

# TEM2 Certification

## FEI Tecnai Transmission Electron Microscope

User Name: \_\_\_\_\_

Item No.	Item Description	Trainer Initial	Trainee Initial	Date
1.0	Know location of manuals and demonstrate ability to correctly log usage			
2.0	Identify components and controls of the instrument			
3.0	Demonstrate ability to fill cold finger with liquid nitrogen			
4.0	Demonstrate ability to load a sample into the sample holder, and load/unload the sample holder into/from the TEM			
5.0	Demonstrate ability bring up the TEM			
6.0	Demonstrate ability to saturate filament and align apertures			
7.0	Demonstrate ability to focus and optimize an image			
8.0	Demonstrate ability to correctly change the kV			
9.0	Demonstrate ability to use the digital camera and save digital images			
10.0	(If Applicable) Demonstrate ability to use diffraction mode			
11.0	Demonstrate ability to return instrument to appropriate safe state for the next user			
12.0	Demonstrate ability to run a Cryo Cycle			

Certification completed:

\_\_\_\_\_  
Signature of trainee

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of trainer

\_\_\_\_\_  
Date