Detailed Curriculum Guide

for the B.S. degree in

Natural Resources – Online

Overview: This detailed curriculum checklist is an overview of Natural Resources coursework for prospective students. An updated version of this checklist can be found on the Ecampus website: http://ecampus.oregonstate.edu/online-degrees/undergraduate/ls/curriculum.

Transfer Courses: The OSU Office of Admissions prepares an "advanced standing report" for admitted undergraduate students, which shows how your transfer courses have been evaluated. Post-bacc students do not get an advanced standing report; instead, prior work applicable to the Natural Resources degree will be evaluated by your advisor. The OSU Baccalaureate Core classes (general education requirements) are waived for post-baccs. If you have questions about transferring courses, please see the "Planning Your Degree" pages of our website: http://ecampus.oregonstate.edu/services/advising.

Next Steps: Once you are admitted, your academic advisor will assist you in selecting courses that reflect your goals and interests. You can look for courses offered through OSU Extended Campus in our Schedule of Classes: http://ecampus.oregonstate.edu/soc.

The Numbers Game

180 – the number of quarter credits necessary to graduate from OSU
60 – the minimum number of upper-division (300-400 level) credits required to graduate from OSU
124 – the maximum number of credits that can be transferred from a community college
45 – of last 75 credits must be OSU credits (academic residency requirement; includes OSU online courses)

Oregon State UNIVERSITY OSU Extended Campus

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Natural Resources Curriculum

DETAILED CURRICULUM GUIDE FOR THE B.S. IN NATURAL RESOURCES ~ DISTANCE VERSION

OSU requires a minimum of 180 credits to complete a bachelor's degree. Lower division and some upper division courses may be taken at other accredited institutions. Natural Resources students complete core classes in four areas: the **Baccalaureate Core** (OSU general education requirements), **Natural Resources Core**, **Natural Resources Breadth**, and a **Specialty Option** of their choice.

The **Natural Resources Core** provides a common educational background for NR majors, including mathematics, statistics, biology and ecology. Courses in water, earth and atmospheric sciences, and resource economics and policy broaden the NR curriculum base. Two seminars and a capstone course in natural resource decision-making round out the program. **Note: the required one-year sequence in lab biology is not offered through OSU Ecampus.** Your advisor will help you select equivalent coursework available to you locally or through an Oregon community college distance program.

The **Natural Resources Breadth** area consists of one course each from seven natural resource disciplines.

The **Specialty Option** provides focus and depth to the NR degree. The option is arranged around a central theme and contains coursework from at least three different departments. Distance students may choose the **Fisheries and Wildlife Conservation Option**, the **Natural Resource Policy Option**, the **Human Dimensions in Natural Resources Option**, or a student-designed **Individualized Specialty Option**.

As you use this guide, note that:

- **Courses offered through Ecampus are listed in bold under each category.**
- Be careful to identify course prerequisites for all classes.
- Transfer work from other institutions may be suitable for some of these requirements; please consult your advisor.
- A complete listing of courses fulfilling these requirements can be found at http://ecampus.oregonstate.edu/soc/default.htm
- This is merely a guide; please consult with your advisor for the most up to date requirements and course offerings.

OSU BACCALAUREATE CORE COURSES

The Bacc Core is an OSU requirement for all majors (Post-Bacc students need only to complete the Synthesis and Writing Intensive Courses). **A complete list of courses (both distance and non-distance) fulfilling the Bacc Core requirements is found at http://catalog.oregonstate.edu/bcc.aspx.** For course equivalencies from Oregon and other institutions, see http://oregonstate.edu/admissions/transfer/transfercredit.html.

