



Northwestern University Prosthetics-Orthotics Center
680 North Lake Shore Drive, Suite 1100
Chicago, IL 60611
Telephone 312-503-5700
www.nupoc.northwestern.edu

TO APPLY, all applicants must use the Northwestern University Office of Human Resources website: <http://www.northwestern.edu/hr/careers/index.html>

Internal Applicants, click the Current Northwestern Employees link.

External Applicants, click the External Applicants link.

On the NU Careers Home page, please follow these steps to view the Research Engineer 1 position:

1. Click on the "Advanced Search" link located in the Basic Job Search box.
2. Type: Research Engineer 1 into the Keywords text box.
3. Click on the Search button to view the search results.

Job Description

Job Title: Research Engineer 1 Department: MED-Physical Med & Rehab

Job ID: 22433

Location: Chicago Campus

Percent Full Time: 100.00

Grade: EXS / 7

Minimum to Midpoint Salary: \$48,382 - \$64,510

Job Summary:

The Research Engineer will support the research agenda of the Northwestern University Prosthetics-Orthotics Center. The laboratory is actively engaged in multiple projects related to prosthetics and orthotics. The Research Engineer will assist in the design, development, construction and evaluation of prosthetic and orthotic components and tools (e.g. simulations, models, mechanical testing, etc.) as well as assume a role in the dissemination of research results. The position will also assist in conducting and analyzing biomechanical experiments assessing human performance with prostheses and orthoses.



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Specific Responsibilities:

- Contributes to development of new prosthetic and orthotic technology;
- Contributes to development and evaluation of models and simulations;
- Presents documentation of work performed for internal and external (publications and meetings) purposes;
- Analyzes data collected from experiments;
- Conducts experiments with or without human subjects;
- Performs related duties as required or assigned.

Minimum Qualifications:

- A bachelor's degree in biomedical or mechanical engineering (or an equivalent degree) or the equivalent combination of education and experience from which comparable knowledge and abilities can be acquired.

Preferred Qualifications:

- A master's degree in biomedical or mechanical engineering (or an equivalent degree) or the equivalent combination of education and experience from which comparable knowledge and abilities can be acquired;
- Experience with prosthetics and orthotics research;
- Experience with MATLAB;
- Experience using biomechanical assessment tools (motion capture systems, force plates, electromyography, and metabolic measurement systems) to quantify human performance.

As per Northwestern University policy, this position requires a criminal background check. Successful applicants will need to submit to a criminal background check prior to employment.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes including veterans and individuals with disabilities.

Date Posted: 6/12/2014