RESEARCH FOUNDATION CUNY

Careers at RFCUNY
Job Openings

Job Title	Process Engineer
PVN ID	RC-1707-001921
Category	Research
Location	CUNY-ADVANCED SCIENCE RESEARCH CENTER
Department	NanoFabrication Facility
Status	Full Time
Annual Salary	$45,000.00 - $50,000.00
Hour(s) a Week	35
Closing Date	Jul 24, 2017 (Or Until Filled)

General Description

The Advanced Science Research Center (ASRC) NanoFabrication Facility (NanoFab) at the City University of New York (CUNY) invites applications for a full-time cleanroom Process Engineer. This position will be responsible for process related work on a variety of micro/nano fabrication process equipment including tools for e-beam and photolithography, etching, deposition, wet chemical processing, metrology, and back-end processing. Reporting to the NanoFabrication Facility Director, this position's responsibilities include:

- Acting as a technical liaison to NanoFab users
- Assisting NanoFab users in process related troubleshooting and developing new processes
- Training and qualifying users on lab procedures, lab safety, existing processes and equipment
- Assisting in the development of standard operating procedures and best known methods for safety and to prevent injuries
- Calibrating and qualifying processes and process equipment
- Developing and instituting equipment maintenance and monitoring procedures
- Repairing and maintaining various tools in the NanoFab, as well as the modification, upgrade, and development of tools
- Documenting processes performance, tool performance, and lab procedures
- Adding to a process recipe database

Other Duties

Qualifications

- Minimum master's degree in Science or Engineering with research experience in micro/nano-fabrication.
- Demonstrated aptitude for operating complex equipment.

- Ability to execute complex processes, carefully following written procedures with great attention to detail.
- Experience in laboratory settings and a multiuser environment.
- Excellent organization, planning and oral/written communication skills.
- Meticulous record-keeping and data analysis/interpretation abilities.
- Ability to safely work with hazardous materials.
- Ability to work in a collaborative manner, to assist in identifying any challenges or barriers.
- Familiarity with broad range of micro/nanofabrication and semiconductor processing equipment.
- Hands on experience in one or more process areas, including thin-film deposition, wet and dry etching, photolithography and e-beam lithography.