SKILL COURSES (15)

( ) _____ Writing I (3)
WR 121

( ) _____ Writing II (3)
WR 214, WR 222, WR 323, WR 327, WR 330

( ) _____ Writing/Speech (3)
COMM 111 or any WR II Course not taken above

( ) _____ Lifetime Fitness for Health (3)
HHS 231 (2) or NFM 232 (2), plus **HHS 241** (1)

( ) Fulfilled in NR Core _____ Mathematics (3-4)
MTH 105, 111, 112, 211, 241, 245, 251

SYNTHESIS (6) *Both courses must be from different departments*

( ) _____ Contemporary Global Issues (3)
AREC 351, FOR 365, FW 325, GEO 300, GEO 308, PHL 443, SOC 454, SOC 480

( ) _____ Science, Tech & Society (3)
ANTH 481, AREC 352, ENSC 479, CSS 395, FW 470, GEO 300, GEO 306, GEO 335, HST 481, SOC 456, SOC 481, SOC 485

WRITING INTENSIVE COURSE (WIC)(3)

( ) _____ Writing Intensive Course (3)
AG 421, ENSC 479, FW 435, GEO 323, PS 449

PERSPECTIVES (27) *Only 2 courses may be used from 1 department*

Lab sciences (12):

( ) Fulfilled in NR Core _____ Physical Science w/lab (4)
( ) Fulfilled in NR Core _____ Bio. Science w/lab (4)
( ) Fulfilled in NR Core _____ Phys. or Bio. Science w/lab (4)

One class in each of the following five areas (15):
Suggested courses are shown below because they double-count elsewhere in your NR program, but many other courses are available!

( ) _____ Western Culture (3)
AREC 253 (double-counts in F&W S.O. or NR Policy S.O.)
PHL 201 (double-counts in NR Policy S.O.)

( ) _____ Cultural Diversity (3)

( ) _____ Literature & Arts (3)

( ) _____ Social Proc. & Inst. (3)

ECON 201 or **AREC250** (*pre-reqs for AREC351 and AREC352 in NR CORE*)

( ) _____ Difference, Power & Discrimination (3)
AG 301, FW 340 (double-counts in NR Breadth: Res. Values/Philosophy),
SOC 360 (double-counts in NR Breadth: Social and Political)

NATURAL RESOURCES CORE (45) *Additional on-campus courses fulfill requirements as well; please consult your advisor.*

***=Bacc Core, ^=WIC**

BIOLOGY AND ECOLOGY:

*BI 101, 102, 103 *(available online from Oregon's Clackamas CC)* ***or***
*BI 211, 212, 213 or equivalent *(biology for majors; not available online)*

( )_____* Biology I (4)
( )_____* Biology II (4)
( )_____* Biology III (4)

( ) _____General Ecology (3)
BI 370 *(prerequisite is one year of* ***biology for majors****, = BI 211-213)*
Contact advisor re: ecology class choices if you will be a student with a non-majors biology sequence (BI 101, 102, 103 or equivalent)

ATMOSPHERIC SCIENCE: *One of the following:*

( )_____

( ) **ATS 210**	Introduction to Atmospheric Sciences (3)
( ) **GEO 323**	**^**Climatology (4)

EARTH SCIENCE: *One of the following:*

( ) _____

( ) **CSS 205**	*Soils: Sustainable Ecosystems (4)
( ) **GEO 101**	*The Solid Earth
( ) **GEO 102**	*The Surface of the Earth
( ) GEO 201	*Physical Geology
( ) GEO 202	*Earth Systems Science

NATURAL RESOURCE DECISION MAKING:

( )_____

( ) **NR 455**	Natural Resource Decision Making (3)

MATHEMATICS AND STATISTICS:

( )_____*Mathematics (4)
MTH 112, 241, 245, 251 (Choose one)

( ) _____Statistics (4)
ST 201 (3), and **ST 209 (1) or ST 351 (4)** at OSU
Contact advisor for other online statistics class options.

