

CSCI241 Electronics Kit Orientation

- Read and correct anything mentioned in the Electronics Kit Errata document.
- Be aware of delicate wire connections to DC motor.
- Be aware of delicate wire connections to blue relay.
- Orientation of breadboards so power module can be used correctly. (+/-) rails in upper left corner.
- Functionality of breadboard power module.
- Breadboard row/col hole location specifications. All holes along top blue “-” rail are connected together. All holes along top red “+” rail are connected together. All holes along bottom blue “-” rail are connected together. All holes along bottom red “+” rail are connected together.
- All holes above the groove running through the middle of the board are independent of all holes below the groove.
- All five holes in a specific column are connected together.
- How to use the wire stripper and needle nose pliers.
- Bare wire needs to be about ¼ inch long to fit snugly and flush with the breadboard.
- 9-volt battery or 9-volt wall outlet adapter can be connected to the round barrel power connector of the Arduino or the small breadboard power module. Use the 9-volt batter sparingly, as it has limited current capacity and cannot be recharged.
- Test Arduino using the 9-volt battery and the 9-volt wall outlet adapter.