
Natural Resources in Forest Resource Management

Track 1: Sampling and Assessment

Track 2: Forestry Operations

Bachelors of Applied Science Degree

186 Credits

The Bachelors of Applied Science in Forest Resource Management degree prepares students to directly enter employment in several Natural Resources areas. By developing academic skills in mathematics, science, English, humanities, and natural resource courses, the student can apply directly for jobs in natural resources management, forest engineering, water quality or wildlife biology.

Entry Requirements:

To enter this program, students must have completed a minimum of a two-year associate degree in forestry or related field. Students must consult a Natural Resources instructor for advising for this degree.

Students must attain a cumulative GPA of at least 2.0.

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Dept./No.	Course Title	Credits
Natural Resources Core (37 credits)		
NATRS 385	Forest Protection and Disease Management	5
NATRS 390	Environmental Decision Making and Conflict Resolution	5
NATRS 399	Natural Resources Seminar	1
NATRS 400	Forest Practices Law and Policy	5
NATRS 416	UAV Applications and Mapping	5
NATRS 418	Resource Management GIS Applications 2	1
NATRS 471	Restoration Techniques	5
NATRS 493	Advanced Silviculture	5
NATRS 494	Capstone in Natural Resources	5
Specialty Track 1 – Sampling and Assessment (18 credits)		
NATRS 300	Forest Ecology	6
NATRS 386	Bio-Invasions: Invasive Species Management	5
NATRS 417	Resource Management GIS Applications 1	1
NATRS 419	Resource Management GIS Applications 3	1
NATRS 461	Wildlife Ecology	5

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**Specialty Track 2 – Forestry Operations (20 credits)**

NATRS 301	Resource Economics	5
NATRS 401	Advanced Harvest Systems: Cable and Aerial Based	5
NATRS 402	Advanced Harvest Systems: Ground Based	5
NATRS 403	Transportation System Design	5

General Education Requirements (60 credits)**Mathematics (5 credits)** 5

MATH& 146	Introduction to Statistics	5
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English (15 credits)

ENGL& 101	English Composition I	5
ENGL 128	Research Writing: Science/Engineering/Business	5
ENGL 335	Advanced Technical Writing	5

Natural Science: (10 credits)

Ten credits of any Natural Science List A or List B courses from AA-DTA degree with a minimum of 5 credits from List A.

Suggested courses include:

BIOL 110	Northwest Ecology	5
GEOL& 208	Geology of the Pacific Northwest	5

Humanities (20 credits)

Twenty credits of any *Humanities* courses from the AA-DTA degree. *Suggested courses include:*

CMST& 220	Public Speaking	5
CMST& 230	Small Group Communication	5
PHIL& 115	Critical Thinking	5
PHIL 243	Environmental Ethics	5

Social Science (10 credits)

Any course that satisfies a Social Science requirement in the AA-DTA degree	10
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Students must complete 71 credits for Track 1 Sampling and Assessments and 69 credits for Track 2 Forestry Operations from the Associate degrees or equivalent credits in a forestry-related field courses to total 186 credits.

Recommended courses:

NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance	1
NATRS 161	Wildlife Habitat Management	4
NATRS 172	Computer Applications Overview	4
NATRS 180	Natural Resources Measurement	6
NATRS 182	Aerial Photo, GIS, and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification	8
NATRS 192	GIS for Natural Resources	5

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NATRS 205	Wildland Recreation	4
NATRS 210	Introduction to Soils	5
NATRS 261	GIS Tool Applications	5
NATRS 262	GIS in the Field	5
NATRS 263	Cartography	5
NATRS 270	Stream and Wetland Ecology	5
NATRS 277-280	Natural Resources Internship 1-4	14
NATRS 284	Road and Trail Engineering	7
NATRS 286	Natural Resources Business Principles	5
NATRS 290	Internship Seminar	1
NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8
NATRS 293	Silvicultural Analysis and Forest Protection	4