RESOURCE ECONOMICS: *One of the following (pre-req ECON 201 or AREC250):*

( ) _____

( ) **AREC 351**	*Natural Resource Econ. and Policy (3)
( ) **AREC 352**	*Environmental Economics and Policy (3)

RESOURCE POLICY: *One of the following:*

( ) _____

( ) **PS 475**	Environmental Politics and Policy (4)
( ) **RNG 490**	Rangeland Management Planning (4)

WATER SCIENCE: *One of the following:*

( ) _____

( ) **OC 331**	Introduction to Oceanography (3)
( ) **RNG 355**	Desert Watershed Mgmt. (3) *(Prerequisite for RNG 455)*

TOPICS IN NATURAL RESOURCES:

( )_____

( ) **NR 201**	Managing NR for the Future (3)

( ) **or** 2 cr. chosen from: **CSS 499** (1, multiple topics), **or FOR 407** (1)

NATURAL RESOURCES BREADTH (21) *Additional on-campus courses fulfill requirements as well; please consult advisor.*

***=Bacc Core, ^=WIC**

AMENITY USES OF NATURAL RESOURCES: *One of the following:*

( ) _____

( ) **FOR 352**	Wilderness Management (3)
( ) **SOC 454**	*Leisure and Culture (4)

FISHERIES AND WILDLIFE: *One of the following:*

( ) _____

( ) **FOR/FW/RNG 346**	Topics in Wildland Fire (3)
( ) **FW 311**	Biology of Birds (3)
( ) **FW 315**	Biology of Fishes (3)
( ) **FW 317**	Biology of Mammals (3)
( ) **FW 320**	Introductory Population Dynamics (3)
( ) **FW 321**	Fisheries and Wildlife Res. Ecology (3)
( ) **FW 323**	Mgmt. Princ. of Pac. Salmon in the NW (3)
( ) **FW 435**	^Wildlife in Agricultural Ecosystems (3)
( ) **FW 481**	Wildlife Ecology (3)

FORESTRY: *One of the following:*

( ) _____

( ) **FOR 365**	*Issues in Nat. Resources Conservation (3)
( ) **FOR/FW/RNG 346**	Topics in Wildland Fire (3)

LAND AND WATER: *One of the following:*

( ) _____

( ) **CSS/GEO 335**	*Introduction to Water Science and Policy (3)
( ) **CSS 395**	*World Soil Resources (3)
( ) **FW 479**	Wetlands and Riparian Ecology (3)
( ) **GEO 300**	*Environmental Cons. & Sustainability (3)
( ) **GEO 306**	*Minerals, Energy, Water and the Env. (3)
( ) **RNG 355**	Desert Watershed Management (3)
( ) **RNG 455**	Riparian Ecology and Management (3) (*Prerequisite for RNG 455 is RNG 355*)

RANGE: *One of the following:*

( ) _____

( ) **FOR/FW/RNG 346**	Topics in Wildland Fire (3)
( ) **RNG 490**	Rangeland Management Planning (4)

RESOURCE VALUES/PHILOSOPHY: *One of the following:*

( ) _____

( ) **AG 301**	*Ecosystem Sci. of Pacific NW Indians (3)
( ) **ANTH 481**	Natural Resources and Comm. Values (3)
( ) **FW 340**	*Multicultural Perspectives in Nat. Res. (3)
( ) **HST 481**	*Environmental History of the U.S. (3)
( ) **PHL 440**	Environmental Ethics (3)
( ) **PHL 443**	*World Views and Env. Values (3)

SOCIAL AND POLITICAL: *One of the following:*

( )_____

( ) **CSS/GEO 335**	*Introduction to Water Science and Policy (3)
( ) **HST 481**	*Environmental History of the U.S. (3)
( ) **PS 449**	^Topics in Comparative Politics (4)
( ) **PS 475**	Environmental Politics and Policy (4)
( ) **SOC 360**	*Population Trends and Policy (4)
( ) **SOC 456**	*Science and Tech. in Social Context (4)
( ) **SOC 480**	*Environmental Sociology (4)
( ) **SOC 481**	*Society and Natural Resources (4)
( ) **SOC 485**	*Consensus and NR Issues (3)

NATURAL RESOURCES MAJOR

Specialty Option: Fish and Wildlife Conservation

[Part of the Natural Resources degree is a 50 credit hour concentration referred to as the Specialty Option. Distance education students choose one of these three options: Natural Resource Policy, Human Dimensions in Natural Resources, or Fisheries and Wildlife Conservation.]

