

# Sustainability Certificate

## Sustainability Certificate

Sustainability encompasses a broad spectrum of interdisciplinary topics that address how to promote human prosperity while protecting the planet. The Certificate in Sustainability equips students to:

- Understand the ways in which the economy, environment and human welfare can operate in harmony
- Understand how to apply a systems thinking approach
- Recognize and address the UN Sustainable Development Goals (SDGs)

Students select electives within the Foundations and Integrative Perspectives categories. Foundation electives reside within three distinct bin types: Scientific Reasoning, Responsibility and Human Condition. Integrative Perspective electives also reside in three distinct bin types: Natural Systems and Stewardship, Social and Cultural Dimensions, and Business, Technology and Policy. Together these electives aim to provide students with a comprehensive understanding of sustainability and environmental literacy.

This university wide certificate is for students interested in exploring Sustainability. There is one required course with twelve elective credits to reach the minimum of fifteen credits. As students complete this certificate there is a required, non-credit, reflection form and advisor meeting. This form may be obtained from the Sustainability Advising Director.

### Required Course

CONSTR 1015	Introduction to Sustainability	3
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**Foundations - Choose one course from two bins** **6-7**

#### Scientific Reasoning

BIOL 1012	Life: The Natural World
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BIOL 2051	General Biology: Organismal Diversity
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EARTHSCI 1400	Introduction to Environmental Earth Science
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GEOG 2250	Nature-Society Relations
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PHYSICS 1000	Physics in Everyday Life
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#### Responsibility

CHEM 1012	Matter Matters
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EARTHSCI 3336	Natural Resources and Civilizations
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ECON 1001	Economics of Social Issues
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HIST 3110	Conflict and Justice in History: (Topic) (with Sustainability theme)
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PHIL 1560	Science, Technology, and Ethics (STE)
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#### Human Condition

ANTH 3010	Climate Change, Human Migration and Conflict
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FAM SERV 1140	Exploring Family Diversity
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GEOG 1110	Global Geography
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GEOG 1120	Peoples, Cultures, and Environments
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HIST 1210	Making the Modern World
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PHIL/RELS 2550	Environmental Ethics
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**Integrative Perspectives - Choose one course from two bins** **6-7**

#### Natural Systems and Stewardship Dimensions

BIOL 3100	Evolution, Ecology and the Nature of Science*
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EARTHSCI 1300	Introduction to Geology
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EARTHSCI 1410	Field Studies in _____
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GEOG 2210	Modern Climate Change: Evidence and Predictions
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GEOG 4310/5310	GIS Applications: (Variable Topic)*
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PH 3710	Environmental Health Science
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RTNL 3778/5778	Community Based Tourism
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RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment
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RTNL 4776/5776	Eco, Adventure and Sport Tourism
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#### Social and Cultural Dimensions

CAP 3173/ PHIL 3510/RELS 3510	Bio-Medical Ethics
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GEOG 4115/5115	Climate Change and Social Justice
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GEOG 4120/5120	Demography and Population Geography
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HIST 2210	Problems & Perspectives in Global History: (Topic)
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HIST 4170/5170	U.S. Environmental History
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PHIL 1040	Justice and the Good Life: Philosophical Perspectives
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RTNL 4552/5552	Outdoor Education and Leadership
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SPAN 3023	Cultures and Civilization of Spain*
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#### Business, Technology and Policy Dimensions

ACCT 2130	Principles of Managerial Accounting*
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BIOL 4157/5157	Biostatistics*
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ECON 3125	Economics of Sustainability*
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ECON 3225/5225	Environmental Economics*
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GEOG 2350	Intro to Environmental Data Analysis
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GEOG 2410	Geographic Information Systems I
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GEOG 3220	Environmental Geography: Variable Topic*
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GEOG 4170/5170	Climate Action Planning
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## Sustainability Certificate

GEOG 4370/5370	Remote Sensing of the Environment
INTDSGN 1001	Introduction to Applied Design
MGMT 3167	Global Supply Chain Management*
MKTG 3163	Distribution and Logistics*
PHYSICS 4300/5300	Introduction to Electronics*
PHYSICS 4310/5310	Physical Computing*
POLSCI 1048	Introduction to Public Administration
POLSCI 2131	American State Politics
STAT 3771/5771	Applied Statistical Methods for Research*
TECH 1010	Fundamentals of Metal Removal
TECH 3148	Machine Design*
TECH 3180	Lean and Sustainable Operations*
<b>Total Hours</b>	<b>15-17</b>

\* Some of the courses listed may require prerequisites prior to enrollment. Consult with the UNI course catalog or appropriate department to determine requirements for the courses.

## Related Programs

- Biology: Ecology, Evolution and Organismal Biology B.A.
- Earth Science B.A.
- Environmental Resource Management B.A.