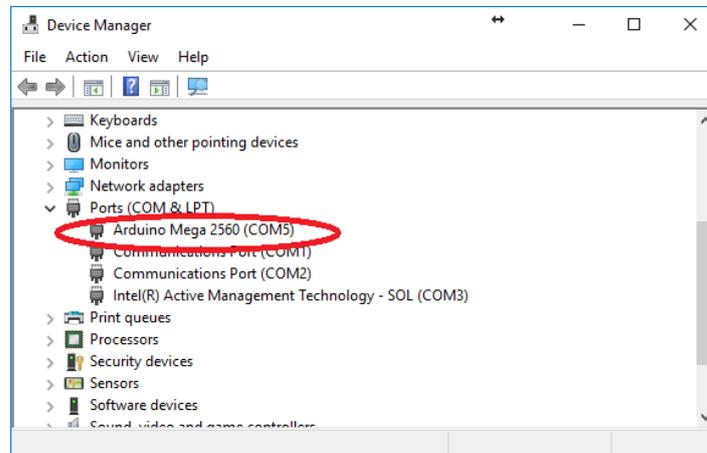




## Find COM port number

To work out which COM port the Arduino is connected to, open Device Manager. You may get a warning about administrator privileges that you can ignore. Scroll down to 'Ports (COM & LPT)'. There should be one item called 'Arduino Mega 2560 (COMX)'. See the example figure below.



## Programming

Download the file 'Downloader' from the Lab3 on the course website. Extract the files and open the folder.

Run the batch file 'console.bat' to open up a command prompt. To load the test program, run use the download command:

```
download COMX test.hex
```

COMX is the name of the port you found earlier. Eg: COM3 or COM16

If the download is successful and the LEDs are connected correctly, the LEDs should start flashing one by one.

To download a different hex file, replace 'test.hex' with the path to the other file.

## Testing the board

Download the "Board test procedure" from the Lab3 on the course website. Follow the wiring and testing instructions in the document.

**DO NOT remove the wires once you are done. You will use this wiring throughout the semester.**