

B.S. Natural Resources Management

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

First Year

Fall

Course	Prerequisite	Credit
FW1050 – Natural Resource Professional (Essential Education: Seminar)		2
FW2010 – Vegetation of North America		4
FW2051 – Field Techniques		2
BL1400 – Principles of Biology (Essential Education: Science)		3
BL1410 – Principles of Biology Lab		1
UN1015 – Composition (Essential Education)		3
Total		15

Spring

Course	Prerequisite	Credit
CH1150 – University Chemistry I (Essential Education: Science)	Math Placement	3
CH1151 – University Chemistry I Lab	CH1150 (C)	1
EC2001 – Principles of Economics (Essential Education: Foundations)		3
MA1135 – Calculus for Life Science (Essential Education: Math)		3
<i>Essential Education: SHAPE</i>		3
<i>Essential Education: Activities</i>		1
Total		15

Second Year

Fall

Course	Prerequisite	Credit
FW2030 – Natural Resource Conservation		2
FW3020 – Forest Ecology	FW2010 (C), FW2051 (C)	3
FW3330 – Soil Science (Essential Education STEM)	CH1150/1151	4
MA2720 – Statistical Methods	MA1030 or MA1032	4
<i>Essential Education: Arts and Culture</i>		3
Total		16

Spring

Course	Prerequisite	Credit
FW3110 – Natural Resource Policy		3
FW3200 – Biometrics & Data Analysis	FW2051 & MA2720	4
FW3540 – Intro to GIS	MA2720 (C)	4
Free Elective		2
<i>Essential Education: Communication Intensive</i>		3
<i>Essential Education: Activities</i>		1
Total		17

Third Year

Fall

Course (taken as block at Ford Center)	Prerequisite	Credit
FW3012 – Survey of Silviculture	FW2010 & FW2051	2
FW3170 – Land Measurements/GPS	FW3540	1
FW3180 – Geomorphology, Landscapes, and Ecosystems		2
FW3190 – Multi-Resource Assessment	FW2051 & FW3020 & FW3200	3
FW3600 – Wildlife Habitat		3
FW3800 – Insect Ecology		2
FW3840 – Forest Health		3
Total		16

Spring

Course	Prerequisite	Credit
FW3510 – Outdoor Recreation & Tourism		3
FW4380 – Landscape Ecology & Planning	MA2720	3
FW4710 – Environmental Biogeochemistry	CH1150	3
<i>Essential Education: Intercultural Competency</i>		3
<i>Essential Education: Experience</i>		3
<i>Essential Education: Activities</i>		1
Total		16

Fourth Year

Fall

Course	Prerequisite	Credit
FW4150 – Forest Resource Mgmt	FW3012	3
FW4180 – Ethics of Conservation & Sustainability		3
FW4800 – Communications for Nat Res		2
FW4811 – Integrated Resources Data Collection (Capstone)	FW3190	2
Natural Resource Directed Elective		3
Business Directed Elective		3
Total		16

Spring

Course	Prerequisite	Credit
FW4830 – Integrated Nat Res Assessment (Capstone)	FW4811	2
Social Dimensions Directed Elective		3
Natural Resource Directed Elective		3
Natural Resource Directed Elective		3
Business Directed Elective		3
Free Elective		3
Total		17

Grand Total = 128 Credits

Natural Resource Electives (Choose min. 9 credits)		
Course #	Course Title & Credits	Prereq / Semester Offered
BL2160	Botany (4)	Spring
BL2170	Zoology (4)	Spring
BL4440	Fish Biology (4)	BL1400 & BL1410 / Fall
BL4447	Stream Ecology (3)	BL1400 & BL1410 / Fall – even years
FW1035	Wood Anatomy & Properties (3)	Spring
FW3320	Forest Genetics & Genomics (3)	Spring
FW3410	Conservation Science (3)	Fall
FW3610	Ornithology (4)	BL1400 & BL1410 / Spring
FW4114 or FW5115	Restoration Ecology (3)	Spring
FW4120	Tree Physiology (3)	Spring
FW4140	Stand & Forest Modeling (2)	FW3012 / Spring
FW4220	Wetlands (4)	BL1400 & BL1410 / Fall
FW4240	Mammalogy (4)	BL1400 & BL1410 / Fall
FW4300	Wildland Fire (3)	FW3020 & (FW3010 or FW3012) / Spring
FW4370	Forest & Landscape Hydrology (3)	Spring
FW4540	Remote Sensing of the Environment (3)	Fall
FW4545	Map Design w/ GIS (2)	FW3540 / Fall, Spring
FW4610	Wildlife Ecology (3)	BL3490 (C) or FW3020 (C) / Fall
FW4620	Herpetology (3)	BL1400 & BL1410 / Spring – odd years
GE2100	Environmental Geology (3)	Spring
GE4150	Natural Hazards (3)	GE2000 or GE2100 / Fall

Social Dimension Electives (Choose 3 credits)		
Course #	Course Title & Credits	Prereq / Semester Offered
FW3760	Human Dimensions of Natural Resources (3)	Fall
SS3315	Population, Health, & Environment (3)	UN1015 / Fall – odd years
SS3520	U.S. Environmental History (3)	UN1015 / Fall
SS3630	Environmental Policy & Politics (3)	UN1015 / Spring
SS3800	Energy Policy & Technology (3)	UN1015 / Spring
SS4010	Applied Statistics for the Social Sciences (3)	MA2720 / Fall – odd years
SS4200	Environmental Anthropology (3)	SS2100 & UN1015 / Fall
SS4313	Sustainability Science	Fall

Business Electives (Choose 6 credits)		
Course #	Course Title & Credits	Prereq / Semester Offered
ACC2000	Accounting Principles I (3)	Fall, Spring
BUS2300	Quantitative Problem Solving (3)	BUS2100 or MA2720 / Fall, Spring
EC3400	Economic Decision Analysis (3)	Fall, Spring
EC4500	Public Sector Economics (3)	EC2001 / On Demand
EC4640	Natural Resource Economics (3)	EC2001 or FW4080 / Fall
EC4650	Market Failure & the Environment (3)	EC2001 / Spring – odd years
MGT3000	Organizational Behavior (3)	Fall, Spring
MKT3000	Principles of Marketing (3)	Fall

NOTE:

Prerequisite courses:

- The prerequisite course must be successfully completed PRIOR to taking the subsequent course. Concurrent Prerequisites ~ (C) ~ may be taken at the same time, although it is not necessary if the prerequisite course is completed first. Required Corequisite courses that MUST be taken together in the same semester. See your academic advisor for questions.

Essential Education Requirements:

- 24 total credits. Required courses are UN1015-Composition (3 credits), a Foundations in the Human World course (3 credits), a Communication Intensive course (3 credits), an Arts & Culture course (3 credits), an Intercultural Competency (3000+) course (3 credits), a SHAPE course (3 credits), an Essential Education Experience (3000+) course (3 credits), and 3 credits of Activities for Wellbeing and Success. Activities for Well-being and Success: Mainly physical education courses with some additions. Three credits are required for graduation. These credits will be included as earned hours and may be used to determine full-time enrollment status.