



The University of Western Ontario

University Machine Services
Thompson Engineering Building, Room 50
1151 Richmond St.
London, Ontario, Canada N6A 5B9
Phone: 519.661.4276
Fax: 519.661.3066
Web: <http://www.eng.uwo.ca/ums>
Email: ums@uwo.ca

May 1, 2021

University Machine Services Fee Schedule

**Effective from May 1, 2021 to April 30, 2022 Internal
to Engineering Charges Basic rate \$72.04/hr**

UWO Internal Engineering Contracts - Instructional and Operating – Research

UMS develops hourly charge-out rates from supporting historical data and the forecasting of revenues and expenses for the current fiscal year. The number of billable hours is divided by the total of all shop expenses with the intent of providing services internally at cost. Any surplus is used for operational and faculty improvements.

Charges and estimates are calculated hourly as follows including overhead and all support equipment not listed. The shop's hourly charge-out rates will be the following:

Technicians:

Manufacturing technicians including all conventional equipment:	\$72.04
Engineering and Project Management	\$82.85

Equipment: (run time cost per hour)

CNC 4 axis machining centers

Fadal 15 x 30	\$11.00
Haas VF5 24x52	\$20.50
Haas VF2 15x30	\$20.50

CNC Lathe

Standard Modern 17x50	\$10.50
Haas ST-15	\$20.50

Stratasys Fused Deposition Rapid Prototyping

Stratasys 400MC	\$20.00/Cubic inch
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EOS P110 and 396 SLS Printers	\$22.50/ Cubic inch
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Wire EDM

Agie-Charmilles 20P wire EDM System	\$30.00
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