Billing Policy Overview:

LEXI has a “YOU BREAK IT, YOU BUY IT” policy if you cause damage to any LEXI instrument or equipment.

Training certification is required before use of any LEXI instrument or facility.

The rates for each instrument are detailed below.

Off-peak hours are from 8 pm to 8 am, seven days a week, as well as all hours on Saturday and Sunday.

Click to view the complete Billing Policy

Usage Rates:

The Laboratory for Electron and X-ray Instrumentation has two laboratories: the Calit2 Microscopy Center and the Materials Characterization Center (MC2).

<table>
<thead>
<tr>
<th>Recharge Rates*</th>
<th>Internal/Academic</th>
<th>External/Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Calit2 Microscopy Center</strong></td>
<td></td>
<td></td>
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<tr>
<td>FEI Quanta 3D FEG Dual Beam (8am-8pm)</td>
<td>$45/hr</td>
<td>$135/hr</td>
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<tr>
<td>Quanta 3D Off-Peak (8pm - 8am) and Weekends</td>
<td>$30/hr</td>
<td>$100/hr</td>
</tr>
<tr>
<td>Quanta 3D Nighttime Use Cap (8 pm - 8 am) [2]</td>
<td>$150</td>
<td>N.A.</td>
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<tr>
<td>Quanta 3D CaSTL Per-Day Cap (Wednesdays) [3]</td>
<td>$350</td>
<td>N.A.</td>
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<tr>
<td>Quanta 3D Basic Training (3 hrs) [1]</td>
<td>$120</td>
<td>$360</td>
</tr>
<tr>
<td>FEI Magellan XHR SEM (8 am - 8 pm)</td>
<td>$45/hr</td>
<td>$135/hr</td>
</tr>
<tr>
<td>Magellan Off-Peak (8 pm - 8 am) and Weekends</td>
<td>$30/hr</td>
<td>$100/hr</td>
</tr>
<tr>
<td>Magellan Nighttime Use Cap (8 pm - 8 am) [2]</td>
<td>$150</td>
<td>N.A.</td>
</tr>
<tr>
<td>Magellan Basic Training (SEM, EDS, CBS, EBL) [1]</td>
<td>$40/hr</td>
<td>$120/hr</td>
</tr>
<tr>
<td>Advanced Training, Quanta &amp; Magellan [4]</td>
<td>$100/hr</td>
<td>$300/hr</td>
</tr>
<tr>
<td>Quanta &amp; Magellan Use Cap (per student per quarter) [5]</td>
<td>$2,000</td>
<td>N.A.</td>
</tr>
<tr>
<td>Rigaku SmartLab XRD [6]</td>
<td>$5/hr</td>
<td>$15/hr</td>
</tr>
<tr>
<td>Rigaku SmartLab XRD Basic</td>
<td>$40/hr</td>
<td>$120/hr</td>
</tr>
</tbody>
</table>
Training [1]
Rigaku Ultima III XRD [6] $5/hr $15/hr
Rigaku Ultima III XRD Basic Training [1] $40/hr $120/hr
Vibrometer $35/hr $75/hr
Vibrometer Training (3 hrs) $120 $360
IBS/e Sputter Coater for non-SEM use $20/hr N.A.
Specimen Preparation Equipment (per quarter) [7] $75 N.A.
Nano-R AFM (Atomic Force Microscope) $15/hr $45/hr
AFM Basic Training (3hrs) [1] $120 $360

Materials Characterization center (MC2)
Philips CM20 TEM (8 am - 8 pm) $40/hr $120/hr
Philips CM20 TEM Off-Peak (8 pm - 8 am) and Weekends $20/hr $60/hr
Philips CM20 Basic Training (8 hrs) [1] $320 $960
Philips XL-30 FEG SEM (8 am - 8 pm) $40/hr $120/hr
Philips XL-30 Off-Peak (8 pm - 8 am) and Weekends $20/hr $60/hr
Philips XL-30 Basic Training (3 hrs) [1] $120 $360
CM20 & XL-30 Use Cap (per student per quarter) [5] $1000 N.A.
Siemens D5000 XRD [6] $5/hr $15/hr
Siemens D5000 XRD Basic Training [1] $40/hr $120/hr
Advanced Training on MC2 Instruments [8] $100/hr $300/hr
Specimen Preparation equipment (per quarter) [7] $75 N.A.
Technical Staff Assistance $40/hr $120/hr
Consumable Materials and Supplies Cost plus 15% Cost Plus 15%

*All are hourly-based rates except those indicated specifically. No-shows who do not cancel a reservation within 24 hours are charged at 50% off normal rates.
Usage time is rounded to the next nearest half hour.

[1] Basic training covers machine functions and operation, and does not imply training in theory and advanced applications.
[3] Maximum $350 charge for up to 24 hours use on Wednesdays by CaSTL members.
[4] Including cross-training between SEMs, STEM, Omniprobe TEM sample prep, EBSD, Environmental SEM operation, advanced EBL.
[5] The cap is ONLY applied to overnight (8 pm - 8 am) and weekend usage of the Quanta 3D FEG, Magellan, XL-30, and CM20 - and is applied per user per instrument.
[6] All hours for the three XRDs are billed at one rate. There is a ½ hour minimum charge for all XRDs. There is a quarterly (3 month) use cap for the XRDs, which is currently $1,250 per academic research group ($5,000 per year) and $3,750 per company ($14,000 per year).
[7] Flat fee per user. Including sputter coater (for SEM use), plasma cleaner, lapping and polishing system, slow speed saw, wire saw, light optical microscope, dimpler, twin-jet polisher, and Fischione ion mill. Supplies and consumables are extra. LEXI encourages users to purchase their own consumables.
[8] Including CDF TEM imaging, weak beam TEM imaging, HRTEM imaging, CBED, Nanoprobe, advanced XRD.