

**ADVANCED MACHINE TOOL TECHNOLOGY DEPARTMENT**  
***Basic Tool Kit***

**Machinist Tools-**

**Required Tools for freshman:**

1. 6 inch Digital or Dial Caliper.
2. 6 inch Machinist Scale
3. Allen Wrench Sets, Metric and SAE
4. 0-1 inch Standard Micrometer, .0001" resolution
5. Safety Glasses/Prescription safety glasses (if needed)

**Suggested Tools for Freshman and Seniors:**

1. 1-2 inch Standard Micrometer, .0001" resolution
2. Test Indicator (.0005" resolution) with Mounting Attachments, (Stem and Clamp).\*
3. Dial Indicator, 1 inch range, with Mounting Hardware for Attachment to a Magnetic Base.
4. Magnetic Base, (best purchased with a fine adjustment screw).
5. Basic Protractor
6. Combination Square Set.\*
7. Current edition of Machinery's Handbook

**Miscellaneous Tools-**

Edge Finder  
Pocket Scribe  
Dead Blow Hammer  
10 inch Adjustable Wrench\*  
Combination Wrench Set, 3/8 inch to 1 inch.\*  
Combination Slip Joint Pliers\*  
Ball Peen Hammer\*  
Assorted Screwdrivers\*

**Optional Tools-**

1. Tap Wrench
2. 0-6 inch Depth Micrometer
3. Eye Loupe 10x
4. Needle File Set
5. Honing Stones

**Note: Used tools in good condition are acceptable.**

**\* The purchase of these tools may be delayed until the senior year.**