

List of material for the *Arduino For Beginners* course

Note: you can do the complete course without any hardware, just by using the free online tool [Tinkercad](#). You can also use this simulation tool to follow the course while you are waiting for the hardware components to arrive.

Where to buy an Arduino starter kit

If you want to get all the real hardware components to finish the course, I recommend you to buy an Arduino starter kit. You'll have to check different kits, as not everyone of them will contain all the components you'll need.

As a reference you can search for the Elegoo Arduino Starter Kit, [here is the kit on Amazon \(US website\)](#), with the Arduino Uno (unofficial board - "clone" - made by Elegoo). This kit costs less than 40 US dollars - in the US, and contains all you need for the course plus more.

Depending on your country, you can find the same kit from your local Amazon, other online stores (eBay, Aliexpress), or in more local marketplaces in your country. No need to buy this kit on Amazon, it's widely available. I'm not giving more links for components because it will wirely depend on availability and on different suppliers for different countries.

If you don't find the exact same kit, then find a similar kit which contains the following list of components. The brand doesn't matter as long as you have all the components.

If you already have most of the components, you can buy the rest separately (note that you'll often need to buy them in bulk - minimum 5-10 pieces).

List of components

- Arduino board (better to choose Arduino Uno, but Nano and Mega will also do).
- USB cable
- Breadboard (long one like in the kit)
- Set of male-male wires
- Set of resistors containing 220 Ohm and 10k Ohm (super standard values)
- 3 LEDs (color doesn't matter, but in the course I use red, yellow, green)
- Push button
- Potentiometer
- Ultrasonic sensor (reference:HC-SR04)
- LCD screen 16x2
- IR (InfraRed) receiver and IR remote controller
- Photoresistor