

**ARSC FY17 Equipment Tier & Average Training Cost
Texas State University**

Equipment	Tier	Ave. Hours	Type C
			Cost to Train
AFM	3		
Base Training - non contact mode	3	5	\$185.00
Contact mode	3	1.5	\$55.50
Bio-Rad	3		
Contactless Mobility	1	1	\$18.00
Critical Point Dryer	2	2	\$52.00
Cryotome (New - Shandon)	2	4	\$104.00
Electrical Characterization System	3		
4 point probe	3	1.5	\$55.50
Hall	3	4	\$148.00
DLTS	3	4	\$148.00
Film Thickness Measurement System #1	1	1	\$18.00
FTIR Raman	3	2	\$74.00
FV1000 Confocal	4	7	\$371.00
Glass Knife Maker	1	1	\$18.00
Imaging Sputter Coater - Iridium & Carbon*	2	0.50*	\$13.00
JEOL SEM	4	4	\$212.00
Nano Mechanical Analyzer	3	3	\$111.00
Optical Microscope	1	1	\$18.00
PPMS	3		
Base Training	3	4	\$148.00
VSM	3	2	\$74.00
Hall	3	4	\$148.00
Probe Station #1 (Zeus)	1		
DC LV	1	1	\$18.00
CV (LCR Meter)	1	1	\$18.00
Impedance Analyzer	1	1	\$18.00
Probe Station #2 (Athena)	1		
DC LV	1	1	\$18.00
CV (LCR Meter)	1	1	\$18.00
Impedance Analyzer	1	1	\$18.00
Probe Station #3 (Hermes)	1		
DC LV	1	1	\$18.00
CV (LCR Meter)	1	1	\$18.00
Impedance Analyzer	1	1	\$18.00
Surface Profilometer	2	1	\$26.00
SEM	5		
Base Training - Ebeam, low/high res, EDAX	5	6	\$450.00
FIB*	5	3*	\$225.00
Gas injectors	5	3	\$225.00
S.T.E.M.	5	1.5	\$112.50
vCD detector	5	1	\$75.00
TEM (JEOL)	4	8	\$424.00
Ultramicrotome	2	4	\$104.00
Wire Bonder	2	2	\$52.00
XPS	4	5	\$265.00
XRD	4		
XRR	4	2	\$106.00
Bragg-Bretano	4	3	\$159.00
SAXS	4	2	\$106.00
Rocking Curve/RFM	4	4	\$212.00
Hot Stage	4	2	\$106.00
Pole Figure	4	3	\$159.00
Stress Measurements	4	2	\$106.00

* = does not include consumables charges

Equipment Tiers and Hourly Rates*	
Tier (2013)	Hourly Charge
1	\$18.00
2	\$26.00
3	\$37.00
4	\$53.00
5	\$75.00

Minimum Monthly Usage Fee*	
Type C	\$300.00

Monthly Project Cap*	
Type C	Soft Cap - \$1525.00**
** = After soft cap is reached, the project will be charged at 25% of the regular hourly cost	
Training and Consumables charges do NOT contribute to the monthly usage project cap, and are billed separately.	

Monthly Training Cap*	
Type C	Soft Cap - \$915.00**
** = After soft cap is reached, the project will be charged at 25% of the regular hourly cost	
Training and Consumables charges do NOT contribute to the monthly usage project cap, and are billed separately.	

ARSC Consumables Charges	
	Type C
Iridium	\$14.85/run
FIB	\$7.50/hour
1 run = 2 nm of Iridium	

These are current ARSC rates and are subject to change!

Contracts may be subject to facilities and administrative cost recovery. These rates represent a baseline external rate for access to our ARSC facilities. University users are subject to a separate set of internal rates. Some University-Industry partners may be eligible for an internal rate - if you have questions, please consult with your Principal Investigator.