

Graduate Student Positions Available - Mater of Science (MSc) / Master of Applied Science positions (MASc)

Department of Wood Science, Faculty of Forestry, University of British Columbia

The Biorefinery and Biomass Conversion Laboratory at UBC is seeking **two highly motivated MSc/MASc students** to join our research team for the January 2026 intake. The successful candidates will contribute to one of the following projects:

1. Green Solvent-Assisted Biomass Conversion Process
2. Lignin-Based Advanced Materials

Background

Biomass conversion plays a critical role in the transition toward a sustainable bioeconomy, offering environmentally friendly alternatives to fossil-based materials and chemicals. By leveraging green solvents and advanced biorefinery techniques, our research aims to develop innovative processes for efficient biomass utilization. Additionally, the development of lignin-based fire retardant materials offers a promising approach to replacing synthetic flame retardants with bio-based, non-toxic alternatives.

Key Responsibilities

- Design and conduct laboratory experiments
- Perform data analysis and interpretation
- Prepare research reports and contribute to publications
- Present research findings at conferences and seminars
- Collaborate with team members and industry partners

Qualifications

- Bachelor's degree in Forestry, Chemical Engineering, Materials Science, or a related field
- Strong interest in biomass conversion and the sustainable bioeconomy
- Prior experience in laboratory-based research (preferred)
- Excellent communication and scientific writing skills
- Ability to work both independently and collaboratively in a team-based environment
- Strong time management and organizational skills

Benefits

- Competitive stipend
- Support for international conference attendance
- Access to state-of-the-art research facilities and resources at UBC

Interested candidates should submit the following document (CV, cover letter, and unofficial transcripts) to Kwang Ho Kim (kwang.kim@ubc.ca). Successful candidates will be contacted and will need to apply for admission to UBC Forestry Graduate Program for the January 2026 intake.