COLLEGE OF NATURAL RESOURCES AND ENVIRONMENT  
Department of Forest Resources and Environmental Conservation  
Bachelor of Science in Forestry and Wildlife  
Major: Natural Resources Conservation  
Option: Natural Resources Science Education  
For students graduating in calendar year 2016

Name: ____________________________  
Student ID: ________________________

Advisor: __________________________  
Expected graduation date: ____________

Minimum credit hours required for graduation is 120.

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 3364 Forest Ecology & Sustainability (3 credits)

Environmental Economics (3 credits)
  ______ FOR 4014 Natural Resources Economics (3 credits)

Policy (3 credits)
  ______ FOR 4434 Forest Resource Policy (3 credits)

Oral Communication (3 credits)
  ______ FOR 3524 Environmental Interpretation (3 credits)

Geospatial Analysis (3 credits — choose one)
  ______ FOR 4114 Information Technologies for Natural Resource Management (3 credits)
  ______ GEOG 4084 Introduction to Geographic Information Systems (3 credits)

Option Requirements (51 credits)

NR 1114 Introduction to Renewable Natural Resources (2 credits)
  ______ CHEM 1035 General Chemistry (3 credits)
  ______ CHEM 1045 General Chemistry Lab (1 credit)
  ______ CHEM 1036 General Chemistry (3 credits)
  ______ CHEM 1046 General Chemistry Lab (1 credit)
  ______ PHYS 1055 Introduction to Astronomy (3 credits)
  ______ PHYS 1155 Astronomy Lab (1 credit)
  ______ PHYS 2205 General Physics (3 credits)
  ______ PHYS 2315 General Physics Lab (1 credit)
  ______ GEOS 1004 Physical Geology (3 credits)
  ______ GEOS 1104 Physical Geology Lab (1 credit)
  ______ GEOS 1024 Resources Geology (3 credits)
  ______ GEOS 1124 Resources Geology Lab (1 credit)
  ______ GEOS 1014 Earth & Life through Time (4 credits)
  ______ GEOS 3034 Introduction to Oceanography (pre-req: MATH 1206 or MATH 2015) (3 credits)
  ______ GEOG 3114 Introduction to Meteorology (3 credits)
  ______ GEOG 3304 Geomorphology (pre-req: GEOG 1104 or GEOS 1004 or GEOS 2104) (3 credits)
  ______ STAT 3615 Biological Statistics (3 credits) MATH 240 or 241  
  ______ Soils Elective (3 credits — choose one)
    ______ CSES 3134 Soils in the Landscape (3 credits)
    ______ CSES 3114 Soils (3 credits — co-requisite CSES 3124)
Agriculture Elective (3 credits – choose one)
  __ FOR 4334 Principles of Agroforestry (3 credits)
  __ CSES 3444 World Crops & Crop Systems (3 credits)
Hydrology Elective (3 credits – choose one)
  __ FOR 4354 Forest Soils & Hydrology (3 credits)
  __ FOR 4374 Forested Wetlands (pre-req.: CSES 3114 or CSES 3134) (3 credits)

CLE Requirements (36 credit hours)

Area 1: Writing and Discourse (6 credit hours required)
  __ ENGL 1105 Freshman English (3 credits) ENGL 1105
  __ ENGL 1106 Freshman English (3 credits) ENGL 1106

Area 2: Ideas, Cultural Traditions, and Values (6 credit hours required)
  __ FOR 2554 Nature and American Values (3 credits)
  __ CLE Area 2 course: __________________________ (3 credits)

Area 3: Society and Human Behavior (6 credit hours required)
  __ AEC 1005 Economics of the Food & Fiber System (3 credits) ECO 202
  __ HIST 3705 or 3706 History of Science (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) 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)
  __ LAR 1144 Introduction to Landscape Architecture (1 credit)

Area 7: Critical Issues in a Global Context (3 credit hours required)
  __ FIW 2114 Principles of Fisheries & Wildlife (3 credits)

Free Electives (12 credits)

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IMPORTANT NOTES ON THE FOLLOWING PAGE.
NATURAL RESOURCES CONSERVATION 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, 1036, and MATH 2015

2. **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."

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, NR, and GEOS.

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