

## Gateway/JSNN Equipment Pricing 2018

JSNN/NIC Contact: jsnntools@ncat.uncg.edu			
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Instrument	Location	Industry Rate (per hour)	Academic Rate (per hour)
<b>Available for training and use by NIC Partners or tech staff service through Gateway Materials Test Center (GMTC)</b>			
<b>Analytical Chemistry Core</b>			
Agilent 500 LCMS Mass Spectrometer	BL05 Analytical Lab	\$ 61.00	\$ 30.50
Agilent 920 HPLC Liquid Chromatography System	BL05 Analytical Lab	\$ 61.00	\$ 30.50
Agilent FTIR with Single Point Detector	BL05 Analytical Lab	\$ 55.00	\$ 27.50
Rigaku (Agilent) Gemini XRD	BL05 Analytical Lab	\$ 91.00	\$ 45.50
Cary Fluorometer 1	BL05 Analytical Lab	\$ 55.00	\$ 27.50
Cary Fluorometer 2	BL05 Analytical Lab	\$ 55.00	\$ 27.50
Horiba SPRI-LAB+ Surface Plasma Resonance System	BL05 Analytical Lab	\$ 61.00	\$ 30.50
Horiba XACTII Arrayer System	BL05 Analytical Lab	\$ 50.00	\$ 25.00
Horiba XploRA Raman Confocal Microscope	BL05 Analytical Lab	\$ 61.00	\$ 30.50
Malvern ZEN3600 Zetasizer	BL05 Analytical Lab	\$ 61.00	\$ 30.50
Microtrac Zetatrac	BL05 Analytical Lab	\$ 55.00	\$ 27.50
Nanosight LM10-HSBF Nanoparticle Characterization	BL05 Analytical Lab	\$ 55.00	\$ 27.50
Rame Hart Goniometer/Tensiometer	BL05 Analytical Lab	\$ 55.00	\$ 27.50
Sample Prep Fume Hood	BL04 Sample Prep Lab	\$ 20.00	\$ 10.00
Agilent 400NMR	BL07 NMR Lab	\$ 48.00	\$ 24.00
Agilent 700NMR	BL07 NMR Lab	\$ 85.00	\$ 42.50
Agilent 6000i UV-Vis Spectrophotometer	L206 NanoChemistry	\$ 61.00	\$ 30.50
Agilent 670 FTIR Spectrometer w/ATR	L206 NanoChemistry	\$ 55.00	\$ 27.50
CEM - Microwave Reactor	L206 NanoChemistry	\$ 55.00	\$ 27.50
Free Zone 6 Freeze Dryer	L206 NanoChemistry	\$ 55.00	\$ 27.50
Horiba Fluoro-Max 4 fluorometer	L206 NanoChemistry	\$ 55.00	\$ 27.50
L206 NanoChemistry Lab - General Lab use	L206 NanoChemistry	\$ 73.00	\$ 36.50
Legend XFR Centrifuge #1	L206 NanoChemistry	\$ 55.00	\$ 27.50
Legend XFR Centrifuge #2	L206 NanoChemistry	\$ 55.00	\$ 27.50
Varian 710-ES ICP Spectrophotometer	L206 NanoChemistry	\$ 73.00	\$ 36.50
Varian 820-MS ICP-MS spectrophotometer	L206 NanoChemistry	\$ 90.00	\$ 45.00
Micrometrics ASAP 2020 Surface Area and Porosity System Analyzer	L208 Thermochemical	\$ 61.00	\$ 30.50

