

## 2024-2025 Sustainability Certificate AND Minor Course Plan

**Declaring a Sustainability Certificate or Minor** ([Click HERE](#)) – Fill in your data, then use the ADD NEW PROGRAM INFORMATION section to add the Sustainability Certificate OR Minor

**Differences between UNI's Sustainability Programs** – All opportunities are based on the same course offering structure.

UNIFI Sustainability Certificate – 9 credit hours

UNI Sustainability Certificate – 15 to 17 credit hours

UNI Sustainability Minor – 21 to 24 credit hours

**1. Required Intro. Course** – Ideally taken at the beginning of the program, but may be taken at anytime

Required Intro course	Title	Semester offered	Professor	Credit hours	Prerequisites
Tech 1015	Introduction to Sustainability	Fall, Spring	Rumsey	3	UNIFI - None

**2. Foundation** - [**Certificate**: Complete ONE course from TWO BINS, **Minor**: Complete ONE course from EACH BIN]

Scientific Reasoning	Title	Semester offered	Professor	Credit hours	Prerequisites
BIOL 1012/1013	Life: Natural World Lecture/Lab	Fall, Spring	Variable	4	UNIFI - None
BIOL 2051	General Biology Organismal Diversity	Fall, Spring	Variable	4	UNIFI - None
EARTHSCI 1400	Intro. to Environmental Earth Science	Variable	Heinzel	3-4	UNIFI - None
GEOG 2250	Nature-Society Relations	Fall, Spring	Variable	3	UNIFI - None
PHYSICS 1000	Physics in Everyday Life	Fall, Spring	Variable	4	UNIFI - None

Responsibility	Title	Semester offered	Professor	Credit hours	Prerequisites
CHEM 1012	Matter Matters	Fall	Variable	3	UNIFI - None
EARTHSCI 3336	Natural Resources and Civilizations	Variable	Heinzel	3	UNIFI - None
ECON 1001	Economics of Social Issues	Fall, Spring	Variable	3	UNIFI - None
HIST 3110	Conflict & Justice w/Sustainability Theme	Fall, Spring	Variable	3	UNIFI - None
PHIL 1560	Science, Technology & Ethics	Fall, Spring	Variable	3	UNIFI - None

Human Condition	Title	Semester offered	Professor	Credit hours	Prerequisites
ANTH 3010	Climate Change, Human Migration & Conflict	Variable	Grey	3	UNIFI - None
FAM SERV 1140	Exploring Family Diversity in America	Variable	Variable	3	UNIFI - None
GEOG 1110	Global Geography	Fall, Spring, Summer	Variable	3	UNIFI - None
GEOG 1120	Peoples, Cultures & Environments	Fall, Spring, Summer	Variable	3	UNIFI - None
HIST 1210	Making the Modern World	Fall and Spring	Variable	3	UNIFI - None
PHIL/RELS 2550	Environmental Ethics	Variable	Earle	3	None

**3. Integrative Perspectives** – [**Certificate**: Complete ONE course from TWO BINS, **Minor**: Complete ONE course from EACH BIN]

Natural Systems	Title	Semester offered	Professor	Credit hours	Prerequisites
BIOL 3100	Evolution, Ecology & Nature of Science	Fall, Spring	Variable	3	Prerequisite(s): <a href="#">BIOL 2051</a> ; <a href="#">BIOL 2052</a> ; <a href="#">CHEM 1110</a> and <a href="#">CHEM 1120</a> , or <a href="#">CHEM 1130</a> . <a href="#">BIOL 3100</a> and <a href="#">BIOL 3140</a> cannot be taken concurrently.
EARTHSCI 1300	Intro. to Geology	Fall, Spring	Variable	4	UNIFI - None
EARTHSCI 1410	Field Studies in _____	Variable	Variable	1-3	None
GEOG 2210	Modern Climate Change	Even Falls	Larson	3	None
GEOG 4310/5310	GIS Applications	Spring	Variable	3	<a href="#">GEOG 2410</a> ; junior standing
PH 3710/5710	Environmental Health Science	Fall	Rich	3	junior standing
RTNL 3778/5778	Community Based Tourism	Even Springs	Hanson	3	junior standing
RTNL 4554/5551	Managing Recreation Impacts on the Natural Environment	Fall	Martin	3	junior standing
RTNL 4776/5776	Eco, Adventure and Sport Tourism	Odd Falls	Variable	3	junior standing

