

# HBS Sc Forestry Conservation

Graduates of the HBS Sc Forestry Conservation will be able to:

1.	Identify common Canadian tree species, their distribution, and associated vegetation and wildlife.
2.	Translate concepts from conservation biology, ecology, and ecosystems science to forest management and conservation.
3.	Understand modern silvicultural systems and applied forest management at the stand and landscape scale.
4.	Recognize and appreciate social science perspectives on forests, including policy frameworks, perspectives of multiple stakeholders, and aboriginal perspectives and rights.
5.	Comprehend, critically assess, and apply technical information from scientific literature, government, and non-governmental sources - to forest management, conservation, and stewardship.
6.	Understand qualitative and quantitative tools and approaches to evaluate forests resources and forest environmental services.
7.	Employ statistical analyses and modeling tools to predict and interpret effects.
8.	Apply basic biology, physical sciences, and ecology to problems arising in forest management, conservation, and stewardship.
9.	Apply qualitative and quantitative tools and approaches to evaluate forests resources and forest environmental services.
10.	Demonstrate proficiency in the fundamentals of forest mensuration.
11.	Demonstrate proficiency in hands-on research in experimental lab settings.
12.	Effectively communicate regarding sustainability and stewardship of natural resources, and the complexities and trade-offs that arise therein.
13.	Articulate recommendations and rationales for forest management options to decision-makers and non-forestry professionals.
14.	Demonstrate a capacity to listen to other perspectives, from allied professionals and other stakeholders, to integrate this input to their professional opinions.
15.	Show skills in multi-disciplinary debate and negotiation in issues about forestry management.
16.	Demonstrate knowledge of forestry as a profession, the ethical dimensions of forestry, and the training and legal requirements for practicing forestry.