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Nanobiology Core			
FACS Aria III - Flow Cytometer System	L102 NanoBiology Lab	\$ 73.00	\$ 36.50
L102 NanoBiology Lab - general use	L102 NanoBiology Lab	\$ 73.00	\$ 36.50
Olympus Inverted Microscope w/Fluor.	L102 NanoBiology Lab	\$ 40.00	\$ 20.00
L203 Genomics Lab - general use	L203 Genomics Lab	\$ 73.00	\$ 36.50
Siemens MRI 3T	L111 MRI Lab	\$ 550.00	\$ 275.00
Advanced Microscopy Core			
Nanopatterning Visualization Engine (NPVE)	BL02 FESEM Lab	\$ 61.00	\$ 30.50
Zeiss Auriga FIB/FESEM with EDX	BL02 FESEM Lab	\$ 73.00	\$ 36.50
Zeiss Libra TEM	BL02A TEM Lab	\$ 151.00	\$ 75.50
Zeiss Orion Plus Helium Ion Microscope	Microscope Lab	\$ 303.00	\$ 151.50
Agilent 5600LS AFM	BL03 AFM Lab	\$ 73.00	\$ 36.50
Leica Sputter Coater (AuPd/C)	BL04 Sample Prep Lab	\$ 20.00	\$ 10.00
South Bay Plasma Cleaner (O2/Ar)	BL04 Sample Prep Lab	\$ 20.00	\$ 10.00
Axio Imager Z2M upright Microscope	L104 NanoBioPhysics	\$ 55.00	\$ 27.50
Cytoviva Darkfield and Hyperspectral Imaging	L104 NanoBioPhysics	\$ 61.00	\$ 30.50
Hitachi S-4800 FESEM w/EDX*	L110 Cleanroom	\$ 20.00	\$ 10.00
Zeiss EVO LS SEM	L110N BioCleanroom	\$ 73.00	\$ 36.50
Zeiss Z1 Spinning Disk Confocal	Lab	\$ 61.00	\$ 30.50
Buehler MetaServ 250 Grinder-Polisher			
Material Testing Core			
Hot Disk TPS2500S Thermal Conductivity System	L106 Nanomaterial (NM) Characterization Lab	\$ 55.00	\$ 27.50
Perkin Elmer DMA8000	L106 NM Charac. Lab	\$ 55.00	\$ 27.50
Perkin Elmer DSC6000	L106 NM Charac. Lab	\$ 61.00	\$ 30.50
TA Q200 Digital Scanning Calorimeter	BL05 Analytical Lab	\$ 61.00	\$ 30.50
TA Q500 Thermogravimetric Analyzer	BL05 Analytical Lab	\$ 61.00	\$ 30.50
Agilent Technologies 4294A Impedance Analyzer	L104 NanoBioPhysics	Contact JSNN for pricing	Contact JSNN for pricing
Agilent Technologies 54624A Oscilloscope	L104 NanoBioPhysics	Contact JSNN	Contact JSNN
Cascade REL-4800 Manual Probe Station	L104 NanoBioPhysics	Contact JSNN	Contact JSNN
Princeton Applied Research VersaSTAT4	L104 NanoBioPhysics	Contact JSNN	Contact JSNN
Agilent Network Analyzer (integrated to AFM)	BL03 AFM Lab	Contact JSNN	Contact JSNN
Axon P10 Patch Clamp	L104 NanoBioPhysics	Contact JSNN	Contact JSNN
Addl. material testing tools, please check GMTC assets below	GMTC	Contact JSNN	Contact JSNN

