

Mechatronics Course

Optional Hardware and Software

The Mechatronics Course can be enrolled in without the purchase of any hardware or software. However, I do use throughout the course MatLab with the following 4 toolboxes: Simulink, Simscape, Control System, and Simulink Control Design. These can be purchased from The MathWorks. Approximate total cost is \$329. Tutorials illustrating their use are part of the course. In addition, I refer to hardware exercises throughout the course. These can all be done with the suggested equipment shown on the following slide. Approximate cost is \$447 with availability from many suppliers.

Mechatronics Equipment \$447



\$40



\$30



\$79

Components

- Resistors / Pots
- Capacitors
- Inductors
- Op-Amps
- MOSFET \$20
- Diodes
- LEDs
- Phototransistor
- H-Bridge



\$15



\$208

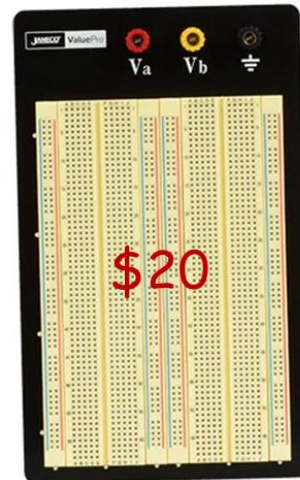
NI MyDAQ with LabVIEW



\$20



\$5



\$20



\$10