

2024-2025 Sustainability Certificate AND Minor Course Plan – V12

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, 3 classes (Intro. + 2 courses)
 UNI Sustainability Certificate – 15 to 17 credit hours, 5 classes (Intro.+ Two Foundation + Two Integrative)
 UNI Sustainability Minor – 21 to 24 credit hours, 7 classes (Intro.+ Three Foundation + Three Integrative)

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

<i>Required Intro course</i>	<i>Title</i>	<i>Semester offered</i>	<i>Professor</i>	<i>Credit hours</i>	<i>Prerequisites</i>
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**]

<i>Scientific Reasoning</i>	<i>Title</i>	<i>Semester offered</i>	<i>Professor</i>	<i>Credit hours</i>	<i>Prerequisites</i>
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

<i>Responsibility</i>	<i>Title</i>	<i>Semester offered</i>	<i>Professor</i>	<i>Credit</i>	<i>Prerequisites</i>
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				<i>hours</i>	
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	<i>Title</i>	<i>Semester offered</i>	<i>Professor</i>	<i>Credit hours</i>	<i>Prerequisites</i>
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	<i>Title</i>	<i>Semester offered</i>	<i>Professor</i>	<i>Credit hours</i>	<i>Prerequisites</i>

BIOL 3100	Evolution, Ecology & Nature of Science	Fall, Spring	Variable	3	Prerequisite(s): BIOL 2051 ; BIOL 2052 ; CHEM 1110 and CHEM 1120 , or CHEM 1130 . BIOL 3100 and BIOL 3140 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	GEOG 2410 ; 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	<i>Title</i>	<i>Semester offered</i>	<i>Professor</i>	<i>Credit hours</i>	<i>Prerequisites</i>
ACCT 2130	Principles of Managerial Accounting	Fall, Spring, Summer	Variable	3	Subsequent to successfully completing a 100/3000/4000-level Accounting course, neither ACCT 2120 nor ACCT 2130 may be repeated. Prerequisite(s): C- or better in ACCT 2120 ; sophomore

BIOL 4157/5157	Biostatistics	Fall	Elgersma	3	MATH 1140 , or MATH 1120 and MATH 1130 , or MATH 1420 , or STAT 1772 , or equivalent; BIOL 3100 ; BIOL 3140 ; junior standing.
ECON 3125	Economics of Sustainability	Variable	Rosburg	3	ECON 1001 or ECON 1031 or ECON 1041 or ECON 1051 or consent of instructor; junior standing
ECON 3225/5225	Environmental Economics	Variable	Rosburg	3	ECON 1041 ; ECON 1051 ; 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	GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 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	MGMT 3154 ; ACCT 2120 ; ACCT 2130 ; MGMT 2080 ; STAT 1772 or equivalent; ECON 2090 ; ECON 1011 ; junior standing.
MKTG 3163	Distribution and Logistics	Fall, Spring	Iyer	3	MKTG 2110 ; ECON 1031 or ECON 1041 ; junior standing
PHYSICS 4300/5300	Intro. to Electronics	Fall	Variable	4	PHYSICS 1512 or PHYSICS 1702 ; MATH 1421 ; junior standing
PHYSICS 4310/5310	Physical Computing	Odd Springs	Variable	4	PHYSICS 1511 and PHYSICS 1512 , or PHYSICS 1701 and PHYSICS 1702 ; 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	STAT 1774 or STAT 1772 ; junior standing
TECH 1010	Fundamentals of Metal Removal	Spring	Revuru	3	None
TECH 3148	Machine Design	Fall	Igou	3	MATH 1150 or MATH 1420 ; PHYSICS 1511 or PHYSICS 1701 ; junior standing or consent of instructor
TECH 3180	Lean and Sustainable Operations	Spring	Zhang	3	MATH 1150 or MATH 1420 or STAT 1772 ; junior standing or consent of instructor

Social Cultural	<i>Title</i>	<i>Semester offered</i>	<i>Professor</i>	<i>Credit hours</i>	<i>Prerequisites</i>
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 2210	Problems and Perspectives in Global History	Fall and Spring		3	None
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	SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent
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