

Study requirements for hardware and software

In the Bachelor's degree programmes in Biotechnology, Chemistry, Facility Management, Food Technology, and Natural Resource Sciences, learning materials are made available electronically prior to classes on Moodle. In our efforts to go paperless, we would like to encourage you to embrace and develop the skills that are needed to work digitally. You are, however, free to decide whether you prefer to work digitally or on paper.

Requirements

For your studies, you need a device that allows you to perform the following activities:



Hardware and operating systems:

The following devices and combinations are suitable for your studies:

Notebook/Mac or hybrid device with touchscreen



A **notebook** is the **minimum requirement** for your studies. **Macs** require a second partition with a Windows operating system. If you are buying a new device, we recommend a **hybrid device with a touchscreen and pen** so you can make notes and sketches by hand. A rotatable or removable keyboard offers additional flexibility.

Recommendations

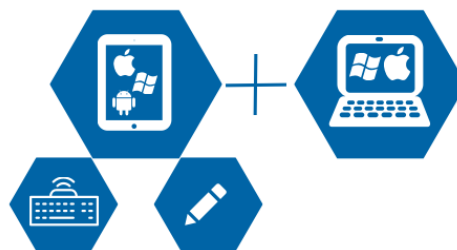
Notebook / Mac

- Windows 10 or Mac
- lowest possible weight
- sufficiently large screen (recommendation: min. 15 inch)
- min. 16GB memory
- min. 500 GB hard disk space
- min. 8h battery life
- quiet ventilation is preferred (noise emissions)
- integrated camera
- mouse

Hybrid device (additional)

- touchscreen
- stylus
- removable or rotatable keyboard

Tablet + Notebook



If you already own a device, the following combination could be an option: A lightweight **tablet** offers maximum flexibility and serves as a good paper substitute. The touchscreen allows you to make notes and sketches by hand, and innovative apps help you learn. The standard **notebook** is then used for writing papers, IT lessons, electronic exams and working with computer-intensive software.

Tablet

- iOS, Windows or Android operating system
- lowest possible weight
- min. 8 GB memory (for Windows)
- min. 32 GB hard disk space, with Windows min. 128 GB
- min. 8h battery life
- Integrated camera
- touch screen and stylus
- removable keyboard (optional)

Notebook / Mac

- Windows 10 or Mac
- min. 16GB memory
- min. 500 GB hard disk space
- sufficiently large screen (recommendation: min. 15 inch)

Important information

- Please pay special attention to the battery life, as not all classrooms have power sockets available for each person.
- For sustainability reasons, it is advisable to buy only one device with as many functions as possible (hybrid device).
- On Android and iOS devices, it is not possible to print documents on the ZHAW network printers.
- The different Android systems mean that the university cannot guarantee access via remote access (VPN).
- [Office 365 Pro Plus](#) is provided free of charge by the university for the duration of your studies.
- Recommendations and tips for working paperlessly can be found at <http://blog.zhaw.ch/papierlosesstudium> (in German)