

SUSTAINABILITY, CERTIFICATE

REQUIREMENTS

REQUIREMENTS FOR THE CERTIFICATE

- A 3.00 GPA in all coursework that counts toward the certificate
- 12 credits of coursework total, 3 credits from each of the four main categories
- A sustainability-related community service project
- Courses taken on a pass/fail basis will not count toward the certificate.

ENVIRONMENTAL DIMENSION

Code	Title	Credits
Select minimum of 3 credits		
ENVIR ST/ SOIL SCI 101	Forum on the Environment	1-2
ENVIR ST/ATM OCN/ GEOSCI 102	Climate and Climate Change	3
ENVIR ST/ GEOSCI 106	Environmental Geology	3
ENVIR ST 117	GreenHouse Roots Seminar	1
ENVIR ST/GEOG 120	Introduction to the Earth System	3
ENVIR ST/ILS 126	Principles of Environmental Science	4
ENVIR ST/GEOG 127	Physical Systems of the Environment	5
SOIL SCI/ ATM OCN 132	Earth's Water: Natural Science and Human Use	3
ENVIR ST/ ATM OCN 171	Global Change: Atmospheric Issues and Problems	2-3
ENVIR ST/GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
ENVIR ST/ATM OCN/ GEOG 332	Global Warming: Science and Impacts	3
ENVIR ST/ ATM OCN 355	Introduction to Air Quality	3
ENVIR ST/ F&W ECOL/ ZOOLOGY 360	Extinction of Species	3

SOCIAL DIMENSION

Code	Title	Credits
Select minimum of 3 credits		
ENVIR ST 112	Environmental Studies: Social Science Perspectives	3
ENVIR ST/GEOG 139	Global Environmental Issues	3
C&E SOC/SOC 140	Introduction to Community and Environmental Sociology	4
ENVIR ST/ ENTOM 205	Our Planet, Our Health	3

GNS/ENVIR ST 210	Cultures of Sustainability: Central, Eastern, and Northern Europe	3
URB R PL 215	Welcome to Your Urban Future	3
C&E SOC/F&W ECOL/ SOC 248	Environment, Natural Resources, and Society	3
GEOG/ENVIR ST 337	Nature, Power and Society	3
ENVIR ST/GEOG 339	Environmental Conservation	4
ENVIR ST 349	Climate Change Governance	3
A A E/AGRONOMY/ NUTR SCI 350	World Hunger and Malnutrition	3
ECON 370	Economics of Poverty and Inequality	3
ENVIR ST/GEOG 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ PHILOS 441	Environmental Ethics	3-4
ENVIR ST/GEOG 537	Culture and Environment	4
SOC/C&E SOC/ ENVIR ST 540	Sociology of International Development, Environment, and Sustainability	3
C&E SOC/SOC 541	Environmental Stewardship and Social Justice	3

ECONOMIC DIMENSION

Code	Title	Credits
Select minimum of 3 credits		
A A E/ENVIR ST 244	The Environment and the Global Economy	4
A A E 246	Climate Change Economics and Policy	3
ENVIR ST/ M H R 310	Challenges & Solutions in Business Sustainability	3
A A E/ECON/ ENVIR ST 343	Environmental Economics	3-4
ECON 370	Economics of Poverty and Inequality	3
OTM 370	Sustainable Approaches to System Improvement	3
A A E/INTL ST 373	Globalization, Poverty and Development	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3
A A E/ECON 474	Economic Problems of Developing Areas	3
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	3
R M I 650	Sustainability, Environmental and Social Risk Management	3
REAL EST 651	Green - Sustainable Development	3

SYSTEMS DIMENSION

Code	Title	Credits
Select minimum of 3 credits		
ENVIR ST 326	Sustainability Tools: Systems Thinking & Life Cycle Assessment	3

AGRONOMY 375	Special Topics (Systems Thinking only)	1-4
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Systems Thinking only)	1-4
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.

MULTIDIMENSIONAL AND CROSS-TOPICS COURSES

Code	Title	Credits
May use maximum of 3 credits to substitute for 3 credits from one of the four categories above; requires special permission		
ED POL 150	Education and Public Policy (Climate Change and Sustainability Education only)	3
HORT/PL PATH 261	Sustainable Turfgrass Use and Management	2
ENVIR ST/BSE 367	Renewable Energy Systems	3
HORT 375	Special Topics (A Growing Dilemma: The Future of Food only)	1-4
ENVIR ST 402	Special Topics: Social Perspectives in Environmental Studies (Green Urbanism only)	1-4
CURRIC/C&E SOC/ ENVIR ST 405	Education for Sustainable Communities	3
ENVIR ST 417	Sustainability Science, Technology and Policy	1
INTER-AG 471		3
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1
GEOG 475	Topics in Geography (Green Urbanism only)	1-4
LAND ARC 563	Designing Sustainable and Resilient Regions	4
INTEREGR 601	Topics in Interdisciplinary Engineering (Interdisciplinary Design for Energy and Sustainability only)	1-3

EXCEPTIONS

Students may request to substitute a course that is listed in one of the four dimensions with a course listed as a "Multidimensional and Cross-Topics Course". Requests can be granted to the extent that the student's proposed course portfolio still covers all four dimensions of the certificate's curriculum. Such a request requires that the student submits a written explanation how the substitute course meets the learning outcomes (<https://guide.wisc.edu/undergraduate/environmental-studies/environmental-studies/sustainability-certificate/#learningoutcomestext>) of the certificate and assists the student in reaching his or her individual goals for taking the certificate. Please also submit a syllabus of the substitute class. All substitution requests require approval by the certificate's faculty advisor, Ann Terlaak (ann.terlaak@wisc.edu).