

Permanent Equipment Engineer Position | NUANCE Center – NUFAB Facility Northwestern University – Evanston, IL

Northwestern University Micro/Nano Fabrication Facility ([NUFAB](#)) is seeking qualified and motivated applicants to work in our state-of-the-art 7000 ft² class-100 cleanroom facility. As a member of the Soft and Hybrid Nanoscale Experimental ([SHyNE](#)) Resource, a node of the [NSF](#)'s National Nanotechnology Coordinated Infrastructure ([NNCI](#)) and Northwestern's recent recruitment of world-renowned microfabrication faculty, NUFAB is going through a phenomenal growth phase. Under direction of Northwestern's Atomic and Nanoscale Characterization and Experimental ([NUANCE](#)) Center and in close association with the Simpson Querrey Institute ([SQI](#)) and The International Institute of Nanotechnology ([IIN](#)), NUFAB expects to continue to lead the Midwest region in micro- and nanofabrication discoveries and development.

The selected candidate will have the opportunity to develop professionally and contribute in many ways, including: maintaining newly acquired microfabrication equipment and qualifying processes on it, equipment troubleshooting and repair, training and assisting graduate students, post-docs, and external users of the facility, and interacting with the NUFAB staff and faculty. This position is for two years with possibility for indefinite renewal based on mutual satisfaction and discretion of faculty director. The permanent position will provide the opportunity to develop a career path at Northwestern University with a position that will enable contributing to equipment grant proposals.

Skills: The preferred candidate will have demonstrated expertise in microfabrication equipment maintenance as well as process qualification. The equipment experience should include fundamental understanding of the principles of the equipment operation, experience of equipment modification, troubleshooting, maintenance, and repair. Experience working in cleanroom environment is preferred. The candidate will have demonstrated the ability to provide hands-on training for microfabrication and characterization equipment. The candidate will have demonstrated experience in chemical and cleanroom equipment safety. The successful candidate will be customer-oriented and will contribute toward improving the operation of the facility.

Duties: The equipment engineer will be responsible for maintaining equipment to perform to its specifications, troubleshooting and repair to minimize down-time, assisting internal and external users of the facility with equipment training, tool use, and safe operation of the facility. This includes teaching safety and cleanroom protocol, writing and updating standard operating procedures (SOPs), training users on microfabrication and characterization equipment, performing equipment installations, maintenance & repair, providing safety oversight and support, performing microfabrication for funded projects and other duties as assigned.

Qualifications: Bachelor's degree in Engineering or Science with background in MEMS or semiconductor micro/nano fabrication and hands-on equipment experience. Candidates with Associate's degree plus several years of suitable experience may also be considered.

Interested candidates will email resume and letter to: <https://bit.ly/3b0olAM>

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.