

EQUIPMENT REQUIREMENTS FOR INCOMING ENGINEERING STUDENTS

Most engineering courses require the use and programming of calculators and/or modern computer tools that are used by professional engineers in the engineering industry. Therefore, students are required to provide for themselves the personal computing equipment that will support their coursework.

All entering freshmen and transfer students who declare an engineering major are required to provide for themselves the following equipment.

BY THE START OF THEIR **FIRST** SEMESTER AS A BAYLOR ENGINEERING STUDENT:

- 1) Texas Instruments **TI-89 calculator** (any version, e.g. Titanium)
 - No exceptions or equivalents.
 - Please label your calculator with your name and contact information.

- 2) **Personal laptop computer**
 - The laptop must be able to connect to Baylor's wireless ("Wi-Fi") internet service (called "Airbear").
 - The laptop must be capable of supporting *Microsoft Windows* and the **simultaneous** operation of the student-supplied software applications: *Microsoft Office*, *MATLAB*, *Mathcad*, and an internet browser (*Internet Explorer*, *Firefox*, *Chrome*, etc).
 - Students using *MacBook* laptops will be required to use the above programs within a *Windows* environment (either dual boot or virtual machine). Resolution of compatibility problems is solely the responsibility of the student. Unless the student already has a *MacBook* laptop, it is **strongly recommended** that the student acquire a *Windows*-based laptop.
 - See [Computer Recommendations](#) document for suggested specifications.
 - Please label your laptop with your name and contact information.

- 3) **Required Software**
 - **Microsoft Windows**
 - **Microsoft Office** (Word, Excel, PowerPoint) – Office365 is available at no cost to Baylor students. Information can be found on the ITS website ([here](#)).

- 4) **Optional Software**

These titles will be provided in the on-campus computer labs, but students may wish to purchase a copy for themselves.

 - SolidWorks Student Edition (www.solidworks.com)
 - LabVIEW Student Edition (www.labview.com)
 - MakerBot Print (<https://www.makerbot.com/print/>) – Free!

More on BACK ↗

BY THE START OF THEIR FIRST **SPRING** SEMESTER AS A BAYLOR ENGINEERING STUDENT:

Note: Some items for the Spring course (EGR 1302) may not be available at the Baylor Bookstore until Spring semester textbooks go on sale during the Fall semester.

1) Required software

- **MATLAB** – Must be for *Windows*. Baylor pays for a university-wide license that includes students. You can download it [here](#) (requires Bear ID and password).

2) Additional items

- **Mathcad** – This software has been used previously and is currently under review by the departments (for 2017-18). Students *may* be asked to purchase a Student Edition, but should **NOT** do so until instructed. More information will be given prior to the start of the Spring semester.
- Students may be asked to purchase some additional equipment for projects (e.g. an Arduino microcontroller).