COLLEGE OF NATURAL RESOURCES AND ENVIRONMENT
Department of Forest Resources and Environmental Conservation
Bachelor of Science in Forestry and Wildlife
Major: Forestry
Option: Forest Resource Management
For Students Graduating in Calendar Year 2016

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)
FOR 3724  Forest Boundaries & Roads (3 credits)
FOR 3734  Timber Procurement (2 credits)
FOR 4144  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)  **ENH 111**
- ENGL 1106  First-Year Writing (3 credits)  **ENH 112**

**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)  **ECO 202**
- AAEC 1006  Economics of Food & Fiber System (3 credits)  **ECO 201**

**Area 4: Scientific Reasoning and Discovery (8 credit hours required)**
- BIOL 1103  Principles of Biology (3 credits)
- BIOL 2115  Principles of Biology Lab (1 credit)  **7B10 101**
- BIOL 1106  Principles of Biology (3 credits)
- BIOL 1116  Principles of Biology Lab (1 credit)  **7B10 102**

**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.**
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.