

Description of Service		Service Unit	Cost / Unit (CDN\$)		
			Internal (uOttawa)	External - Academic	External - Non-academic
PROCUREMENT OF SERVICES (Minimum charge of 1 hour or 1 run)					
1	SEM imaging using Raith Pioneer or GeminiSEM 500 <i>Includes technologist time</i>	Hour	40	80	240
2	E-beam lithography using Raith Pioneer <i>Includes technologist time</i>	Hour	To be negotiated		
3	Chambered sample processing (Etching, Rapid Thermal Annealing System) <i>Includes technologist time and process gases</i>	Hour	30	60	180
4	Metal deposition using Angstrom Nexdep Evaporator <i>Includes technologist time and common metals (exception: precious metals - \$1.30/nm)</i>	Run	100	150	200
5	Wet processing (Glovebox, Electroplating System) <i>Includes technologist time and common consumables</i>	Hour	40	80	240
6	Metrology work (AFM, Elipsometer, Metricon, Profilometer) <i>Includes technologist time</i>	Hour	40	80	240
7	Photolithography work (Mask Aligner) <i>Includes technologist time</i>	Hour	40	80	240
8	Post-processing (wire bonding, solder reflow) and sample preparation <i>Includes technologist time. Sputtering costs: \$1.30/nm for precious metals.</i>	Hour	40	80	240
9	ORION NanoFab inspection / microscopy <i>Includes technologist time</i>	Hour	60	120	240
10	ORION NanoFab processing <i>Includes technologist time</i>	Hour	To be negotiated		
MEMBERSHIPS					
<ul style="list-style-type: none"> • Training will not be provided to M.Eng. students or visiting researchers, except for exceptional circumstances as adjudicated by the NanoFab Director • Training will not be provided to undergraduate students for AFM's or beam tools (GeminiSEM 500, Raith Pioneer SEM + EBeam, Orion NanoFab, Evaporator) 					
11	NanoFab Package: Unlimited access to all labs and tools (with the exception of the Zeiss ORION NanoFab HIM/FIB) for up to three personnel. Includes up to 1,000 nm of precious metal deposition (\$1.30/nm for additional use). <i>Includes technologist time for training users.</i>	Year	5,500	11,000	To be negotiated per user
12	Metrology Package: Unlimited access to all metrology, microscopy and wet chemistry tools for up to three personnel. <i>Includes technologist time for training users.</i>	Year	1,500	3,000	To be negotiated per user
13	Unlimited access to wet chemistry lab for chemical storage and use of fume hood and wet benches by qualified students and personnel.	Year	Free	1,000	To be negotiated per user

Please note:

- We reserve the right to remove user access when deemed necessary.
- Process knowledge is a collaborative process. The NanoFab is a multi-user facility; process knowledge is to be made available to other users upon request.
- Training on a tool by a technologist is only provided to users who subscribe to service options 11, 12 or 13.