Forest Management, B.S. *major*

1. Safe and efficient navigation of remote settings to collect forest data.
2. Forest measurement and geospatial tools and equipment.
3. Forest data analysis methods and approaches to inform forest management decisions and silvicultural practices.
4. A holistic ecological understanding of forests and multidisciplinary perspectives on and approaches to forest management.
5. Knowledge and skills to sustainably manage forests for multiple mutually beneficial objectives and outcomes.

** Program Offered Pending Approval from MinnState**

The Forest Management undergraduate major will focus on producing field- and technology-competent foresters equipped with the knowledge and skills to sustainably manage forests for multiple objectives and outcomes. This program is designed as a companion degree, requiring transfer from or completion of a Forestry Tech A.A.S. prior to enrollment. The educational program in forestry leading to the baccalaureate degree in Forest Management is a candidate for accreditation by the Society of American Foresters (SAF), under the forestry standard.

Courses to complete baccalaureate degree in forestry for companion "2+2" transfer program with MNC Itasca and Vermillion Society of American Foresters (SAF) accredited Forestry Tech AAS programs.

Required Credits: 50
Required GPA: 2.25

I REQUIRED FORESTRY CORE

Complete the following courses:

- BIOL 2339 Ethics of Fish and Wildlife Management (3 credits)
- BIOL 4623 Forest Ecology (4 credits)
- ECON 3500 Forestry and Natural Resource Economics (3 credits)
- FOR 3210 Regional Silviculture (3 credits)
- FOR 3230 Integrated Forest Management (3 credits)
- FOR 3310 Community and Tribal Forestry (3 credits)
- FOR 3510 Forest Biometry (4 credits)
- FOR 4120 Forest Hydrology (3 credits)
- FOR 4140 Forest Health (3 credits)
- GEOG 1224 Introduction to Map Use (3 credits)
- GEOG 3232 Intermediate Geographic Information Systems (3 credits)
- GEOG 3570 Recreational Lands Management for Sustainable Tourism (3 credits)
- GEOG 4140 Landscape Ecology (3 credits)
- GEOG 4285 Drone Applications (3 credits)

II NATURAL RESOURCE MANAGEMENT ELECTIVES

Select 2 courses from the following, or other relevant courses as determined in consultation with advisor:

- BIOL 3630 Conservation Biology (3 credits)
- BIOL 3723 Ecosystem Ecology (3 credits)
- BIOL 3730 Plant Diversity (4 credits)
- BIOL 4510 Ornithology (3 credits)
- BIOL 4520 Mammalogy (3 credits)
- BIOL 4534 Ichthyology (4 credits)
- ENVR 3600 Environmental Justice and Sustainability (3 credits)
- ENVR 3700 Natural Resource Management (3 credits)
- FOR 4220 Adaptive Silviculture (3 credits)
- GEOG 3226 Cartography (3 credits)
- GEOG 4130 Biogeography (3 credits)
- GEOG 4265 Spatial Analysis (3 credits)