

Graduate Assistantship in Industrial Ecology and Life Cycle Sustainability Assessment of Forest Bio-products

Research Assistantship is available at the School of Forest Resources of the University of Maine for a student of any academic background (e.g. natural science, forestry, agriculture or chemical or environmental engineering or economics, industrial and systems engineering). The student should be interested to pursue graduate studies at masters or PhD level in the area of environmental life cycle assessment (LCA) and industrial ecology of forest bio-products (e.g. bio-fuels, bio-chemicals). A background in LCA, materials flow analysis (MFA) or industrial ecology is not required, but applicant should be willing to learn the fundamental concepts/principles to pursue this challenging research in sustainability science. Applicant should have or develop good analytical and, database skills, knowledge of basic statistics and probability and be willing to learn new software packages (e.g. SIMAPRO). It is also desirable that he/she has taken or will take a course in systems dynamics, modeling and simulation.

This interdisciplinary research investigates the economic, social and environmental impacts of harnessing the forest resources as a source of bio-fuels, bio-chemicals, bio-plastics, and bio-materials. This research involves close collaboration with forest resource based industries, government agencies, and the other departments at the University of Maine. Further information regarding research interests or topics can be accessed at

http://www.forest.umaine.edu/facstaff/facstaff_pages/halog/index.html

If you are an international student, in addition to Graduate Record Examination (GRE) results, you should also have TOEFL (Test of English as Foreign Language) results for admission purposes.

To apply for this research assistantship position or for further information, contact Anthony Halog at anthony.halog@maine.edu , (207) 581-2944 (tel.) or (207) 581-2875 (fax).