

UCF AMPAC - Materials Characterization Facility – ACADEMIC Fee Schedule

MCF engineer time is charged at \$20 per hour.

<u>Equipment</u>	<u>Hourly Rate</u>
Optical Microscopes	
Metallurgical Microscope	\$20
Confocal Laser Scanning Microscope	\$30
Lift-Out Station	\$20
MicroRaman Spectroscopy	\$30
Scanning Electron Microscopy (SEM)	
Jeol JSM-6480	\$30
Zeiss Ultra-55	\$50
Transmission Electron Microscopy (TEM)	
Jeol TEM-1011	\$50
Tecnai F30	\$75
Focused Ion Beam (FIB)	
FEI 200 TEM	\$50
Zeiss FIB Crossbeam	\$70
X-Ray Diffraction (XRD)	
XRD1 - Basic Diffraction	\$30
XRD2 - Environmental Diffraction	\$50
XRD3 - Thin Film Diffraction	\$50
X-ray Fluorescence Spectrometer (XRF)	\$30
Secondary Ion Mass Spectrometry (SIMS)	
Cameca IMS-3F	\$50
PHI Adept	\$50
Miscellaneous	
ESCA/XPS PHI 5400	\$45
Profilometer	\$15
Rutherford Backscatter (RBS)	\$50
AES/SAM PHI 600 (Auger)	\$35
Sample Prep	
Allied Polisher (user supplies consumables) (TEM prep)	\$20
Critical Point Dryer	\$20
Diamond Band Saw	\$10
Diamond Saw (Slow Speed) (user supplies blade)	\$10
Dimple Grinder (TEM Prep)	\$10
Struers Electrochemical Jet Polisher (TEM Prep)	\$20
Gatan PECS (Coating System)	\$30
Low Angle Ion Mill (TEM Prep)	\$20
Leica Cryo-Ultramicrotome (Glass Blade)/(MCF's Diamond Blade)	\$20/50
Leica Trimmer	\$20
Metallurgical Polisher	\$20
Vibratory Polisher	\$20
Plasma Cleaner (TEM Prep)	\$20
Sputter Coater (EMITECH)	\$10
Vacuum Evaporator (JEOL) Carbon Coater	\$10