

Nanofabrication Facility Specialist

University of Delaware, Newark, Delaware

The University of Delaware (UD) is constructing a state-of-the-art Nanofabrication Facility, which is scheduled to open in the summer of 2015, as part of the Interdisciplinary Science and Engineering Laboratory. Nanofabrication facilities play a central and essential role in most modern science and engineering research programs as researchers from a wide variety of disciplines realize the opportunities available at the nanoscale. The primary objective of the facility is to enable UD to attract and retain top caliber faculty and to provide the infrastructure necessary to enable faculty and researchers in the tri-state area and beyond to undertake competitive research and development in the growing number of fields that rely on nanofabrication.

Under limited direction from the Nanofabrication Facility Manager, the Nanofabrication Facility Specialist is responsible for closely monitoring the health of the facility's support systems and its research equipment. The Specialist oversees the installation and commissioning of research equipment. The Specialist coordinates University maintenance personnel, manufacturer service technicians, and other

resources to ensure high facility and equipment uptime. The Specialist troubleshoots, maintains, and repairs defective equipment. The Specialist coordinates the safety training of the researchers working in the facility and provides training on the facility's research equipment.

The position requires a Bachelor's degree in physics, engineering, or related field with at least five years' experience, or equivalent combination of education and/or experience. Broad experience with semiconductor fabrication equipment troubleshooting/maintenance/repair. Experience with installing, commissioning, and qualifying a wide range of nanofabrication equipment (lithography, deposition, etch, metrology, inspection).

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