

## LAPTOP REQUIREMENT FOR T-LEVEL ENGINEERING & CONSTRUCTION

**The T-level specifications in Engineering & Construction require the use of specialised software such as CAD (2D and 3D Computer Aided Design). Although the software itself is free, PCs or laptops require an enhanced specification to enable them to run the software efficiently.**

Independent study, outside of timetabled lessons, will require the use of this software, and the College strongly recommends that students enrolling on these courses invest in a laptop which will facilitate the use of such software both in college and at home. The College has several teaching spaces with suites of high-spec PCs, however, students may need to access software in other learning spaces which will require a laptop.

*The College may be able to offer financial support to help pay for a laptop, please see this link for details:*

<https://www.cirencester.ac.uk/16-19/how-we-support-you-support-to-be-successful-learners/financial-support/>

Note that if a College bursary is used to buy a laptop, the laptop should be returned to the college when the student finishes the course. The student will have responsibility for security of the laptop and maintaining it in good condition. A charge, up to the current value of the laptop, will be made if the laptop is lost or damaged.

### RECOMMENDED SPECIFICATION

In general, specification of a laptop increases with price, so basically the more expensive a computer is, the better it will handle demanding software. Here are some guidelines which may help you in selecting an appropriate laptop:

<b>Processor/CPU</b> <b>Basic: 2.5–2.9 GHz processor / 8th Gen Intel Core i5</b> <b>Recommended: 3+ GHz processor / 9th Gen Intel Core i7</b>	<b>Memory/RAM</b> <b>Basic: 8GB</b> <b>Recommended: 16 GB</b>
<b>Storage</b> <b>Basic: 256GB SSD</b> <b>Recommended: 512GB SSD</b>	<b>Battery</b> <b>Battery</b> <b>Basic: Up to 3 hours</b> <b>Recommended: Up to 6 hours</b>
<b>Display Card/Graphics Card</b> <b>Basic: 1 GB GPU with 29 GB/s Bandwidth and DirectX 11 compliant</b> <b>Recommended: 4 GB GPU with 106 GB/s Bandwidth and DirectX 12 compliant</b>	<b>Screen Size</b> <b>Basic: 15.6"</b> <b>Recommended: 17"</b>
	<b>Display Resolution</b> <b>1920 x 1080</b>

*More Information, including examples of laptops ranging from approx. £600 to £1,000 which should meet the required specification. They are not recommendations and the College does not accept responsibility for any laptop which does not meet your expectations:*