Goal of Specialty Option:

- To prepare the student for a career in the broad arena of natural resource and wildlife conservation, with an emphasis on understanding of the relationship between animal species and their habitat requirements and the ability to apply this knowledge to the management of ecosystems as a means of conserving fish and wildlife.

Knowledge Gained:

- Background in basic biological, physical, and social sciences which underlie sound management and conservation of the nation's natural resources, with emphasis on fish and wildlife.
- Understanding of how humans have impacted the environment and the implications of these impacts for current and future management of fish and wildlife species and their habitats.
- Understanding of ecological, social, and political principles, relationships and perspectives relevant to the conservation of fish and wildlife resources.

Skills Learned:

- Ability to integrate biological, physical, social, and political aspects of natural resources with the conservation of these resources in ecosystems that provide habitat for fish and wildlife species.
- Ability to apply management principles to the effective interaction of scientific and social components of natural resource conservation approaches especially as these pertain to fish and wildlife.
- Ability to communicate clearly and to work cooperatively with others, especially within the context of fish and wildlife resource management on public and private lands.

Employment Opportunities:

- The emphasis on biological and ecological components of natural resource conservation and management will qualify graduates for employment positions with public agencies at municipal, state and federal levels.
- Graduates will also be qualified to work with environmental and natural history educational groups.
- With proper selection of elective courses, curriculum may meet minimum qualifications for US government positions in the following series: general biological science, ecology, wildlife refuge management, fish and wildlife administration.

Course Requirements for the Fish and Wildlife Conservation Specialty Option

All courses offered via Ecampus

The following Specialty Option courses must be taken **in addition to** other courses required for the major, including the Natural Resources Core and Natural Resources Breadth requirements (i.e., except for the Baccalaureate Core, the same course may not be used to meet requirements in two different areas of the degree).

Fish and Wildlife Conservation Option: (50 credits)

Required Courses: (26 credits)

AREC 253*	4	Evolution of US Environmental and Natural Resources Law
FOR 445	4	Ecological Restoration [BI 370]
FW 251	3	Principles of Fish and Wildlife Conservation
FW 303	3	Survey of Geographic Information Systems in Natural Resources
FW 321	3	Fisheries and Wildlife Resource Ecology [FW 320]
RNG 241	3	Rangeland Ecology and Management
RNG/FOR 346	3	Topics in Wildland Fire [Coursework in forest biology or ecology]
RNG 455	3	Riparian Ecology and Management [RNG 355]

(Continued)

Fish and Wildlife Biology: (6 credits) Choose 2

FW 311	3	Biology of Birds [one year introductory biology]
FW 315	3	Biology of Fishes [one year introductory biology]
FW 317	3	Biology of Mammals [one year introductory biology]

Habitat Management: (6 credits) Choose 2

FW 326	3	Integrated Watershed Management [FW 251]
FW 435^	3	Wildlife in Agricultural Ecosystems [BI 370 and FW 251]
FW 479	3	Wetlands and Riparian Ecology [BI 370 or BI 371]

Inventory Skills: (3-4 credits) Choose 1

GEO 301	4	Map and Image Interpretation [Coreq: CS 101 or equiv; MTH112 strongly recommended]
GEO 365	4	Introduction to Geographic Information Systems [GEO301 or GEO360 strongly recommended]
GEO 465	3	Geographic Information Systems and Science

