



NREL's Mission

NREL develops renewable energy and energy efficiency technologies and practices, advances related science and engineering, and transfers knowledge and innovations to address the nation's energy and environmental goals.

www.nrel.gov/employment

Equal Opportunity

NREL is an equal opportunity employer committed to diversity and a drug-free workplace.

National Renewable Energy Laboratory
15013 Denver West Parkway,
Golden, CO, 80401
303.275.3000

NREL is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, operated by the Alliance for Sustainable Energy, LLC.

The National Renewable Energy Laboratory (NREL), located in beautiful Golden, Colorado, is a leader in the U.S. Department of Energy's effort to secure an energy future for the nation that is environmentally and economically sustainable.

Year Round (local) RPP Student Internship Molecular, Chemistry, Materials, ChemE Requisition Number 3942BR

About NREL The National Renewable Energy Laboratory (NREL) is a leader in the U.S. Department of Energy's effort to secure an energy future that is both environmentally and economically sustainable. With locations in Golden, Boulder and Washington D.C., NREL is the primary laboratory for research, development and deployment of renewable energy technologies in the United States. The NREL mission is to develop renewable energy and energy efficient technologies and practices, advance related science and engineering, and transfer knowledge and innovation to address the nation's energy and environmental goals.

Job/Research Summary There is a YEAR ROUND student internship available in the National Renewable Energy Laboratory's (NREL) National Bioenergy Center, in Golden, Colorado. NREL is the nation's primary laboratory for research, development and deployment of renewable energy and energy efficiency technologies. We have an immediate opening for a part-time undergraduate student or graduate internship in Golden, Colorado.

Through biomass research, NREL is developing technologies to convert biomass—plant matter such as trees, grasses, agricultural residue, algae, and other biological material—to fuels, chemicals, and materials. These bioproducts will reduce our nation's dependence on foreign oil, improve our air quality, and support rural economies.

Job Duties The NREL National Bioenergy Center group is conducting research in the field of biomass pretreatment, lignin valorization, chemical catalyst design, and enzymatic hydrolysis assays. The intern will assist in the synthesis, characterization, and testing of supported metal catalysts for upgrading biologically derived acids to value-added chemicals. This is an excellent opportunity for a student who desires to obtain relevant laboratory experience in preparation for graduate school or a career in the chemical industry.

For this internship we are looking for students with a high work ethic and a desire to work in an exacting, intellectually challenging and exciting environment. This is a YEAR ROUND internship.

Required Education and Experience Must be enrolled as a full-time student in a degree granting program, or graduated in the past 12 months from an accredited institution.



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Internship period cannot exceed 12 months past graduation.

Minimum of a 3.0 cumulative grade point average.

Please Note:

Be sure to attach your current transcript (unofficial transcripts are acceptable) on the "Submit Attachments" Page during the application process in order for your GPA and student status to be verified. Additional Required Knowledge, Skills and Attributes To be considered for this internship, students must have laboratory experience. That may be in a classroom setting at the university, but you must have demonstrable experience with safety protocols concerning high temperature, high pressure reactors.

Preferred Qualifications An undergraduate/graduate student in chemistry, chemical engineering, or related field with a desire to work in a laboratory setting and gain experience in biofuels research. Familiarity with relevant general synthetic, spectroscopic, and chromatographic techniques is desirable but not required.

EEO Policy NREL is dedicated to the principles of equal employment opportunity. NREL promotes a work environment that does not discriminate against workers or job applicants and prohibits unlawful discrimination on the basis of race, color, religion, sex, national origin, disability, age, marital status, ancestry, actual or perceived sexual orientation, or veteran status, including special disabled veterans.

NREL validates right to work using E-Verify. NREL will provide the Social Security Administration (SSA) and, if necessary, the Department of Homeland Security (DHS), with information from each new employee's Form I-9 to confirm work authorization. For additional information, please see www.nrel.gov/employment/eo.html.

To Apply: www.nrel.gov/employment

For questions: Marlo Hughen, Sr. Recruiter: Marlo.Hughen@NREL.gov