



EQUIPMENT TRAINING LOG

User Name: _____ Start Date: _____

Email: _____ Cell / Phone #: _____

PI: _____ PI Phone#: _____

	Trainer Initial / Date	Qualification Staff Initial/ Date	Super User (X)	Staff Initials
After Hours Access				
Depositions Tools				
CHA Mack 50 Evaporation (superuser tool)				
E-Beam 1 evaporation (Temescal CV-8)				
E-Beam 2 evaporation (Temescal CV-14) (superuser tool)				
CHA Thermal evaporation (SEC-600-RAP)				
PE 4400 Sputtering (superuser tool)				
PE 2400-A Sputtering (superuser tool)				
PE 2400-B Sputtering (superuser tool)				
Electric Plating				
ALD Atomic Layer Deposition Cambridge				

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Lithography Tools				
Canon i4 4000 Stepper (superuser tool)				
E-Beam lithography (superuser tool)				
Karl Suss MA6 Mask Aligner				
Karl Suss MJB-3 Mask Aligner				
Kasper Mask Aligner model 3001				
Quintel Mask Aligner				
UV Flood exposure system				
Solitec spinner Model 5110-CT				
Solitec spinner Model 5110-ND				
Solitec spininer Model 5110-C-TD				
Laurell Spinner #1				
Laurell Spinner #2				
Laurell Spinner #3 (BION)				
Headway Spinner #1				
Headway Spinner #2				

Dry Etching				
STS System DRIE				
Plasma-Therm RIE Model 780				
Trion ICP/RIE				
Ion Milling				
XeF2 Pulsing Etcher				

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Plasma-Asher				
Gasonics Downstream Plasma Ashing				
Technics II 500				
Plasma line asher				
CVD System				
Plasma-Therm PECVD Model 780				
BMR Low Temp PECVD (superuser tool)				
Anicon LTO CVD (superuser tool)				
ASM LPCVD low-stress nitride, poly (superuser tool)				
Diffusion Furnaces				
6 inch Dry and Wet Oxidation Tube (superuser tool)				
4 inch Dry Oxidation Tube				
4 inch long anneal Tube				
4 inch sintering Tube				
4 inch Boron Tube (superuser tool)				
2 inch Nano furnace Tube (superuser tool)				
6 inch mini-brute thermal bonding Tube				
4 inch mini-brute Tube				
Heatpulse 610 RTA				
Anodic Bonding Furnace up to 4 inch (superuser tool)				

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Characterization				
SEM Hitacht 4700 / EDAX				
HS200 Confocal Microscope / Profiler (superuser tool)				
Dektak Profilometer				
Tencor FLX-2320A Stress measurement tool				
Nanospec AFT / Nanometrics 200				
Gardner ellipsometer (superuser tool)				
Tousimis 815C CPD (superuser tool)				

Back-End Processing Tools				
K&S 780 Dicing Saw (superuser tool)				
K&S Wedge Bonder				
K&S Gold Ball Bonder				
Hybrid Ball Bonder				
Cincinnati Sub-Zero Environmental chamber				
Tenney Environmental chamber				
Inert Environment Blue M Oven 600 Degree				
Vacuum Oven				

***If user does not utilize a specific tool for 90 days or more, access to the tool is denied and the user must see technical staff to be re-certified.**



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After Hours Access				
Laminar Flow Wet Chemical / HF Benches				
Depositions Tools				
E-Beam Evaporation (Temescal SR-10)				
MRC Modek 8667 Sputtering System				
Lithography Tools				
Karl Suss MA56 Mask Aligner				
Quintel Mask Aligner				
AB&M.INC UV Flood exposure system				
Laurell spinner Model				
Laurell spinner Model				
Laurell spininer Model				
Dry Etching				
Plasma Technology Model 800MP RIE				
Plasma Technology Model DP800 UP				
Laser Ablation Tool Resonetics				

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Plasma-Asher				
Anatech LTD Model SP100 Plasma system				
Technics II 500 Mercator Control Plasma system				
Plasma line asher				
Harrick Plasma Cleaner				
CVD System				
Tylan PVD-1000				
Applied MST MVD 100				
Hot Embossing				
Nano Imprinter Jenoptik Hex03				
REY Embosser				
Scientific Technology Embosser				
Digital Combo Embosser				
Characterization				
Dektak 3 Profilometer				
Back-End Processing Tools				
CO2 Water Jacketed Incubator Series II				
Class II Biohazard Safety Hoods				
Rapid Temp 1800 Series Furnace				

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