Northwest Resource Management: (3 credits) Choose 1

FW 323	3	Management Principles of Pacific Salmon in the Northwest
FW 470*	3	Ecology and History: Landscapes of the Columbia Basin [HST 201,202,203 or BI 370]

Natural Resources Policy: (3-4 credits) Choose 1

PS474	4	Natural Resource Policy and Bureaucratic Politics [PS201 or instructor approval]
PS 475	4	Environmental Politics and Policy [PS 201 or instructor approval]
SOC 481*	3	Society and Natural Resources [SOC 204]

Choose one additional Natural Resources-related course (3-4 credits, not in FW) to bring total to 50 or more credits.

[ ] = Prerequisites
* = Baccalaureate Core Course
^ = Writing Intensive Course

Note: This option was designed for Distance Education students. Corvallis Campus students wishing to pursue this option must take all required courses, including some that are offered only via Distance Education. These Distance Education courses generally require additional tuition charges (see Ecampus website for tuition details).

Updated 4/23/2008

NATURAL RESOURCES MAJOR

Specialty Option: Human Dimensions in Natural Resources

[Part of the Natural Resources degree is a 50 credit hour concentration referred to as the Specialty Option. Distance education students choose one of these three options: Natural Resource Policy, Human Dimensions in Natural Resources, or Fisheries and Wildlife Conservation.]

Goal of Specialty Option:

- To develop an understanding of the interconnectedness of human behavior and natural resource issues.
- Includes skills and knowledge to better understand the cultural, social, and philosophical issues associated with natural resources.

Knowledge Gained:

- An understanding of the diversity of human values and their impact on natural resources.
- An understanding of the complex social and cultural systems associated with natural resources management.

Skills Learned:

- Students will learn communication skills, especially as they relate to natural resource conflicts.
- Ability to apply social, cultural and political principles to natural resource issues.

Employment Opportunities:

- An in-depth understanding of the human dimensions of natural resources provides students important social and communication skills to work for state, federal, and private organizations.

Course Requirements for the Human Dimensions in Natural Resources Specialty Option

Bold-face items are offered via Ecampus

The following Specialty Option courses must be taken **in addition to** other courses required for the major, including the Natural Resources Core and Natural Resources Breadth requirements (i.e., except for the Baccalaureate Core, the same course may not be used to meet requirements in two different areas of the degree).

Human Dimensions in Natural Resources Option: (51 credit hours)

Ethical Issues (9 credit hours from the following)

ANTH 110*	**3**	**Introduction to Cultural Anthropology**
BI/FS 430	**3**	**Biotechnologies: Agriculture, Food and Resource Issues**
PHL 201*	**4**	**Introduction to Philosophy**
PHL 205*	4	Ethics
PHL 439	3	Philosophy of Nature [departmental approval]
PHL 440	**3**	**Environmental Ethics** [PHL 205, PHL 342, PHL 365 or 6 credits philosophy; sophomore standing]
PHL 443*	**3**	**World Views and Environmental Values [one intro level science course; sophomore standing]**
PHL 470	3	Philosophy of Science [6 credits of philosophy, upper div. recommended; sophomore standing] Not offered every year

(Continued)

Management and Communication Issues (18 credit hours from the following)

AREC 253*	**4**	**Evolution of U.S. Environmental and Natural Resources Law**
AREC 351*	**3**	**Natural Resource Economics and Policy** [ECON 201, MTH 111]
AREC 352*	**3**	**Environmental Economics and Policy** [ECON 201]
AREC 453	**4**	**Public Land and Resource Law**
COMM 321	**3**	**Introduction to Communication Theory**
COMM 322	3	Small-Group Problem Solving [COMM 218]
COMM 324	3	Communication in Organizations
COMM 440	3	Theories of Conflict and Conflict Management [COMM 321 or instructor approval]
FOR 351	4	Recreation Behavior and Management
FOR 352	**3**	**Wilderness Management**
FOR 354	3	Amenity Resource Management [FOR 111]
FOR 365*	**3**	**Issues in Natural Resources Conservation**
FOR 391	3	Natural Resource Communications
FOR/FW/RNG 346	**3**	**Topics in Wildland Fire**
FW 251	**3**	**Principles of Fish and Wildlife Conservation**
FW 326	**3**	**Integrated Watershed Management [FW 251]**
SOC/ANS/FOR/FW/HORT/PS 485*	**3**	**Consensus and Natural Resources**

