

COLLEGE OF NATURAL RESOURCES AND ENVIRONMENT

Department of Forest Resources and Environmental Conservation  
Bachelor of Science in Forest Resources and Environmental Conservation  
Major: Forestry

Option: Forest Resource Management  
For Students Graduating in Calendar Year 2016

APPROVED  
UNIVERSITY REGISTRAR

  
11-21-2014

Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Advisor: \_\_\_\_\_

Expected graduation date: \_\_\_\_\_

Minimum credit hours required for graduation is 120. Many upper-level courses shown below have prerequisites that are lower-level courses in the curriculum. Attention must be paid to proper sequencing of courses to avoid issues with missing prerequisites.

Major Core Degree Requirements (21 credits)

**Forest Science (9 credits)**

- \_\_\_ FOR 2214 Introduction to Land and Field Measurements (3 credits)
- \_\_\_ FOR 2314 Forest Biology and Dendrology (2 credits)
- \_\_\_ FOR 2324 Dendrology Lab (1 credit)
- \_\_\_ FOR 3314 Forest Ecology & Silvics (3 credits)

**Oral Communication (3 credits – choose one)**

- \_\_\_ COMM 2004 Public Speaking (3 credits)
- \_\_\_ AEE 3634 Communicating Agriculture and Life Sciences through Speaking (3 credits)

**Environmental Economics (3 credits)**

- \_\_\_ FOR 4424 Forest Economics & Management (3 credits)

**Policy (3 credits)**

- \_\_\_ FOR 4434 Forest Resource Policy (3 credits)

**Geospatial Analysis (3 credits)**

- \_\_\_ FOR 4214 Forest Photogrammetry & Spatial Data Processing (3 credits)

Option Requirements (50 credits)

- \_\_\_ CHEM 1035 General Chemistry (3 credits)
- \_\_\_ CHEM 1045 General Chemistry lab (1 credit)
- \_\_\_ Physical Science Elective (3 credits – choose one)
  - \_\_\_ CHEM 1036: General Chemistry (3 credits)
  - \_\_\_ PHYS 1055: Intro to Astronomy (3 credits)
  - \_\_\_ PHYS 2205: General Physics (3 credits)
  - \_\_\_ GEOS 1004: Physical Geology (3 credits)
  - \_\_\_ GEOS 1024: Resources Geology (3 credits)
  - \_\_\_ GEOS 1014: The Earth and Life through Time (3 credits)
- \_\_\_ ACIS 2115 Principles of Accounting (3 credits)
- \_\_\_ CSES 3134 Soils in the Landscape (3 credits)
- \_\_\_ FOR 2514 Wildland Fire Ecology & Management (3 credits)
- \_\_\_ FOR 2414 Field Experiences in Forest Resources (2 credits)
- \_\_\_ FOR 3214 Forest Biometrics (3 credits)
- \_\_\_ FOR 3224 Forest Biometrics lab (1 credit)
- \_\_\_ FOR 3324 Silvicultural Principles and Applications (4 credits)
- \_\_\_ FOR 3344 Forestry Field Skills (1 credit)
- \_\_\_ FOR 3544 Outdoor Recreation Management (3 credits) (pre-req.: FOR 2554)
- \_\_\_ FOR 3714 Forest Harvesting (3 credits)

*[Signature]*  
1-21-2014

- FOR 3724 Forest Boundaries & Roads (3 credits)
- FOR 3734 Timber Procurement (2 credits)
- FOR 4114 Information Technologies for Natural Resource Management (3 credits)
- FOR 4354 Forest Soils & Hydrology (3 credits)
- FOR 4444 Integrated Forest Management Practicum (3 credits)
- FOR 4514 Forest & Tree Pest Management (3 credits)

**CLE Requirements (36 credit hours)**

**Area 1: Writing and Discourse (6 credit hours required)**

- ENGL 1105 First-Year Writing (3 credits)
- ENGL 1106 First-Year Writing (3 credits)

**Area 2: Ideas, Cultural Traditions, and Values (6 credit hours required)**

- CLE Area 2 course: \_\_\_\_\_ (3 credits)
- CLE Area 2 course: \_\_\_\_\_ (3 credits)

**Area 3: Society and Human Behavior (6 credit hours required)**

- AAEC 1005 Economics of the Food & Fiber System (3 credits)
- AAEC 1006 Economics of Food & Fiber System (3 credits)

**Area 4: Scientific Reasoning and Discovery (8 credit hours required)**

- BIOL 1105 Principles of Biology (3 credits)
- BIOL 1115 Principles of Biology Lab (1 credit)
- BIOL 1106 Principles of Biology (3 credits)
- BIOL 1116 Principles of Biology Lab (1 credit)

**Area 5: Quantitative and Symbolic Reasoning (6 credit hours required)**

- MATH 1016 Elementary Calculus with Trigonometry I (3 credits)
- MATH 2015 Elementary Calculus with Trigonometry II (3 credits)

**Area 6: Creativity and Aesthetic Experience (1 credit hour required)**

- CLE Area 6 course: \_\_\_\_\_ (1 credit)

**Area 7: Critical Issues in a Global Context (3 credit hours required)**

- FIW 2114 Principles of Fisheries & Wildlife (3 credits)

**Free Electives (13 hours)**

---



---



---



---



---

**IMPORTANT NOTES ON THE FOLLOWING PAGE.**

  
11-21-2014

## FOREST RESOURCE MANAGEMENT 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 Curriculum for Liberal Education (CLE)
  - Passing the following courses, or their equivalents: BIOL 1105, 1106 and 1115, 1116; CHEM 1035, and MATH 2015
2. **Foreign Language Requirement:** A sequence of two (2) foreign language courses is required for graduation unless two (2) high school units 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".
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.
4. **In-major GPA Computation:** Includes all courses designated as FIW, FOR, GEOG, and NR.
5. **An in-major and overall GPA of 2.0 is required for graduation.**