Business Technology & Policy	Title	Semester offered	Professor	Credit hours	Prerequisites
ACCT 2130	Principles of Managerial Accounting	Fall, Spring, Summer	Variable	3	Subsequent to successfully completing a 100/3000/4000-level Accounting course, neither <a href="#">ACCT 2120</a> nor <a href="#">ACCT 2130</a> may be repeated. Prerequisite(s): C- or better in <a href="#">ACCT 2120</a> ; sophomore standing
BIOL 4157/5157	Biostatistics	Fall	Elgersma	3	<a href="#">MATH 1140</a> , or <a href="#">MATH 1120</a> and <a href="#">MATH 1130</a> , or <a href="#">MATH 1420</a> , or <a href="#">STAT 1772</a> , or equivalent; <a href="#">BIOL 3100</a> ; <a href="#">BIOL 3140</a> ; junior standing.
ECON 3125	Economics of Sustainability	Variable	Rosburg	3	<a href="#">ECON 1001</a> or <a href="#">ECON 1031</a> or <a href="#">ECON 1041</a> or <a href="#">ECON 1051</a> or consent of instructor; junior standing
ECON 3225/5225	Environmental Economics	Variable	Rosburg	3	<a href="#">ECON 1041</a> ; <a href="#">ECON 1051</a> ; junior standing
GEOG 2350	Intro. to Enviro. Data Analysis	Even Springs	Variable	3	None
GEOG 2410	Geographical Information Systems	Fall, Spring	Variable	3	None
GEOG 3220	Environmental Geography	Variable	Variable	3	<a href="#">GEOG 1120</a> or <a href="#">GEOG 1210</a> or <a href="#">GEOG 2210</a> or <a href="#">GEOG 1110</a> or consent of instructor.
GEOG 4170/5170	Climate Action Planning	Even Springs	Oberle	3	junior standing
GEOG 4370/5370	Remote Sensing of the Environment	Odd Falls	Liang	3	junior standing
INTDSGN 1001	Intro. to Applied Design	Fall	Betrabet Gulwadi	3	None
MGMT 3167	Global Supply Chain Management	Spring	Anderson	3	<a href="#">MGMT 3154</a> ; <a href="#">ACCT 2120</a> ; <a href="#">ACCT 2130</a> ; <a href="#">MGMT 2080</a> ; <a href="#">STAT 1772</a> or equivalent; <a href="#">ECON 2090</a> ; <a href="#">ECON 1011</a> ; junior standing.
MKTG 3163	Distribution and Logistics	Fall, Spring	Iyer	3	<a href="#">MKTG 2110</a> ; <a href="#">ECON 1031</a> or <a href="#">ECON 1041</a> ; junior standing
PHYSICS 4300/5300	Intro. to Electronics	Fall	Kidd	4	<a href="#">PHYSICS 1512</a> or <a href="#">PHYSICS 1702</a> ; <a href="#">MATH 1421</a> ; junior standing
POL AMER 1048	Intro. to Public Administration	Fall, Spring	Renfro	3	None
POL AMER 2131	American State Politics	Fall	Holmes	3	None
STAT 3771/5771	Applied Statistical Methods for Research	Spring	Ecker	3	<a href="#">STAT 1774</a> or <a href="#">STAT 1772</a> ; junior standing
TECH 1010	Fundamentals of Metal Removal	Spring	Revuru	3	None
TECH 3148	Machine Design	Fall	Igou	3	<a href="#">MATH 1150</a> or <a href="#">MATH 1420</a> ; <a href="#">PHYSICS 1511</a> or <a href="#">PHYSICS 1701</a> ; junior standing or consent of instructor
TECH 3180	Lean and Sustainable Operations	Spring	Zhang	3	<a href="#">MATH 1150</a> or <a href="#">MATH 1420</a> or <a href="#">STAT 1772</a> ; junior standing or consent of instructor

Social Cultural	Title	Semester offered	Professor	Credit hours	Prerequisites
PHIL/RELS 3510	Bio-Medical Ethics	Fall, Spring	Degnin	3	UNIFI - None
GEOG 4115/5115	Climate Change and Social Justice	Odd Falls	Tabor	3	junior standing
GEOG 4120/5120	Demography and Population Geography	Even Springs	Variable	3	junior standing
HIST 4170/5170	U.S. Environmental History	Variable	Cutter	3	junior standing
PHIL 1040	Justice and the Good Life	Fall and Spring	Variable	3	UNIFI - None
RTNL 4552/5552	Theory and Practice of Outdoor Education	Spring	Martin	3	junior standing
SPAN 3023	Culture and Civilization of Spain	Variable	Variable	3	<a href="#">SPAN 3001</a> or <a href="#">SPAN 3006</a> or <a href="#">SPAN 3050/5050</a> or equivalent