Social Issues (24 total credit hours)

Required Background Course:

SOC 204*	**3**	**Introduction to Sociology**

21 credit hours from the following

ANTH 481*	**3**	**Natural Resources and Community Values [3 credits of social science]**
ANTH 482*	3	World Food and Cultural Implications of International Agricultural Development [senior standing]
AREC 432	4	Environmental Law [junior standing]
FOR 451	4	History and Cultural Aspects of Recreation
FW 340*	**3**	**Multicultural Perspectives in Natural Resources**
FW 350*	**3**	**Endangered Species, Society, and Sustainability**
GEO 300*	**3**	**Environmental Conservation and Sustainability**
HST 481*	**3**	**Environmental History of the United States [upper-division standing]**
PS 414	4	Interest Groups [PS 201]
PS 475	**4**	**Environmental Politics and Policy [PS 201 or consent of instructor]**
SOC 360*	**4**	**Population Trends and Policy [SOC 204]**
SOC 454*	**4**	**Leisure and Culture [SOC 204]**
SOC 456*	**4**	**Science and Technology in Social Context [SOC 204]**
SOC 466	4	International Development: Gender Issues [SOC 204]
SOC 480*	**4**	**Environmental Sociology [SOC 204]**
SOC 481*	**4**	**Society and Natural Resources [SOC 204]**
WS 450*	**3**	**Ecofeminism**

[ ] = Prerequisites
* = Baccalaureate Core Course

Updated 4/23/08

NATURAL RESOURCES MAJOR

Specialty Option: Natural Resource Policy

[Part of the Natural Resources degree is a 50 credit hour concentration referred to as the Specialty Option. Distance education students choose one of these three options: Natural Resource Policy, Human Dimensions in Natural Resources, or Fisheries and Wildlife Conservation.]

Goal of Specialty Option:

- To prepare students for careers in the broad arena of natural resource and environmental conservation, with an emphasis on the social and political aspects of resource issues.

Knowledge Gained:

- Background in basic biological, physical, and social sciences which underlie sound management and conservation of natural resources.
- Understanding of why and how humans have impacted the environment and the implications of these impacts historically, currently, and for the future.
- Understanding of ecological, social, and political principles, relationships and perspectives relevant to the conservation of natural resources.

Skills Learned:

- Ability to integrate biological, social, and political aspects of natural resources with the conservation of these resources.
- Ability to apply knowledge of resource policy, law, and planning to the scientific and social components of natural resource conservation approaches.
- Ability to communicate clearly and work cooperatively with others, especially within the context of public involvement processes involving resource management on public lands.

Employment Opportunities:

- The emphasis on social and political components of natural resource management combined with the scientific and management knowledge will qualify graduates for positions involving community-based conservation initiatives such as watershed councils, local land-use planning groups, and NGO's.
- Graduates will also be qualified to work with environmental and natural history educational groups.
- With proper selection of elective courses, curriculum may meet minimum qualifications for US government positions in the following series: general biological science, park ranger, and agricultural extension.

Course Requirements for the Natural Resource Policy Option

All courses offered via Ecampus unless otherwise noted

The following Specialty Option courses must be taken **in addition to** other courses required for the major, including the Natural Resources Core and Natural Resources Breadth requirements (i.e., except for the Baccalaureate Core, the same course may not be used to meet requirements in two different areas of the degree).

