

# Industrial Instrumentation and Control

## Tools & Supplies List

**Effective:** Fall Semester, 2022

**Approximate Cost:** \$480.00

Fall Semester (1<sup>st</sup> year) Approximately \$75.00

Safety Glasses

Graph Composition Notebooks (2)

Scientific Calculator with trig functions. **\*NOTE: IPODS/Smart Phones with applications are NOT ACCEPTABLE.**

Spring Semester (1st year) the following tools will be required. Approximately \$135.00

*These tools will be used for 8-weeks during the last half of the spring term. You need not purchase if you can borrow them from a friend or relative for that timeframe. Depending on your internship employment and the duties associated with your internship in the fall of your second year, you may need these tools and possibly the tools in the \*optional tool list at that time. The internship is an additional 8-weeks.*

Heavy duty pocket knife (or Utility Knife)

Wire stripper

Lineman pliers (or Regular Pliers)

Diagonal cutter (Side Cutters)

Slip pliers (Channel lock pliers)

Needlenose pliers

12' tape measure

Electrical hammer

Screwdriver 1/4" flat blade

Screwdriver 3/8" flat blade

Screwdriver Philips (#2)

8" level

**\*OPTIONAL TOOLS. Approximately \$270.00.** The following list of tools **may** be required by the Internship Employer. The instructor will assist students after the internship employer is identified.

Digital volt meter

SAE wrenches

Metric wrenches

SAE socket set

Metric socket set

SAE allen wrench set

Crescent wrench

Pipe wrench

Tin snips

Metric allen wrench set

Leather gloves

Work boots

***Tools are subject to instructor and/or internship employer approval.***

NCC does not make personal loans for the purchase of personal tools/supplies.

NCC insurance does not cover personal tools/supplies.

**Financial Aid (i.e.) Stafford Loan, Pell Grant, etc. cannot** be used for tools/supplies purchases. Therefore, you must make arrangements to purchase your tools/supplies by some other method.

**Tool List Consultant(s):** Russ Gaalswyk

**2/22**