

Department of Forest Biomaterials

Sustainable, renewable forest biomaterials such as wood, paper, and value-added biomaterials are produced by large and small industries across North Carolina and throughout the US. These renewable biomaterials are used for construction of sustainable housing, low carbon bioenergy, recyclable pulp and paper products, and value-added chemicals and composites. The future is bright for students with a blend of engineering, materials science, and practical business skills that are highly valued by employers.

The Department of Forest Biomaterials offers two curricula leading to Bachelor of Science degrees - Paper Science and Engineering, and Sustainable Materials and Technology. Both curricula feature small classes, extensive interactions between faculty and students, opportunities for internships, co-ops and undergraduate research, and stress the professional development of all students. Graduates are exceptionally well prepared for rewarding professional careers with large or small companies in the renewable biomaterials industries, suppliers to the industry, or with government agencies.

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I.M. Peszlen, *Director of Undergraduate Programs, Sustainable Materials and Technology*

Daniel Saloni, *Director of Graduate Programs*

Professors

M. Hubbe, *Buckman Professor*

H. Jameel

L. Lucia, *University Faculty Scholar*

L. Pal, *University Faculty Scholar*

S. Park, *Jordan Family Distinguished Professor & University Faculty Scholar*

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R. Venditti

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M. McCord

D. Morgan

R. Phillips

Adjunct Associate Professor

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Adjunct Assistant Professors

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A. Ayoub

D. Dayton

Plans

- Paper Science and Engineering (BS) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/paper-science-engineering-bs/>)
- Paper Science and Engineering (BS): Dual Major (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/paper-science-engineering-bs-dual-major/>)
- Paper Science and Engineering (BS): Sustainable Packaging Production (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/paper-science-engineering-bs-sustainable-packaging-production-concentration/>)
- Pulp and Paper Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/pulp-paper-technology-minor/>)
- Sustainable Materials and Technology (BS) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/sustainable-materials-technology-bs/>)
- Sustainable Materials and Technology (BS): SMT Wood Products Concentration (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/sustainable-materials-technology-bs-smt-wood-products-concentration/>)
- Sustainable Materials and Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/natural-resources/forest-biomaterials/sustainable-materials-technology-minor/>)