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 devises.

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 or Kan Lee: (213) 740 7410/kanlee@usc.edu

Revised: 5-12-09