Note: This option was designed for Distance Education students. Corvallis Campus students wishing to pursue this option must take all required courses, including some that are offered only via Distance Education. These Distance Education courses generally require additional tuition charges (see Ecampus website for tuition details).

Natural Resources Policy Option (50+ credit hours)
Note: No more than 25 credits may be from one department.

Social Science Foundation (10-12 credits) Students must take at least three courses from the following or equivalent courses taken at other institutions. [ECON, PS and SOC are prerequisites for certain upper division courses]

ECON 201*	4	Introduction to Microeconomics (AREC 250* may be substituted)
PHL 201*	4	Introduction to Philosophy
PS 201*	4	Introduction to United States Government and Politics
PSY 201*	3	General Psychology
SOC 204*	3	Introduction to Sociology

(Continued)

Social Sciences and Natural Resources (12-14 credits). Students must take at least four courses from the following, with no more than two from any one department:

AG 421^	3	Leadership Development [Senior standing]
COMM 321	3	Introduction to Communication Theory
FOR 111	3	Introduction to Forestry
FW 251	3	Principles of Wildlife Conservation
FW 323	3	Management Principles of Pacific Salmon in the Northwest
FW 340*	3	Multicultural Perspectives in Natural Resources
FW 470*	3	Ecology and History: Landscapes of the Columbia Basin [BI 370]
GEO 300*	3	Environmental Conservation and Sustainability [Upper division standing]
RNG 490	4	Rangeland Management Planning
SOC 360*	4	Population Trends and Policy [SOC 204]
SOC 480*	4	Environmental Sociology [SOC 204]
SOC 481*	4	Society and Natural Resources [SOC 204]

Emphasis Area (28 credits). Courses chosen in the Emphasis Area may not duplicate courses taken for the Social Science Foundation and Social Science and Natural Resources areas listed above.

AREC 253*	4	Evolution of U.S. Environmental and Natural Resources Law
BOT 440	4	Field Methods in Vegetation Science [course in ecology and in statistics]
ENSC 479*^	3	Environmental Case Studies [one year biology or chemistry; junior standing]
FOR 365*	3	Issues in Natural Resources Conservation
FOR 445	4	Ecological Restoration [BI 370]
FOR/FW/RNG 346	3	Topics in Wildland Fire [coursework in forest biology or ecology]
FW 303	3	Survey of Geographic Information Systems in Natural Resources
FW 311	3	Biology of Birds [one year introductory biology]
FW 315	3	Biology of Fishes [one year introductory biology]
FW 317	3	Biology of Mammals [one year introductory biology]
FW 321	3	Fisheries and Wildlife Resource Ecology [FW 320]
FW 323	3	Management Principles of Pacific Salmon in the Northwest
FW 326	3	Integrated Watershed Management [FW 251]
FW 340*	3	Multicultural Perspectives in Natural Resources
FW 435^	3	Wildlife in Agricultural Ecosystems [FW 251 and BI 370]
FW 470*	3	Ecology and History: Landscapes of the Columbia Basin [BI 370]
FW 479	3	Wetlands and Riparian Ecology [BI 370]
GEO 301	4	Map and Image Interpretation [MTH 112 or competence in Trigonometry strongly recommended]
GEO 365	4	Introduction to Geographic Information Systems [GEO 301 strongly recommended]
GEO 465	3	Geographic Information Systems and Science
PS 449^	4	Topics in Comparative Politics
PS 475	4	Environmental Politics and Policy [PS 201 or instructor approval]
RNG 455	3	Riparian Ecology and Management [RNG 355]
RNG 490	4	Rangeland Management Planning
SOC 456*	4	Science and Technology in Social Context [SOC 204]
SOC 480*	4	Environmental Sociology [SOC 204]
SOC 481*	4	Society and Natural Resources [SOC 204]

* = Baccalaureate Core Course
^ = Writing Intensive Course
[ ] = Prerequisites

Updated 4/30/2008