



University of Idaho

Department of Forest,  
Rangeland and Fire Sciences

# Forestry

## Recommended 4-Year Plan

### Become a Leader in Forestry

Building off a 100-year tradition of training leaders in forest science and management, our Forestry program (accredited by the Society of American Foresters) is one of the top-ranked programs for quality and value in the nation. Our students work directly with world-class faculty in the laboratory and unique outdoor settings throughout their college careers. Our forestry courses emphasize a “hands-on” approach, bridging learning opportunities in the classroom with direct experience in the field. Whether out on the University of Idaho’s 12,000+ acre Experimental Forest, in the Pitkin Forest Nursery, or at the McCall Field Campus along Payette Lake, our students experience the diverse landscapes of Idaho and the Inland Northwest. As a Forestry major, you will focus on forest ecosystems and learn about forest science and management, with a strong focus on forest operations and sustainable forest management. Our graduates are prepared to balance the many demands placed on the nation’s forests.

### FRESHMAN

#### FALL

| COURSE                                                                                                                                                                              |            | CREDITS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|
| NR 1010-Exploring Natural Resources                                                                                                                                                 |            | 2       |
| CHEM 1101/1101L -Intro to Chemistry & Lab <b>OR</b><br>CHEM 1111/1111L*-General Chemistry I & Lab<br><small>(CHEM 1101, MATH 1143, 1160, or 1170; or sufficient test score)</small> | Science    | 4       |
| ENGL 1101*-Writing & Rhetoric I <small>(sufficient test score)</small>                                                                                                              | Writ Comm  | 3       |
| MATH 1080-Intermediate Algebra                                                                                                                                                      |            | 3       |
| General Education Requirement                                                                                                                                                       | Humanities | 3       |

**TOTAL 15**

#### SPRING

| COURSE                                                                                                         |           | CREDITS |
|----------------------------------------------------------------------------------------------------------------|-----------|---------|
| FIRE 1144 -Wildland Fire Management <b>OR</b><br>FIRE 3326*-Fire Ecology <small>(FOR 2100 or WLF 2200)</small> |           | 3       |
| FOR 1400 -Intro to Forest Management                                                                           |           | 2       |
| BIOL 1140 -Organisms & Environments                                                                            | Science   | 4       |
| ENGL 1102*-Writing & Rhetoric II <small>(ENGL 1101)</small>                                                    | Writ Comm | 3       |
| MATH 1143 -Precalculus I: Algebra <small>(MATH 1080)</small>                                                   | Math      | 3       |

**TOTAL 15**

### SOPHOMORE

#### FALL

| COURSE                                                                           |            | CREDITS |
|----------------------------------------------------------------------------------|------------|---------|
| FOR 2110 -Forest Biology & Dendrology<br><small>(BIOL 1140 or PLSC 2050)</small> |            | 3       |
| FOR 2500 -Forest Operations I                                                    |            | 2       |
| FOR 2210 -Forest Mensuration I<br><small>(MATH 1143 &amp; 1144)</small>          |            | 3       |
| NRS 2350 -Society & Natural Resources                                            | Social Sci | 3       |
| MATH 1144+ -Precalculus II: Trigonometry <small>(MATH 1143 or 1170)</small>      |            | 1       |
| General Education Requirement                                                    | Oral Comm  | 3       |

**TOTAL 15**

#### SPRING

| COURSE                                                                                                                          |  | CREDITS |
|---------------------------------------------------------------------------------------------------------------------------------|--|---------|
| FOR 2100/WLF 2200 -Principles of Ecology<br><small>(BIOL 1020/1020L, 1140, 1150, or PLSC 2050)</small>                          |  | 3       |
| FOR 2220 -Forest Mensuration II<br><small>(FOR 2210 &amp; STAT 2510)</small>                                                    |  | 2       |
| PHYS 1000/1000L -Fundamentals of Physics & Lab <b>OR</b><br>PHYS 1111/1111L -General Physics I & Lab <small>(MATH 1143)</small> |  | 4       |
| SOIL 2050 & 2060 -The Soil Ecosystem & Lab<br><small>(CHEM 1101 or 1111)</small>                                                |  | 4       |
| STAT 2510*-Statistical Methods<br><small>(MATH 1080, 1143, 1160, or 1170; or sufficient score)</small>                          |  | 3       |

**TOTAL 16**

## JUNIOR

### FALL

| COURSE                                               | CREDITS |
|------------------------------------------------------|---------|
| FOR 3400 -Forest Regeneration (FOR 2210)             | 3       |
| FOR 3700-Fundamentals of Geomatics (college algebra) | 3       |
| ECON 2202*-Principles of Microeconomics Social Sci   | 3       |
| General Education Requirement American Experience    | 3       |
| Emphasis Area Course (3000-4000)                     | 3       |

