Minimum credit hours required for graduation is 120.

Degree Core 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 Laboratory (1 credit)
  ___ FOR 3314 Forest Ecology and Silvics (3 credits)
Geospatial Analysis (3 credits)
  ___ FOR 1004 Digital Planet (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 – choose one)
  ___ COMM 2004 Public Speaking (3 credits) or FOR 3524 Environmental Interpretation (3 credits)

Other Requirements (33 credits)
  ___ BIOL 2804 Ecology OR FOR 2004 Forest Ecosystems (3 credits)
  ___ BIT 3424 Introduction to Business Analytics Modeling (3 credits) (Pre-req. BIT 2406 or CS 1054 or CS 1114 or CS 1124 or CS 1705)
  ___ BIT 4524 Systems Development (3 credits)
  ___ BIT 4514 Database Technology for Business (3 credits)
  ___ CS 1124 Intro to Media Computation OR CS 1044 Intro to Programming in C (3 credits) OR CS 1064 Introduction to Programming in Python
  ___ FOR 1044 Intro to Environmental Informatics (3 credits)
  ___ FOR 3104 Principles of Watershed Hydrology (3 credits) OR BSE 2384 Soil and Water Res Mgt (3 credits)
  ___ FOR 4214 Forest Photogrammetry and Spatial Data Processing (3 credits)
  ___ FOR 4114 Information Technologies for Natural Resources Management (3 credits)
  ___ FOR 4444 Integrated Forest Management Practicum (3 credits)
  ___ STAT 2524 Data Science (3 credits)
  ___ STAT 3615 Biological Statistics (3 credits)

Restricted Electives (9 credits)
Planning and Law (Choose 3 credit hours)
  ___ AAEC 3314 Environmental Law (3 credits)
  ___ AAEC 3604 Agricultural Law (3 credits)
Environment (Choose 6 credit hours)
  ___ ENSC 1015 Foundations of Environmental Science (3 credits)
  ___ ENSC 1016 Fundamentals of Environmental Science (3 credits)
  ___ ENSC 3604 Fundamentals of Environmental Science (3 credits) (Prereq.: BIOL 1105 or CHEM 1035)
  ___ FIW 2114 Principles of Fisheries and Wildlife (3 credits)
  ___ FIW 3414 Disease Ecology and Ecosystem Management (3 credits)
  ___ FIW 4464 Human Dimensions of Fisheries and Wildlife (3 credits)
  ___ FOR 2114 Ecology of Appalachian Forests (3 credits)
  ___ FOR 2134 Plants & Greenspace in Urban Communities (3 credits)
  ___ FOR 2514 Wildland Fire: Ecology and Management (3 credits)
  ___ GEOG 1104 Introduction to Physical Geography (3 credits)
  ___ GEOG 3114 Introduction to Meteorology (3 credits)
  ___ GEOG 3304 (CSES 3304) (GEOS 3304) Geomorphology (3 credits) (Prereq.: 1104 or GEOS 1004 or GEOS 2104)
  ___ GEOG 3404 Mountain Geography (3 credits) (Pre: GEOG 1104)
GEOS 1004 Physical Geology (3 credits)
GEOS 1024 Resources Geology (3 credits)
SBIO 2784 Global Forest Sustainability (3 credits)

Curriculum for Liberal Education Requirements (36 credits)

Area 1: Writing and Discourse (6 credit hours required)
   ___ ENGL 1105 First-Year Writing
   ___ ENGL 1106 First-Year Writing

Area 2: Ideas, Cultural Traditions, and Values (6 credit hours required)
   ___ FOR 2554 Nature and American Values
   ___ Approved CLE Area 2 course: ____________________________

Area 3: Society and Human Behavior (6 credit hours required)
   ___ AAEC 1005 or 1006 Economics of Food & Fiber Systems OR Econ 2005 Principles of Economics (3)
   ___ Approved CLE Area 3 course: ____________________________

Area 4: Scientific Reasoning and Discovery (8 credit hours required)
   ___ BIOL 1105 Principles of Biology (3)
   ___ BIOL 1106 Principles of Biology (3)
   ___ BIOL 1115 Principles of Biology Laboratory (1)
   ___ BIOL 1116 Principles of Biology Laboratory (1)

Area 5: Quantitative and Symbolic Reasoning (6 credit hours required)
   ___ MATH 1025 Elementary Calculus (3 credits)
   ___ MATH 1026 Elementary Calculus (3 credits)

Area 6: Creativity and Aesthetic Experience (1 credit hour required)
   ___ Approved CLE Area 6 course: ____________________________

Area 7: Critical Issues in a Global Context (3 credit hours required)
   ___ FOR 2124 Forests, Society, & Climate (3)

Free Electives – 18 credits

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IMPORTANT NOTES ON THE FOLLOWING PAGE.
Environmental Informatics Notes

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 (GPA) of at least 2.0. In-major GPA is calculated based on all courses with prefixes FOR, FIW, and GEOG.
- 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; MATH 1205

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 toward 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.

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.

Curriculum Planning
Students should plan early with their advisors to determine appropriate sequences for their courses. Some courses must be taken in sequence to satisfy prerequisites.

Degree Requirements
An in-major and overall GPA of 2.0 is required for graduation. Minimum hours for degree is 120.

Prerequisites
Some of the listed courses have prerequisites. Be sure to consult with the University Catalog or check with your advisor.