

SUSTAINABILITY, CERTIFICATE

REQUIREMENTS

REQUIREMENTS FOR THE CERTIFICATE

- A 2.00 GPA in all coursework that counts toward the certificate
- 12 credits of coursework, 3 credits from each of the four main categories below
- 1 credit in ENVIR ST 398 Independent Study: Sustainability Community Engagement for a sustainability-related community service project or 2 credits in ENVIR ST 317 Community Environmental Scholars Program Seminar
- 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/ILS 255	Introduction to Sustainability Science	4
ENVIR ST/ GEOG 309	People, Land and Food: Comparative Study of Agriculture Systems	3
CIV ENGR 311	Hydroscience	3
SOIL SCI 327	Environmental Monitoring and Soil Characterization for Earth's Critical Zone	4
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
PUB AFFR 366	U.S. Environmental Politics and Public Policy	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
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		3
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

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		
LAND ARC 211	Shaping the Built Environment	3
HORT/PL PATH 261	Sustainable Turfgrass Use and Management	2
ED POL 320	Climate Change, Sustainability, and Education	3
ENVIR ST/ GEOG 333	Green Urbanism	3
ENVIR ST/BSE 367	Renewable Energy Systems	3
CURRIC/C&E SOC/ ENVIR ST 405	Education for Sustainable Communities	3
ENVIR ST 417	Sustainability Science, Technology and Policy	1
DY SCI/ AGRONOMY 471	Food Production Systems and Sustainability	3
DY SCI/AN SCI/ FOOD SCI/ SOIL SCI 472	Animal Agriculture and Global Sustainable Development	1
CIV ENGR 495	Sustainable Building and Materials	3
URB R PL 551	Climate Action Planning: Sustainable Transportation	3
LAND ARC 563	Designing Sustainable and Resilient Regions	4

EXCEPTIONS

Students can request to use a maximum of 3 credits from the "Multidimensional and Cross-Topics Courses" list to substitute for 3 credits from the economic, social or environmental category. 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.

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.