**TOTAL 15**

### SPRING

| COURSE                                                                                                                                          | CREDITS |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| FOR 3100 -Terrestrial Ecosystem Ecology<br>(MATH 1143 or 1160; PHYS 1000/1000L or 1111/1111L; & FOR 2100 or WLF 2200 or BIOL 2130 or PLSC 1020) | 3       |
| NRS 3830 -NR & Ecosystem Service Economics<br>(NRS 2350; ECON 2202 or 2720; & MATH 1143)                                                        | 3       |
| General Education Requirement International                                                                                                     | 3       |
| General Education Requirement Humanities                                                                                                        | 3       |
| Free Elective (3000-4000)                                                                                                                       | 2       |
| Emphasis Area Course (3000-4000)                                                                                                                | 3       |

**TOTAL 17**

## SENIOR

### FALL

| COURSE                                                                                        | CREDITS |
|-----------------------------------------------------------------------------------------------|---------|
| FOR 4400 -Silvicultural Principles & Practices<br>(Sr standing; FOR 2110, 2210, 3400, & 3100) | 4       |
| FOR 4500 -Forest Operations II<br>(FOR 2500)                                                  | 2       |
| ENT 4690+ -Intro to Forest Insects<br>(FOR 2100 or WLF 2200)                                  | 2       |
| Emphasis Area Course (3000-4000)                                                              | 3       |
| Emphasis Area Course (3000-4000)                                                              | 3       |

**TOTAL 14**

### SPRING

| COURSE                                                                                                 | CREDITS |
|--------------------------------------------------------------------------------------------------------|---------|
| FOR 4600 -Watershed Science & Management<br>(MATH 1143, PHYS 1000/1000L, 1111/1111L, or HS equivalent) | 3       |
| FOR 4150 -Forest & Plant Pathology (FOR 2110)                                                          | 2       |
| FOR 4310 -Forest Policy & Administration<br>(Jr standing & Rec: NRS 2350)                              | 2       |
| FOR 4300 -Business of Forestry (Jr or Sr standing)                                                     | 2       |
| Emphasis Area Course (3000-4000)                                                                       | 3       |
| Emphasis Area Course (3000-4000)                                                                       | 3       |

**TOTAL 15**

## EMPHASIS AREAS:

### A. GENERAL FORESTRY - 18 CREDITS

Select 18 credits of advisor approved electives.

### B. FOREST OPERATIONS - 15 CREDITS

ACCT 2010 -Intro to Financial Accounting  
FOR 4510 -Low Volume Forest Roads  
FOR 4520 -Steep Slope Logging Systems  
FSP 1010 -Intro to Forest and Sustainable Products  
FSP 3010 -Properties of Forest and Sustainable Products  
FSP 4440 -Primary Forest Products Manufacturing

### C. FOREST BIOLOGY - 29 CREDITS

Please note that this Emphasis Area included coursework that totals 29 credits. Additional courses may be required in certain semesters to reach this total.

BIOL 1150/1150L -Cells and the Evolution of Life with Lab  
BIOL 2130 -Structure and Function Across the Tree of Life  
CHEM 1120/1120L -General Chemistry II with Lab  
CHEM 2750 OR 2770 -Carbon Compounds OR Organic Chemistry I  
MATH 1160 OR 1170 -Survey of Calculus OR Calculus I  
WLF 3700 -Management and Communication of Scientific Data

Select two courses from the following list:  
BIOL 3140 -Ecology and Population Ecology  
FOR 4101/4101L -Forest Production Ecology with Lab  
GEOG 3130 -Global Climate Change  
GEOG 4100 -Biogeography  
GEOG 4300 -Climate Change Ecology  
REM 4400 -Restoration Ecology  
WLF 4400 -Conservation Biology

### D. FOREST HYDROLOGY & WATERSHED MANAGEMENT - 33-34 CREDITS

Please note that this Emphasis Area included coursework that totals 33-34 credits. Additional courses may be required in certain semesters to reach this total.

GEOL 1110 -Physical Geology for Science Majors  
MATH 1170 -Calculus I  
MATH 1750 -Calculus II  
PHYS 1112/1112L -General Physics II with Lab  
STAT 3010 -Probability & Statistics

Select one courses from the following list:  
FISH 4150 -Limnology  
FISH 4300 -Riparian & River Ecology

Select two courses from the following list:  
GEOG 3850 -Foundations of GIS  
GEOG 4240 -Hydrologic Applications of GIS & Remote Sensing  
GEOG 4750 -Intermediate GIS  
GEOG 4790 -GIS Programming

Select two courses from the following list:  
GEOG 3010 -Meteorology  
GEOL 3090 -Ground Water Hydrology  
HYDR 4090 -Quantitative Hydrogeology  
SOIL 4150 -Soil & Environmental Physics  
SOIL 4500 -Environmental Hydrology  
SOIL 4520 -Environmental Water Quality

- This academic plan is intended as a guideline only and does not replace academic advising.
- 120 credits minimum are required for a B.S. in Forestry.
- Minimum of 36 upper-division credits required to graduate.
- See course catalog and department website for complete degree requirements and additional information.
- \* -Both Online & In-Person options are offered
- + -Online only offered

**Ready to Get Started?**  
Email [cnradvising@uidaho.edu](mailto:cnradvising@uidaho.edu)



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