

COLLEGE OF NATURAL RESOURCES

Bachelor of Science in Forestry

for students graduating in 2008

Industrial Forestry Operations Option

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	Engl	1106	Freshman English (CA1)	3
Chem	1045	General Chemistry Lab	1	Math	2015	Elem. Calculus w/ Trig. II (CA5)	3
Engl	1105	Freshman English (CA1)	3	Core elective Area 2			3
NR	1114	Intro. to Renewable Nat. Res.*	2	Elective			3
Math	1016	Elem. Calculus w/ Trig. I ^a (CA5)	3				
			16				
Sophomore Year							
AAEC	1005	Economics of Food and Fiber ^b (CA3)	3	AAEC	1006	Economics of Food and Fiber ^b (CA3)	3
For	2314	Forest Biology and Dendrology	2	ACIS	2004	Survey of Accounting ^c	3
For	2214	Intro. to Forest Measurements*	3	Comm	2004	Public Speaking	3
For	2324	Dendro Lab (Fall or Spring)	1	For	3724	Forest Boundaries and Roads	3
For	2714	Intro. to Industrial For. Operations	1	CSES	3134	Soils in the Landscape	3
Core elective Area 7			3	Core elective Area 6			1
Elective			3				
* For. Measure. kit required; approx. cost \$200.			16				
Junior Year							
For	3424	Forest Resource Economics	3	For	3216	Forest Measurements	3
For	3215	Forest Measurements	3	For	3324	Silvicultural Princ. and Applic.	4
For	3314	Forest Ecology and Silvics (WI)*	3	For	3734	Timber Procurement	2
For	3714	Forest Harvesting	3	For	2514	Wildland Fire: Ecology & Mgmt. ^d	3
Fin	3055	Legal Envir. of Business	3	2004 Spring Camp will cost approximately \$550-600.			
Core elective Area 2			3	For	3224	Forest Measurement Field Lab	1
				For	3334	Silviculture Field Lab	1
			18	For	3434	Forest Management Field Lab	1
				For	3344	Forestry Field Studies <small>p/f only</small>	1
Senior Year							
For	4214	Forest Photo./Data Proc.*	3	For	4434	Forest Resource Policy (WI)	3
For	4424	Forest Resource Mgt.*	3	For	4444	Integrated For. Mgt. Practicum	3
For	4514	Forest Protection	3	For	4714	Harvesting Systems Eval.	3
Wood	3114	Wood Structures and Properties*	3	Restricted Electives ^e :			3
Restricted Elective ^e :			3	Elective			3
			15				
Total Credits for Graduation = 128							

*Must schedule lab

^a 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. Must take Math 1016 before taking Math 2015.

^b Or Econ 2005 - 2006, Principles of Economics

^c Or ACIS 2115 Principles of Accounting

^d Or FOR 3544 Outdoor Recreation Management.

^e See list of restricted electives.

THE NOTATIONS ON THE REVERSE SIDE ARE AN INTEGRAL PART OF THIS CHECKSHEET.

INDUSTRIAL FORESTRY OPERATIONS 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 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, and Math 2015

Foreign Language Requirement: A sequence of two (2) foreign language courses is required for graduation unless two (2) high school credits of the same foreign language or six (6) transfer credit hours of foreign language have been earned. These credits do not count toward graduation. See catalog section on "Graduation Requirements."

2. A variety of on-line resources also can be used to attain computer proficiency. Competencies in these skills will be expected in upper-level courses.

3. 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) and obtain the required signatures before beginning the exchange program.

4. Courses should be taken in the **sequence** shown to ensure that prerequisites are met.

5. In Major GPA Computation.

* Includes all courses designated as FIW, FOR, GEOG, NR and WOOD.

6. An in-major and overall GPA of 2.0 is required for graduation.

A list of **restricted electives** in concentration areas for students in the Industrial Forestry Operations option is listed below. Each student must complete a minimum of 6 hours.

Communications

Comm	1014	Introduction to Communication Studies (I, II, III)
Comm	2044	Principles of Public Relations (Prereq. Comm 1014) (I, II)

Business

Econ	3214	Money and Banking (Prereq. Econ 2115)
Fin	3104	Introduction to Finance (Prereq. ACIS 2004) (I, II, III, IV)

Management

Mgt	3304	Management Theory and Leadership Practice (Junior standing)
Mgt	3324	Organizational Behavior (Prereq. Mgt. 3304)
Mgt.	3334	Human Resources Leadership (Prereq. Mgt. 3304)
Mgt.	3454	Small Business Management and Entrepreneurship (Junior standing) (I, II)

Law

AAEc	3314	Environmental Law (II)
AAEc	4754	Real Estate Law (Junior Standing) (II)

7. Forestry majors entering Virginia Tech prior to Fall 2005 are required to take Forest Ecology and Silvics (FOR 3314) and one additional WI of their choice to complete the writing intensive requirement. Students will also gain extensive experience in writing, speaking and use of visual media throughout the curriculum including: Introduction to Forest Measurements (FOR 2214), Silviculture: Principles and Applications (FOR 3324), Forest Harvesting (FOR 3714), and Integrated Forest Management Practicum (FOR 4444). These and other classes will fulfill the ViEWS communications intensive requirement for students entering Virginia Tech in Fall 2005 or later.