



FABLAB

there is no limit



OPERATIONS MODEL

IPRO 353

Fab Lab Membership Use

- Fab Lab members will require an MSI membership and will pay a quarterly maintenance fee
- A training and certification course will be required prior to Fab Lab use
- Members can reserve one of 5 stations within the Fab Lab
- Stations must be reserved prior to Fab Lab visit and will be available for \$30 per 60 min block
- Fabrication materials will be purchased through and provided by Fab Lab staff

Revenue	
Learning Labs	\$150.00
Cost per session	
Sessions per day	2
Days Utilized	3 (50% of capacity)
Weeks per year	52
Total from Labs	\$46,800.00
Reservations	
Cost per Station	\$30.00
Number of Stations	5
Operating Hours	4
Days Utilized	3 (50% of capacity)
Weeks per year	52
Total from Open Access Labs	\$93,600.00
Labs	\$46,800.00
Total Revenues	\$140,400.00
Costs	
Lab Manager	\$50,000.00 per year
Lab Assistants	\$54,080.00 per year (2 assistants)
Costs of Operation	\$5,895.26
Total Costs	\$109,975.26
Income	
Revenue	\$140,400.00
Costs	\$109,975.26
Total Income	\$30,424.74

Cost of electricity \$0.134/kWh

Machine	# of	Energy Usage Each (kW)	Hours Used	Kilowatt-hours	Cost	
Dell Optiplex 745	15	0.22	8	26.4	\$3.54	
Roland Vinyl Cutter	2	0.03	8	0.48	\$0.06	
Modela	2	0.04	8	0.64	\$0.09	
Epilog	2	2.55	8	40.8	\$5.47	
Prodigy Plus 3D printer	1	1.8	8	14.4	\$1.93	
Soldering Irons	2	0.06	8	0.96	\$0.13	
CNC	1	3	8	24	\$3.22	
Bandsaw	1	0.156	8	1.248	\$0.17	
Drill Press	1	0.72	8	5.76	\$0.77	
Dust Collector	1	1.49	8	11.92	\$1.60	
Lights	30	0.06	8	14.4	\$1.93	
					DAILY	\$18.90
					YEARLY	\$5,895.26

Fab Lab Exhibit

- A new Fab Lab exhibit will wrap around the exterior wall of the Fab Lab
- Purpose of the Exhibit will be to spread awareness of the Fab Lab while attracting user interest.
- Timeline featuring the Fab Lab history, growth of the Fab Lab network, and possibilities for future applications
- Interactive kiosks showing virtual representation of Fab Lab where users can learn about the capabilities of each machine and create a virtual invention.
- Graphics around the wall detailing each Fab Lab station and the science behind it.
- Viewing portholes into the Fab Lab so that patrons can see the lab in use.
- Membership brochures will be available at the end of the exhibit along with a reference to the Fab Lab website.

Learning Labs

- Fab Lab learning labs will be an engaging experience that educates students about the history of the Fab Lab, capabilities of each Fab Lab station, and the step by step completion of a project selected by the group educator.
- \$150 per 90 minute Learning Lab session
- Fab Lab learning lab sessions will accommodate groups of up to 20 students and will be conducted twice daily, 3-5 days a week
- Educators can choose from a variety of different projects, each with their own set of pre-visitation activities to be completed within the classroom.

