

## College/Viterbi Graduate Student Machine Shop Recommended List of Safety Equipment and Tools

Faculty (PIs) will need to provide a portable tool box, tools and appropriate safety equipment for their graduate students/postdocs to use when working in the shop. Tool boxes should not be left in the shop as there is insufficient space.

Following is a basic list of safety equipment, precision, cutting, and hand tools that you would want to have in your portable tool box:

Plastic safety glasses or goggles  
Heavy duty dust mask

Vernier or dial calipers  
0-1" OD micrometer  
0-1" travel indicator  
6" scale  
Indicator base  
Parallel set  
Test Indicator  
Edge Finder

Drill index set  
A set of end mills  
Center drill  
Tap wrench (or a tap and die set)  
Spring loaded tap guide

Crescent wrench  
Small brass or lead mallet  
Set of hex wrenches

We also recommend faculty encourage their graduate students in experimental fields to invest in purchasing their own vernier or dial calipers (metal not plastic). It is a very handy tool to use when designing devices.

Please also see accompanying links to some advertisements for generic quality tools that should suffice for student use.

Rutland Tools is in the USC Purchasing system and their vin code is 1942.

If you have questions please contact Don Wiggins: (213) 740 6111/ [dwiggins@usc.edu](mailto:dwiggins@usc.edu) or Kan Lee: (213) 740 7410/[kanlee@usc.edu](mailto:kanlee@usc.edu)

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