

Revised 10/17/14 #80-UNP  
carry-over

FORMAT 3B

Submit originals and one copy to the Faculty Senate Office

Email electronic copy (with scanned signatures) to [jbharvie@alaska.edu](mailto:jbharvie@alaska.edu)

**REQUEST FOR A NEW MINOR**

**SUBMITTED BY:**

Department	Forest Sciences	College/School	SNRE
Prepared by	John Yarie	Phone	5650
Email Contact	<a href="mailto:jyarie@alaska.edu">jyarie@alaska.edu</a>	Faculty Contact	John Yarie

See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

**PROGRAM IDENTIFICATION:**

<b>TITLE OF MINOR:</b>	<b>Forest Management</b>	
	<i>*Number of credits required for completion (minimum is 15):</i>	
<p>***Unless otherwise specified by the appropriate academic unit, a course may be used more than once toward fulfilling degree, certificate, major and minor requirements. Credit hours for these courses count only once toward total credits required for the degree or certificate. Certifying that [the student has] met all major and minor requirements is the responsibility of [the student's] department faculty, who notify the Registrar's Office." From the General University Requirements section of "How to Earn a Bachelor's Degree" in the UAF Catalog.</p>		<b>16</b>
<i>Do all the required courses currently exist?</i>		<b>YES</b>
<i>If not, list the corresponding New Course paperwork associated with this request:</i>		

**A. DESCRIPTION OF THE PROPOSED MINOR.** Include reasons justifying its creation; objectives of the minor and relationship of the required courses to those objectives.

Forest Management

The Natural Resources Management degree has lost its three concentrations, including one in forestry which was accredited by the Society of American Foresters (SAF). Providing the accredited degree had allowed our students to obtain forestry positions in state government and with private companies that require a bachelor's degree from an accredited institution. To enable future students to learn the essentials of forestry in our new degree structure (the elimination of the three concentration areas) and be eligible for

professional certification by SAF, we propose a new minor in Forest Management. The minor will be available to students in any major that have satisfied course prerequisites. In combination with the NRM major, the Forest Management minor will prepare students for application for professional certification by SAF. This credential identifies individuals with the training and knowledge required to manage the state's forest resources.

**B. PROPOSED MINOR REQUIREMENTS AS THEY WILL APPEAR IN THE CATALOG:**

See samples provided on page 3 of this form.

**Forest Management Minor\***

1. Students must complete the following courses (cannot count toward major): \*\*  
NRM F375—Natural Resource Ecology—3 credits, or BIOL F371—Principles of Ecology—3 credits  
NRM F240—Natural Resources Measurement and Inventory—3 credits  
NRM F251—Silvics and Dendrology—4 credits
  
2. Complete at least 6 credits from the following (cannot count toward major):\*\*  
NRM F370—Introduction to Watershed Management—3 credits  
NRM F440—Silviculture—3 credits  
NRM F450—Forest Management—3 credits  
NRM F452—Forest Health and Protection—3 credits  
NRM F453—Harvesting and Utilization of Forest Products—3 credits
  
3. A student must complete at least 16 credits dedicated to the minor. If the student has taken courses from group 1 in order to complete major requirements, the credits must be made up from additional courses in group 2.\*\*

*\* Potential accreditation as a Certified Forester by the Society of American Forests will require completion of the following Natural Resources Management courses: F251, F440, F450, F452, and F453 in combination with the Natural Resource Management BS degree. Prerequisites required for the courses listed are part of the Natural Resources Degree Program but students from other programs will be required to complete the prerequisites specified for individual classes. NRM F452 also requires the completion of either BIOL F239 or NRM F211 as a prerequisite. These two courses are not required for the general Natural Resources Management program. The prerequisites will not apply to the number of credits for the Forest Management Minor.*

*\*\* Student must earn a C grade or better in each course.*

**C. ESTIMATED IMPACT**

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

This need for the proposed minor results from the restructuring of our degree program. This minor will allow our students to apply to take the SAF accreditation exam. The accreditation exam is a key hurdle in the professional development of a Forestry Professional throughout the country. The potential for a Natural Resources Management major to take the exam will allow them to obtain jobs that do require a Forestry Degree. It will have a minor effect on Faculty resulting from potentially larger class sizes or the need to restructure a class as independent study for potentially smaller class sizes. In one case (NRM F453) an adjunct faculty will have to be located when the course is offered, but this need will exist even in the absence of the minor. There are no anticipated changes in the school's budget or facilities/space requirements as a result of development of this minor degree program.

In addition this Forestry Minor will give us the opportunity to gauge the interest in developing a Forestry Major in the future.

**D. IMPACTS ON PROGRAMS/DEPTS:**

*What programs/departments will be affected by this proposed action?*

*Include information on the Programs/Departments contacted (e.g., email, memo)*

The SNRE Natural Resources Management Program will be enhanced by this action. Students in biology interested in applying their expertise will also find it useful. The minor will help to maintain a student population that is strongly interested in Forestry and Forest Management in the state of Alaska.

**F. PERSONNEL DIRECTLY INVOLVED WITH THE MINOR:**

*List faculty currently teaching the required and elective (if any) courses, with a brief statement of duties and qualifications.*

Dr. J. Dawe – NRM251

Dr. J. Yarie – NRM240, NRM375, NRM440 and NRM450

Dr. N. Harris – NRM370

Dr. Jenifer McBeath – NRM452

Adjunct Hire – NRM453 (class is offered in odd-numbered years)

**G. RELATIONSHIP OF THE PROPOSED MINOR'S OBJECTIVES TO THE "PURPOSES OF THE UNIVERSITY".**

Include additional justifying information to support creation of the minor such as projected and present enrollments; need or public demand for the minor; support of other programs by the minor's creation, etc.

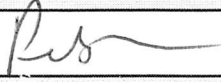
Projected enrollments 10 to 15 students/year

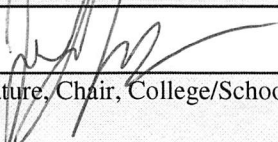
State Division of Forestry, USFS, native corporations, etc. will all need trained forestry professionals to fill the need for vital forest management tied to various resource uses (e.g. fuelwood, lumber, biomass, wildlife management, park management, etc.)

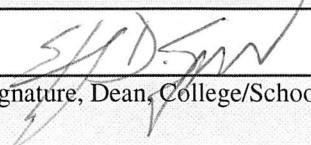
This minor will help to support the NRM program by attracting students that are interested in the forestry profession. The minor will help to prepare NRM students for the certification exam that is conducted by the Society of American Foresters.

The minor will fill an important existing gap in our ability to meet the employment needs of the state.

**APPROVALS:**

	Date	10/14/14
Signature, Chair, Program/Department of:	NRM	

	Date	10/14/14
Signature, Chair, College/School Curriculum Council for:	SNRE	

	Date	16 October 2014
Signature, Dean, College/School of:	SNRE	

**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

	Date	
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Signature, Chair, UAF Faculty Senate Curriculum Review Committee

Final approval will be at the level of the Chancellor or Chancellor's Designee, following vote of approval by the Faculty Senate.

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