

COLLEGE OF NATURAL RESOURCES
Bachelor of Science in Natural Resources Conservation
For students graduating in 2007
Natural Resources Education Option (K-6)

Fall Semester					Spring Semester				
FRESHMAN YEAR									
BIOL	1105	Principles of Biology (CA4)	3		BIOL	1106	Principles of Biology (CA4)	3	
BIOL	1115	Principles of Biology Lab (CA4)	1		BIOL	1116	Principles of Biology Lab (CA4)	1	
CHEM	1035	General Chemistry	3		GEOS	1004	Physical Geology	3	
CHEM	1045	General Chemistry Lab	1		GEOS	1104	Physical Geology Lab	1	
ENGL	1105	Freshman English (CA1)	3		ENGL	1106	Freshman English (CA1)	3	
NR	1114	Intro to Renewable Nat. Res.	2		HIST	1115	History of the U.S.	3	
MATH	1016	Elem. Calculus w/Trig I* (CA5)	3		GEOG	1004	Intro to Human Geography	3	
			16					17	
SOPHOMORE YEAR									
AAEc	1005	Econ. Food & Fiber Syst. (CA3)	3		AAEc	1006	Econ. Food & Fiber System (CA3)	3	
FOR	2214	Intro to Forest Measurements	3				Physics Restricted Elective	3	
FOR	2314	Forest Biology	2		BIOL	2804	Ecology	3	
FOR	2554	Nature & American Values (CA2)	3		FOR	2324	Dendrology Lab	1	
FIW	2114	Principles of Fish & Wildl. (CA7)	3		GEOS	3034	Intro to Oceanography	3	
MATH	1614	Numbers & Computing for Tchrs.	4		MATH	1624	Geometry & Computing for Tchrs.	3	
			18					16	
JUNIOR YEAR									
FOR	3364	Survey For. Ecol./Mgmt. (W1)	3		ENGL	3534	Literature and Ecology (W12) (CA2)	3	
ECON	4014	Environmental Economics	3		HIST	Amer. History Restricted Elective		3	
ENGL	3524	Literature for Children	3		FOR	3544	Outdoor Rec Management	3	
World History Restricted Elective			3				Statistics Restricted Elective (CA5)	3	
Elective			3		FOR	3524	Environmental Interpretation	3	
Core Area 6 Elective			1					15	
			16						
SENIOR YEAR									
FOR	3354	Urban Forestry	3		FIW	4434	Wildlife Habitat Ecol. & Mgmt.	3	
Education Restricted Elective			3		BIOL	4004	Freshwater Ecology	4	
Crop & Env. Sci. Restricted Elective			3				Elective#	3	
Environ. Ethics Policy Restricted Elective			3				Elective	3	
Elective			3				Elective	2	
			15					15	
Total Credits for Graduation = 128									

* Assumes completion of college algebra, functions, exponentials, and logarithms, matrices, sequences, and series in high school. If not, must also take MATH 1015 for background.

Students entering VT Fall 2005 or later, consult with your advisor about requirements to satisfy the Communication Initiative (CI)

NATURAL RESOURCES EDUCATION NOTES

1. **Satisfactory Progress**

By the end of the semester in which the student has attempted 60 hours (including transfer, advanced placement, advanced standing, and credit by examination), "satisfactory progress" towards a B.S. degree in the College of Natural Resources will include the following minimum criteria:

- * Having an in-major and overall grade point average of at least 2.0
- * Passing at least 24 semester credits that apply to the university core curriculum
- * Passing the following courses, or their equivalents: Biol 1105, 1106 and 1115, 1116; Chem 1035, Geos 1004, and Math 1016

Foreign Language Requirement: Students who did not successfully complete at least two (2) units of a single foreign or classical language during high school must successfully complete: a) six (6) semester hours of a single college level foreign or classical language (credits do not count towards graduation) or b) receive credit by examination for six (6) semester hours of a single foreign or classical language (credits do not count toward graduation). This must be accomplished by the end of the academic year in which the student has attempted 60 semester credit hours (including transfer, advanced placement, advanced standing, and credit by examination). For additional information refer to the Language Study Requirement section of the current undergraduate catalog.

2. **Policy on Student Exchanges:** Studying overseas or at another U.S. university is a wonderful opportunity to enhance your education. However, planning for an exchange should begin at least 9 months prior to leaving. This will allow time to determine what substitutions, if any, will be allowed and time to arrange your schedule at Virginia Tech to ensure that all requirements for graduation are met. You must complete an Exchange Program checklist (available in 138 Cheatham Hall) and obtain the required signatures before beginning the exchange program.
3. Courses should be taken in the **sequence** shown to ensure that prerequisites are met.
4. **In-major GPA Computation**
 - * Includes all courses designated as FIW, FOR, GEOG, NR, and WOOD.
5. An in-major and overall GPA of 2.0 is required for graduation.

Natural Resources Conservation Major
Natural Resources Education (K-6 Option)
Restrictive Electives (substitutions possible with approval)

Course	Credits
<u>American History Restricted Elective (3)</u>	
HIST 1116: History of the United States (Civil War to Present)	3
HIST 3144: American Environmental History	3
HIST 3224: History of Virginia	3
HIST 3214: History of Appalachia	3
<u>World History Restricted Elective (3)</u>	
HIST 1026: Introduction to European Civilization (Mid-18 th Century to Recent Past)	3
HIST 1224: Introduction to Latin America (WI)	3
HIST 2346: History of the Middle East	3
HIST 2184: History of the Balkans	3
<u>Education Restricted Elective (3)</u>	
EDCI 3144: Education of Exceptional Learners	3
EDCI 4124: Educational Psychology for Preservice Teachers	3
<u>Crop and Soil Environmental Sciences Restricted Elective (3)</u>	
CSES 3604: Fundamentals of Environmental Science	3
CSES 3444: World Crops and Cropping Systems	3
FOR 4334 (CSES 4334): Principles and Practices of Agroforestry	3
CSES 3134: Soils in the Landscape	3
<u>Environmental Ethics/Policy Restricted Elective (3)</u>	
PHIL 2304: Global Ethics	3
GEOG 3104: Environmental Problems, Population, and Development	3
UAP 4264: Environmental Ethics and Policy	3
UAP 3344: Global Environmental Issues: Interdisciplinary Perspectives	3
UAP 3354: Introduction to Environmental Policy and Planning	3
<u>Statistics Restricted Elective (3)</u>	
STAT 3604 (CA5): Statistics for Social Sciences	3
STAT 3615 (CA5): Biological Statistics	3
<u>Physics Restricted Elective (3)</u>	
PHYS 1055: Introduction to Astronomy	3
PHYS 2014: The Physics Around Us	3