG 5120-Environmental Optics
GEOG 5190-GIS Environmental & Public Health
GEOG 5201-Geomorphology of Arid Lands **(SF)**
GEOG 5202-Advanced Topics in Geomorphology
GEOG 5275-Vegetation & Climate Change
GEOG 5280-Quaternary Environments
GEOG 5385-Environmental Assessment & Impact Analysis
GEOG 5410-Paleoclimatology
GEOG 5712-Paleoenvironmental Field Methods
POLS 3320-Intro to Public Policy Analysis
POLS 3680-Globalization & World Politics **(IR)**
POLS 5321-Health Policy
POLS 5322-Environmental and Sustainability Policy
POLS 5510-Water Policy and Politics
POLS 5540-Nonprofit Advocacy
POLS 5550-Nonprofit and Nongovernmental Organizations
POLS 5625-International Ethics
POLS 5810-Dem. Activism & Social Change/Research Seminar **(CW)**
PSY 2410-Eat, Work, Play, Sleep – Psychology,Everyday Life
PSY 2500-Social Psychology
PSY 4130-Cognition in the Wild
SOC 1020-Current Social Problems in America **(BF)**
SOC 1010-Intro to Soc **(BF)**
SOC 3111-Research Methods **(CW)**
SOC 3380-Social Inequality in the Land of Opportunity **(DV)**
SOC 3381-Exploring Social Inequality through Music and Film **(BF)(DV)**
SOC 3422-Sociology of Social Movements
SOC 3480-Environmental Sociology **(IR)**
SOC 3486-Global Environmental Crisis
SOC 3650-Population and Society **(IR)(QI)(QR)**
SOC 3653-Global Population Problems
SOC 4085-Cities & Communities
SOC 4674-Global Health

College of Science
BIOL 1010-Biology in the 21st Century **(DV)(SF)**
BIOL 2355-Field Botany
BIOL 2400-Principles of Wildlife Ecology and Conservation **(AS)**
BIOL 3410-Ecology and Evolution
BIOL 3430-Behavioral Ecology
BIOL 3440-Global Change Ecology
BIOL 3450-Rain Forest Ecology and Conservation **(IR)(SF)**
BIOL 3470-Conservation Biology **(AS)**
BIOL 3670-Science Communication and Mentoring Skill **(CW)**
BIOL 5345-Natural History of the Colorado Plateau
BIOL 5455-Desert Ecology Field Course
BIOL 5460-Plant Ecology for a Changing World
BIOL 5465-Ecology Laboratory
BIOL 5490-Ecosystem Ecology
BIOL 5495-Biophysical Ecology **(QI)**
CHEM 1010-Chemistry, Humanity and the Environment **(SF)**
CHEM 5640-Material Chemistry for Alternative Energy
PHYS 3670 -Science Comm.& Mentoring Skill for Next Gen **(CW)**

School for Cultural & Social Transformation
ETHNC 3365-Ethnic Minorities in America **(DV)(BF)**
GNDR 1100-Gender & Social Change **(DV)(BF)**
GNDR 4765-Gender and War **(IR)**
GNDR 5080-Gender, Power and Freedom
GNDR 3500-Social Science Perspectives on Gender and Youth **(BF)**

Social Work
SW 3550-Social Diversity and Cultural Understanding **(DV)**
SW 4100-Global Community Based Research **(IR)**
SW 5535-Social Justice Advocacy Techniques and Skills