



## The University of Western Ontario

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May 1, 2011

### **University Machine Services Fee Schedule**

**Effective from May 1, 2011 to April 30, 2012**  
**Engineering affiliated research rate \$59.00 per/hr**

#### **Engineering - Research - Instructional and Operating rate**

UMS develops hourly charge-out rates from supporting historical data and the extrapolation of forward revenues and expenses. The number of billable hours is divided by the total of all shop expenses with the intent of providing services to Engineering 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:	\$59.00
Engineering and Project Management:	\$64.90

#### **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
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##### *Stratasys Fused Deposition Rapid Prototyping*

Stratasys Vantage	\$30.00
Stratasys 400MC	\$40.00