



University of Idaho

Department of Forest,
Rangeland and Fire Sciences

Forest and Sustainable Products

Recommended 4-Year Plan | 2021/2022

Design for the Future

Sustainability and innovation are key aspects of our degree in Forest and Sustainable Products. An important part of the University of Idaho for over 100 years and accredited by the Society of Wood Science and Technology, our B.S. in Forest and Sustainable Products trains students to create and design new products from bio-based materials, from wood to recycled materials. Through hands-on courses, our students apply what they learn in the classroom in our state-of-the-art laboratories in a variety of areas such as biofuel creation from wood waste, development of plastic-enhanced wood for construction, and innovative use of small-diameter trees. Our degree integrates business curriculum that prepares students to work in the wood products and renewable materials industry; a \$3 billion industry in Idaho. As a major in Forest and Sustainable Products, students take advantage of course work in five career tracks: Bio-Energy, Bio-Based Materials, Construction & Design, Materials Acquisition & Supply, and Forest and Sustainable Product Business Management. Students can also customize their education based on individual career goals.

FRESHMAN

FALL

| COURSE | | CREDITS |
|--|-----------|---------|
| CHEM 101/101L - Intro to Chemistry & Lab OR CHEM 111/111L* - Principles of Chemistry & Lab <small>(CHEM 101, MATH 143, 160, or 170; or sufficient test score)</small> | Science | 4 |
| COMM 101* - Fundamentals of Oral Communication | Oral Comm | 2 |
| ENGL 101* - Intro to College Writing <small>(sufficient test score)</small> | Writ Comm | 3 |
| MATH 108 - Intermediate Algebra | | 3 |
| NR 101 - Exploring Natural Resources | | 2 |

TOTAL 14

SPRING

| COURSE | | CREDITS |
|---|------------|---------|
| BIOL 102/102L* - Biology & Society w/Lab | Science | 4 |
| ENGL 102* - College Writing & Rhetoric <small>(ENGL 101)</small> | Writ Comm | 3 |
| MATH 143 - Pre-Calculus <small>(MATH 108)</small> | Math | 3 |
| FSP 100 - Intro to Forest & Sustainable Products | | 2 |
| General Education Requirement | Humanities | 3 |

TOTAL 15

SOPHOMORE

FALL

| COURSE | | CREDITS |
|---|--------------------|---------|
| BLAW 265 - Legal Environment of Business | | 3 |
| NRS 235 - Society & Natural Resources | Social Sci | 3 |
| MATH 160* - Survey of Calculus <small>(MATH 143)</small> OR MATH 170* - Analytic Geometry and Calculus <small>(MATH 143 & 144)</small> | | 4 |
| General Education Requirement | American Diversity | 3 |
| Free Elective | | 3 |

TOTAL 16

SPRING

| COURSE | | CREDITS |
|---|------------|---------|
| FOR 375 - Intro to Spatial Analysis for Natural Resources Management <small>(college algebra)</small> | | 3 |
| CHEM 275 - Carbon Compounds <small>(CHEM 101/101L or 111/111L)</small> OR CHEM 277 - Organic Chemistry I <small>(CHEM 112/112L)</small> | | 3 |
| FOR 221 OR WLF 220 - Principles of Ecology <small>(BIOL 102/102L, 114, 115, or PLSG 205)</small> | | 3 |
| PHYS 111 - General Physics I <small>(MATH 143)</small> | | 3 |
| General Education Requirement | Humanities | 3 |

TOTAL 15

JUNIOR

FALL

| COURSE | CREDITS |
|---|---------|
| ENGL 313* - Business Writing (ENGL 102 & Soph standing) OR ENGL 317* - Technical Writing (ENGL 102 & Jr standing) | 3 |
| FSP 321 - Properties of Forest & Sustainable Products | 3 |
| STAT 251* - Statistical Methods (MATH 108, 143, 160, or 170; or sufficient score) | 3 |
| Free Elective | 3 |
| General Education Requirement International | 3 |

TOTAL 15

SPRING

| COURSE | CREDITS |
|---|---------|
| ACCT 482 - Enterprise Accounting | 3 |
| ECON 202* - Principles of Microeconomics OR ECON 272 - Foundations of Economic Analytics Social Sci | 3 |
| NRS 383 - NR & Ecosystem Service Economics (NRS 235; ECON 202 or 272; & MATH 143) | 3 |
| FSP 444 - Primary Forest Product Manufacturing (FSP 321) | 3 |
| FSP 438/538 - Lignocellulosic Biomass Chemistry (CHEM 101 or 111 & CHEM 275 or 277) | 1 |
| Free Elective | 3 |

TOTAL 16

SUMMER OF JUNIOR OR SENIOR YEAR

| COURSE | CREDITS |
|---|---------|
| FSP 498 - Forest and Sustainable Products Internship (Permission) | 1 |

TOTAL 1

SENIOR

FALL

| COURSE | CREDITS |
|---|---------|
| FSP 436/536 - Biocomposites (CHEM 101, FSP 321, & CHEM 275 or 277) | 3 |
| MKTG/FSP 495 - Product Development & Brand Management (ECON 201, 202, or 272; & MKTG 321) | 3 |
| FSP 401 - Undergraduate Research (Jr or Sr standing) | 1-3 |
| Free Elective (300-400) | 3 |
| Free Elective | 3 |

TOTAL 13-15

SPRING

| COURSE | CREDITS |
|---|---------|
| FSP 450 - Biomaterials Deterioration & Protection (Rec: FSP 321) | 2 |
| FSP 491 - Biomaterials Product & Process Development Lab (ECON 201 or 202 & MKTG/FSP 495) | 2 |
| Free Elective (300-400) | 3 |
| Free Elective | 3 |
| Free Elective | 3 |
| Free Elective | 3 |

TOTAL 16

- This academic plan is intended as a guideline only and does not replace academic advising.
- See course catalog and department website for complete degree requirements and additional information.

* - Both Online & In-Person options are offered
+ - Online only offered

- 120 credits minimum are required for a B.S. in Forest and Sustainable Products.
- Required Internship (FSP 498, 1 cr) - Summer of 3rd or 4th year.
- Minimum of 36 upper-division credits required to graduate.

Ready to Get Started?

Email cnradvising@uidaho.edu