<table>
<thead>
<tr>
<th>Instrument</th>
<th>On-Campus Academic Hourly Rate</th>
<th>Off-Campus Academic Rate</th>
<th>Industry Rate</th>
<th>Industry Expedite Rate</th>
<th>On-Campus Academic Overnight/Experimental Run Rate</th>
<th>Off-Campus Academic Overnight/Experimental Run Rate</th>
<th>Industry Overnight Run Rate</th>
<th>Industry Overnight Run Expedite Rate</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Instrument Rate (Olympus Profilometer, Polyvar, Vertex, Ellipsometer, Laser Cutter, Nano-Indenter, Magnetometer, Profilometer, Zygo)</td>
<td>$25</td>
<td>$38</td>
<td>$50</td>
<td>$150</td>
<td>$125</td>
<td>$191</td>
<td>$250</td>
<td>$750</td>
<td>4</td>
</tr>
<tr>
<td>XRF Equipment Use</td>
<td>$25</td>
<td>$38</td>
<td>$50</td>
<td>$150</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AFM Equipment Use</td>
<td>$29</td>
<td>$44</td>
<td>$58</td>
<td>$174</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XPS Equipment Use</td>
<td>$65</td>
<td>$99</td>
<td>$130</td>
<td>$390</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEM Quanta Equipment Use</td>
<td>$42</td>
<td>$64</td>
<td>$84</td>
<td>$252</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEM Quanta EBSD or MAPS Software</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$168</td>
<td>$256</td>
<td>$336</td>
<td>$1,008</td>
<td>4</td>
</tr>
<tr>
<td>Helios dbFIB Equipment Use</td>
<td>$65</td>
<td>$99</td>
<td>$130</td>
<td>$390</td>
<td>$260</td>
<td>$397</td>
<td>$520</td>
<td>$1,560</td>
<td>5,6</td>
</tr>
<tr>
<td>S/TEM Equipment Use</td>
<td>$80</td>
<td>$122</td>
<td>$160</td>
<td>$480</td>
<td>$320</td>
<td>$488</td>
<td>$640</td>
<td>$1,920</td>
<td>6</td>
</tr>
<tr>
<td>Professional Tech Support</td>
<td>$65</td>
<td>$99</td>
<td>$130</td>
<td>$390</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Tech Support</td>
<td>$23</td>
<td>$35</td>
<td>$46</td>
<td>$138</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumables, Precious Metals &amp; Gases (Cost billed per item used)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumables: Nanoindenter tip for heating stage, cost billed if tip is broken?</td>
<td>$1,935</td>
<td>$2,950</td>
<td>$2,950</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Effective July 1, 2019
2. Rates subject to change
3. Expedite rates apply to urgent requests
4. Consumables: Nanoindenter tip for heating stage, cost billed if tip is broken
5. S/TEM Equipment Use
6. Helios dbFIB Equipment Use
7. Consumables: Nanoindenter tip for heating stage, cost billed if tip is broken
<table>
<thead>
<tr>
<th>Sample Preparation Rate (per sample, charged by supply checkout)</th>
<th>On-Campus Academic Per Each Rate</th>
<th>Off-Campus Academic Rate</th>
<th>Industry Rate</th>
<th>Industry Expedite Rate</th>
<th>On-Campus Academic Overnight/Experimental Run Rate</th>
<th>Off-Campus Academic Overnight/Experimental Run Rate</th>
<th>Industry Overnight Run Rate</th>
<th>Industry Overnight Run Expedite Rate</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ion polishing or manual cutting, polishing or coating, ultrasonic cutter, disk cutter, disk polisher, dimple, Gatan thin PIPS, grid, argon, mounting media</td>
<td>$25</td>
<td>$38</td>
<td>$50</td>
<td>$150</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lab users can cancel any unused reservation time following a tool disable, and they will not be billed for the unused reservation time. Lab users need to cancel their tool reservation prior to their reservation start time to avoid unused reservation charges.

Notes:
1. Rates are subject to change.
2. If you are a for-profit entity using a federal grant or contract to pay for your lab fees you qualify for the off-campus academic rates.
3. The Industry Expedited Rate is for industrial customers who desire results with a fast turnaround - within 2 business days subject to the following restrictions. Expedited rate runs must be pre-approved by staff, and accounting prior to beginning work. For more details, please contact Brian Van Devener at: bvandev@chem.utah.edu
4. Overnight unattended runs are to be scheduled between the hours of 5:00pm-8:00am
5. Overnight unattended runs for the FIB (slice and view) are to be scheduled between the hours of 5:00pm-8:00am
6. Experimental runs must be preapproved and scheduled by the staff and run during business hours.
7. Nanoindenter – for use of the special xsol heating stage, it is strongly encouraged to have staff use the probe for this stage. If users want to be trained on the use of the xsol heating stage, the user’s PI (or supervisor) would be responsible for replacing the probe if it is damaged during use. The cost is $1935. Please contact Nanofab staff for more details. This does not apply to normal, ambient use of the nanoindenter.

Payment Policy
- Services are billed at the end of each calendar month.
- Payment is due Net 30 from the date of invoice.
- If payment is not received within 60 days of the invoice date, the lab member will be locked out of the lab.

UTAH NANOFAB
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