

SUSTAINABILITY, GRADUATE/ PROFESSIONAL CERTIFICATE

REQUIREMENTS

This certificate requires 12 credits. Each student must complete one course representing each of the following three categories (for at least 9 credits) and complete ENVIR ST 900 Seminar (Topic: Sustainability Capstone):

1. Economics & Development (Economy)
2. Systems Analysis, Planning & Engineering (Systems)
3. Environmental Policy, Health & Social Studies (Environment, Culture and Society)

Students also pursuing the Certificate in Business, Environment, and Social Responsibility (<http://guide.wisc.edu/graduate/business-school-wide/business-environment-social-responsibility-graduate-professional-certificate/>) can overlap a maximum of 6 credits between the two certificates.

Economics & Development (Economy) (Pick one course from the list below)

Code	Title	Credits
GEOG/ ENVIR ST 557	Development and Environment in Southeast Asia	3
ENVIR ST/A A E/ ECON/URB R PL 671	Energy Economics	3
GEOG/ ENVIR ST 534	Environmental Governance: Markets, States and Nature	3
A A E 643	Foundations of Environmental and Natural Resource Economics	3
R M I 650	Sustainability, Environmental and Social Risk Management	2-3
REAL EST 651	Green - Sustainable Development	3
A A E/ECON/ F&W ECOL 531	Natural Resource Economics	3
OTM 770	Sustainable Approaches to System Improvement	4
ENVIR ST 977	Sustainable Development - Integral Perspective	3

Systems Analysis, Planning & Engineering (Systems) (Pick one course from the list below)

Code	Title	Credits
CIV ENGR 494	Civil and Environmental Engineering Decision Making	3
E P D 660	Core Competencies of Sustainability	3
CIV ENGR/G L E 421	Environmental Sustainability Engineering	3

ENVIR ST 900	Seminar (Topic: Infrastructure & Indigenous Water Resources)	1-3
ENVIR ST/BSE 367	Renewable Energy Systems	3
URB R PL 841	Urban Functions, Spatial Organization and Environmental Form	2-3
GEOG 507	Waste Geographies: Politics, People, and Infrastructures	3
BSE 473	Water Management Systems	3
CIV ENGR 629	Special Topics in Environmental Engineering (Topic: Infrastructure: Case Studies Exploring Sustainability and Climate Change in Engineered Works)	1-3
GEOG/ENVIR ST/ LAND ARC/ URB R PL 532	Applications of Geographic Information Systems in Planning	3
ENVIR ST/ LAND ARC/ SOIL SCI 695	Applications of Geographic Information Systems in Natural Resources	3
LAND ARC 511	Geodesign Methods and Applications	3

Environmental Policy, Health & Social Studies (Environment, Culture and Society) (Pick one course from the list below)

Code	Title	Credits
AGRONOMY/ AGROECOL/ ENVIR ST 724	Agroecosystems and Global Change	3
PUB AFFR/ ENVIR ST/ POLI SCI 866	Global Environmental Governance	3
ENVIR ST/ ECON/POLI SCI/ URB R PL 449	Government and Natural Resources	3-4
ENVIR ST/ CURRIC 932	Foundations of Environmental and Sustainability Education	3
ENVIR ST/ URB R PL 843	Land Use Policy and Planning	3
HISTORY/ENVIR ST/ LEGAL ST 430	Law and Environment: Historical and Contemporary Perspectives	3
LSC/ENVIR ST/ JOURN 823	Science and Environment Communication	3
GEOG/ ENVIR ST 439	US Environmental Policy and Regulation	3-4
ENVIR ST/ URB R PL 865	Water Resources Institutions and Policies	3
GEOG/ ENVIR ST 537	Culture and Environment	4
GEN&WS/ INTL ST 535	Women's Global Health and Human Rights	3
ANTHRO 917	Globalization and Transnational Cultures	3