

Advies laptop voor opleidingen Automotive, Elektrotechniek, Mechatronica, Werktuigbouwkunde en Toegepaste Wiskunde

Laptop Computer specifications:

Hardware:

- Processor:
Intel Core i7 or Intel Core i5 (Preferable with 4 cores).
- Display
A high resolution display (1920 x 1080 pixels)
- Harddisk
at least SSD 500 GB.
- Internal Memory (RAM)
Enough RAM for the operating system to work efficiently with the required applications (8 GB but 16 GB or more is preferable).
- Wifi:
Wireless internet 802.11g (or preferably 802.11n dual-band 2.4 GHz/5 GHz)
WPA-2 compatible.
- Other:
Webcam and headset.

Operating system and software

- Microsoft Windows 10 (64 Bit)
- Microsoft Office 2016 or Office 365.

Bovenstaande configuratie is voor de opleidingen Automotive*, Elektrotechniek, Mechatronica, Werktuigbouwkunde* en Toegepaste Wiskunde.

*) De opleidingen Automotive en Werktuigbouwkunde maken gebruik van het Siemens NX CAD pakket. Voor Siemens NX wordt een externe grafische kaart gebruikt waaraan speciale eisen worden gesteld. Siemens heeft een lijst met gecertificeerde videokaarten. Zie onderstaande tabel. De officieel gecertificeerde grafische kaarten zijn relatief duur. Het is mogelijk om een gaming grafische kaart te gebruiken. Goede ervaring met Nvidia gtx 1050 /1060 of MX serie of nieuwer. Bij andere keuze grafische kaart voor aanschaf advies inwinnen bij de studierichting.

Voor de opleiding Elektrotechniek voldoet een standaard grafische kaart omdat deze opleiding geen software toegepast wordt die speciale eisen aan de grafische kaart stelt.

Voor alle studenten:

Software en licenties beschikbaar gesteld door Fontys zijn alleen beschikbaar voor Microsoft Windows platform. Apple of Linux computers worden niet ondersteunt.

Supported Graphics Cards

These graphics cards are supported only when used in supported systems configured by the OEM and using the recommended driver.

[illegible]

= The latest AMD workstation driver (15.301.x.x and newer) only supports 'W' series workstation graphics.
For legacy hardware use older series drivers

NOTES:

1. Only complete system - graphics combinations configured by the vendor are certified.
2. Intel 3000/4000 are Solid Edge only
3. Intel P4600 is the first Intel graphics certified for NX (See caveats)
4. AMD A300/320 CPU/GPU chips are only supported by Solid Edge
5. Server based graphics are only certified when based on workstation graphics and utilize an existing certified driver
6. (*) The NVIDIA "M" (mobile) graphics are also used in the HP Z1, Z1 G2, and Z1 G3 workstations.
7. Intel P5000 is certified for Solid Edge only.
8. NVIDIA Tesla graphics only supported in GRID 2.0 Virtual Workstation environments.
9. AMD FirePro S7xxx requires guest OS Driver: 15.20.1041.1004, and currently only supports vSphere ESXi 6.0 hosting Win7 or Win8.1. Win10 is not supported.
10. AMD has rebranded FirePro to Radeon Pro. Radeon refers to consumer/gamer graphics. Radeon Pro is the only brand certified.
11. Radeon Pro graphics cards do not support Windows 8.1
12. Graphics vendors are trending to remove a "mobile" designation on some graphics since the same GPU and architecture is available in both desktop and mobile configurations.

A note about Intel graphics:

Intel nomenclature can be confusing with terms like HD, Professional, Iris, Iris Pro, etc. Intel's CPU integrated graphics will vary by execution units, bandwidth and OpenGL support, which is related to these designations. Search the Intel site for 'graphics' to get more detail.

The graphics supported by PL will begin with a 'P', such as P580, meaning 'professional' graphics. This means they have tested the hardware and driver against sophisticated ISV OpenGL applications such as NX, Solid Edge and others.