



The University of Western Ontario

University Machine Services
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May 1, 2017

University Machine Services Fee Schedule

Effective from May 1, 2017 to April 30, 2018
Internal to Engineering Charges Basic rate \$62.00 per/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: \$62.00
Engineering and Project Management \$71.30

Equipment: (run time cost per hour)

CNC 4 axis machining centers
Fadal 15 x 30 \$11.00
Haas 20 x 50 \$16.50

CNC Lathe
Standard Modern 17x50 \$10.50

Stratasys Fused Deposition Rapid Prototyping
Stratasys 400MC \$40.00

Objet 30 Rapid Prototyping \$1.00/Gram

EOS P110 SLS Printer \$20.00/ Cubic inch

Wire EDM
Agie-Charmilles 20P wire EDM System \$30.00