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Micro- and Nanofabrication Core			
Carbolite High Temp Furnace	L105 Synthesis Lab	\$ 61.00	\$ 30.50
Fusion3 3D Printer	L105 Synthesis Lab	\$ 36.00	\$ 18.00
Synthesis Lab General Use	L105 Synthesis Lab	\$ 55.00	\$ 27.50
<b>Cleanroom Use Fee</b>	L110 Cleanroom	\$ 121.00	\$ 60.50
Air Control Wet Bench - Poly	L110 Cleanroom	Incl. cleanroom (CR) use fee	Incl. cleanroom (CR) use fee
Air Control Wet Bench - Stainless	L110 Cleanroom	incl. CR use fee	incl. CR use fee
Americhem Wet Bench*	L110 Cleanroom	incl. CR use fee	incl. CR use fee
Brush Cleaner*	L110 Cleanroom	\$ 30.00	\$ 15.00
IPEC Avanti CMP System*	L110 Cleanroom	\$ 30.00	\$ 15.00
L110 Cleanroom - general use*	L110 Cleanroom	\$ 121.00	\$ 60.50
Lam 4420B Plasma Etch System*	L110 Cleanroom	\$ 30.00	\$ 15.00
Novellus Concept 2 PECVD System*	L110 Cleanroom	\$ 121.00	\$ 60.50
Plasmatherm ICP 770 DRIE*	L110 Cleanroom	\$ 80.00	\$ 40.00
PVD 75 Evaporation System*	L110 Cleanroom	\$ 30.00	\$ 15.00
PVD 75 Sputtering System*	L110 Cleanroom	\$ 30.00	\$ 15.00
Ultratech Savannah S200 ALD*	L110 Cleanroom	\$ 137.50	\$ 68.75
Zeiss Microscope with micrographic camera	L110 Cleanroom	Incl. cleanroom (CR) use fee	Incl. cleanroom use fee
Gaertner Ellipsometer	L110M - Lithography	incl. CR use fee	incl. CR use fee
Jandel Multi-Height Probe	L110M - Lithography	incl. CR use fee	incl. CR use fee
KLA-Tencor Profilometer	L110M - Lithography	incl. CR use fee	incl. CR use fee
Laurell Spin Processor	L110M - Lithography	incl. CR use fee	incl. CR use fee
OAI 8808 Mask Aligner*	L110M - Lithography	\$ 60.00	\$ 30.00
PE-100-RIE Plasma Etch System	L110M - Lithography	incl. CR use fee	incl. CR use fee
Reynolds Tech Wet Bench	L110M - Lithography	incl. CR use fee	incl. CR use fee
Tousimis Critical Point Dryer*	L110M - Lithography	\$ 20.00	\$ 10.00
Ultron UV Curing System	L110M - Lithography	incl. CR use fee	incl. CR use fee
Vacuum Oven	L110M - Lithography	incl. CR use fee	incl. CR use fee
YES Vapor HMDS Oven*	L110M - Lithography	\$ 20.00	\$ 10.00
Jetlab4 Inkjet Printing System*	L110N BioCleanroom	\$ 50.00	\$ 25.00
<b>* Tools in L110 Cleanroom will incur cleanroom use fee</b>			

## Gateway/JSNN Equipment Pricing 2018

Tools only available by tech staff service through Gateway Materials Test Center (GMTC)			
<b>Tech Staff Rate</b>		\$70	\$70
Thermo Scientific Escalab Xi+ (XPS/UPS/ISS/REELS)	BL05 Analytical Lab	\$ 100.00	\$ 50.00
Hysitron TI 950 Nanoindenter	BL03 AFM Lab		
<b>GMTC Assets</b>			
Amana Clothes Washer (3)	Call GMTC for quote		
Carver Platen Press	Call GMTC for quote		
Chevalier Mill	Call GMTC for quote		
Chevalier Precision Grinder	Call GMTC for quote		
DeWalt 10" Table Saw	Call GMTC for quote		
Fisher Johns Melting Point Apparatus	Call GMTC for quote		
Harrison Lathe	Call GMTC for quote		
Injection Molding Machine	Call GMTC for quote		
Instron 3384 Material Test Frame w/environmental chamber	Call GMTC for quote		
chamber	Call GMTC for quote		
Instron 8802 Dynamic Test Frame	Call GMTC for quote		
Instron 9250G Impact Test Frame	Call GMTC for quote		
Kenmore Clothes Dryer (3)	Call GMTC for quote		
LR Technologies Walk-in Oven with cart	Call GMTC for quote		
McGill Bonding Autoclave	Call GMTC for quote		
Mitutoyo Height Gage	Call GMTC for quote		
Mitutoyo Vis System	Call GMTC for quote		
Ohaus Dual Range Balance	Call GMTC for quote		
Shore Hardness Tester Type A	Call GMTC for quote		
Shore Hardness Tester Type D	Call GMTC for quote		
Surface Plate	Call GMTC for quote		
Tenney C-Evo Environmental Test Chamber	Call GMTC for quote		
Tennsmith Brake	Call GMTC for quote		
Waterjet Cutting Table	Call GMTC for quote		
Wilton Horizontal Saw	Call GMTC for quote		
<b>JSNN/NIC: jsnntools@ncat.uncg.edu</b>			
<b>GMTC: Ms. Nichole Funderburk - nicholef@gatewayurp.com</b>			
<b>Tech staff rate: \$70/hour</b>			