Below are supplied to students during their first lab, paid for with your lab fees. **You probably cannot buy the kits separately, so please be careful as you design and construct your circuits this semester.**

- *Digilent* Analog Discovery (DAD)
  - If you already have one (probably a DAD-2), you do not need to borrow one from ECE.
  - Students that borrow a DAD will get a DAD-3.
    - EE and CpE students will return during their last undergraduate semester in their BS degree program.
    - Other students will return before the end of the semester.
- DE10-lite (*TerasIC*)
  - All students will return at the end of the semester
- Breadboard (with at least two panels)
- Wire kit
- ~~Two~~ One 74HC00 (NAND) and ~~two~~ one 74HC02 (NOR) ICs
- One switch DIP (with at least 8 SPST switches) and a SIP resistor pack for the switches
- One LED DIP (with at least 8 LEDs) and a SIP resistor pack for the LEDs
- One SPDT switch
- Ten male to female jumper wires (for DE10-Lite to breadboard)

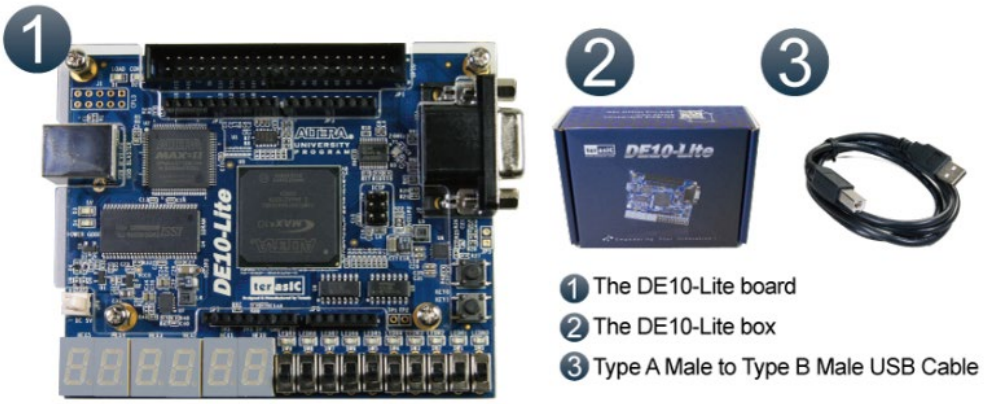
Your computer will need the necessary USB ports to connect to the DAD and DE10-lite. If it does not have the proper ports **than you will need to purchase a USB Port Expander or USB Converter cable(s)**.

- The DAD-3 requires a female USB C type port on the PC (with a female USB C type port on the DAD-3).
- The DAD-2 requires a female USB A type port on the PC (with a female USB B type port on the DAD-2).

Items provided with the DAD-3

Items provided with the DAD-2

- The DE10-lite requires a female USB A type port on the PC (with a female USB B type port on the DE10).



Items provided with the DE10-lite

- You **MUST** have and use your own laptop computer for this course with a dedicated camera and microphone. (A cell phone **cannot** be used as the camera.)