

FEI 430 NanoSEM Policy

Training:

In order to be trained on the FEI 430 NanoSEM, the individual must either have prior SEM experience and demonstrate competence on the JEOL SEM or the individual must first be trained and pass the written and hands on qualification tests on the JEOL SEM.

After the JEOL SEM tests are passed, the individual can then begin training on the FEI NanoSEM. After the training, the individual must pass the written and hands on qualification tests on the FEI NanoSEM in order to become an unsupervised user on the tool.

Qualification:

Qualification is instated when the user has passed all written and hands on exams to the satisfaction of NCNC lab staff. User qualification generally expires after six months of inactivity. Reinstatement will be based on a demonstration to the satisfaction of staff that essential lessons are remembered.

Competence:

It must be remembered that the goal of training is primarily to safeguard the tool against damage or misuse. If there is sufficient evidence that a user is a high risk, their qualification may be re-evaluated. Qualification does not imply a guarantee that specific process goals will be achieved.

FEI SEM Use:

The FEI 430 NanoSEM will have the following priority levels for usage:

1. E-Beam Lithography Writing
2. SEM Imaging
3. New User Training

Charges:

FEI 430 NanoSEM

A one-hour of staff and equipment time for training and is available to new users. For additional training and qualification, normal laboratory rates apply for both equipment time and staff time.

JEOL

Training and qualification on the JEOL will require staff charges (1st hour free) and clean room fees.