



M.Sc. Forestry position in Silviculture and Selection Management
University of New Brunswick
Faculty of Forestry and Environmental Management

Program Summary

Clearcutting has been the dominant forest harvesting practice in Nova Scotia, resulting in young, regenerating, even-aged stands across much of the province. As of June 2022, Nova Scotia has formally transitioned to an [Ecological Forestry](#) model that uses uneven-aged silviculture systems in some forest stand types ([Nova Scotia Guide for the Ecological Matrix](#)), including an increase in the implementation of selection management methods, which target removal of individual or small groups of trees to improve stand quality and promote regeneration of shade-tolerant tree species. However, the selection of which trees to harvest and the effectiveness of tree marking is sparsely practiced and remains poorly understood for the Wabanaki (Acadian) forest area of Nova Scotia.

Now accepting applications from qualified candidates for a 2-year fully funded M.Sc. position which will focus on studying the effectiveness and impacts of tree marking to support selection harvest silvicultural methods and ecological forestry in the Wabanaki (Acadian) forest region.

This is a joint project between the University of New Brunswick and Dalhousie University and the student will become part of the [Ecological Forestry Research Initiative \(EFRI\)](#), a dynamic partnership across institutions. They will have opportunities to participate in conferences, training, and networking with the larger EFRI team, and participate in research direction steering committees.

The student will be based at the Forest Management Laboratory at the University of New Brunswick and will be supervised by [Dr Anthony Taylor](#), Associate Professor of Forest Management.



Program Details

The program will begin in Spring 2024 and consist of two years, with a minimum of \$22,500 annual stipend. The M.Sc. stipend may be increased if the candidate is successful in securing scholarships. The successful candidate will be encouraged to apply for entrance scholarships at UNB (December-January). Pay may also be augmented by teaching assistantships depending on availability.

Qualified candidates should have a Bachelor's degree or strong research experience in either environmental science, forestry, biology, or an allied discipline. Some previous experience or a strong interest in silviculture and forest management would be an asset.

The process for admission to graduate studies in the Faculty of Forestry and Environmental Management is described at <https://www.unb.ca/fredericton/forestry/graduate-programs>.

Diversity, equity, and inclusion

UNB is committed to creating an [inclusive environment](#) in which to study and work. We understand that seeing and celebrating our diversity is a key pathway to achieving that goal. This [website](#) is an ongoing project to catalogue various EDI-related efforts happening in our community and offers ways to engage with this work.

How to apply

If you are interested in this position please send your current CV and a one-page (max) cover letter including an expression of interest and detailing your past relevant experience to [Dr. Anthony Taylor \(anthony.taylor@unb.ca\)](mailto:anthony.taylor@unb.ca).

We anticipate a starting date during the Spring of 2024. Application review will begin no later than **February 1, 2024**, and the position will remain open until filled.