



Manufacturing Technology

Tool List – Minimum Requirement (subject to changes)

Quantity	Description
1 pair	Safety Glasses with side shields OSHA approved, non-prescription
1	6" Scale (Steel Rule) in Fractions, 32nds 64ths, 50ths, and 100ths
1	Steel Protractor
4 total	High speed steel with 5% cobalt lathe bits 3/8" x 3/8" At least 2 for Fundamentals I
2	3/8" Brazed Turning Tool (Right Hand)
1 Each	1/4", 3/8", 1/2", 3/4" end mills (2 and/or 4 Flute)
1 Each	# 3 & #4 Center Drill
1	Drill bit set- up to 1/2"
1	6 or 8 inch caliper - digital or dial type (preferred)
1	Dial travel indicator (.001" graduation) - 1" minimum travel
1	Way Magnetic Base (Mighty Mag style)
1	Dial test indicator (.0005" graduation) with Quill Holder/attachment
1	Smooth cut file with handle
1	Thread center gauge - 60 degree standard
1	Outside Micrometer - 0-1" (Vernier Reading to 4th decimal place)
1	Outside Micrometer - 1-2" (Vernier Reading to 4th decimal place)
1	Outside Micrometer - 2-3" (Vernier Reading to 4th decimal place)
1	Depth Micrometer Set - 0-3"
1	Single End Edge finder
1	Small Brush/Dustpan
1	2 inch paint brush
1	Ball Peen Hammer
1	Dead Blow Hammer
1	Combination grit Sharpening Stone
1	Tap guide
1 set	#0 to 1/2 Inch, T Handle, Tap Wrench Set
1	6 inch pliers
1	Deburring Tool
1 set	Screwdrivers - Regular and Phillips
1	Scriber
1 set	Thread wires
1	Layout Fluid
1	Wrench, Adjustable – 10" or 12"
1	Wrench, Hex Key - 1/32" to 3/8"
1	Wrench, Hex Key Metric 2-8
1	Spray Bottle for coolant
1 Set	25 piece radius gauge set
1	Small Oil Can



1	Tool Box – Recommend Roller Cabinet with Lock (Maximum size 36"long x 24"wide x 50")
Optional – Not Required	
1	Combination Set
1 Set	Combination Wrenches
1	Tape measure
1 Set	adjustable parallels
1	Small Shop Vacuum
1	Hack Saw



Pine Technical & Community College

Student Tool Account Registration Process
Students must have a Valid Credit Card to use

- Step 1: Logon to www.mscdirect.com
- Step 2: Click Register button in upper right corner of homepage
- Step 3: Click “yes” in button that asks if you have an MSC account number
- Step 4: Enter your account number **5480518**, e-mail address and zip code **55063** and then click “Locate Account”.
- Step 5: Click Continue on next window to create new user
- Step 6: Complete next page with information requested and create username and password.(Password must contain 7 characters and 1 numeral) Click Continue.
- Step 7: You are now registered. Please keep a file with Username and Password.
- Step 8: Create a shipping address, by rolling over “My Account” button in upper right
- Step 9: Click on “Shipping Addresses”
- Step 10: Click on “ Add a New Address”
- Step 11: Enter Address information required. Click “Residential” in address box.
Check box in “Set As Default” option.

You are now a registered user of MSC Industrial Supply. You will receive discounts on products and Free Shipping

You will then need finalize your order and provide your credit card information to complete order.

If you have trouble registering or have questions please contact:
John Mikel at 612-244-9099 or mikelj@mscdirect.com for assistance