Notebook Specification Frequently Asked Questions
(**ABE students only**)

What is the recommended notebook for ABE Students?

Any **non** Mac notebook listed on the Specifications & Promotions page. If you are buying or using other brand/model, do ensure that its hardware specifications are at least comparable to that of the model(s) recommended for your course.

The system must have at least:

Course Code	Operation System	Windows 10 or later
DIPLOMA IN CIVIL ENGINEERING (DCE - S68) **DIPLOMA IN INTEGRATED EVENTS AND PROJECT MANAGEMENT** (DEPM - S50)	System RAM / Memory	Min 8 GB *(Recommended 16 GB)*
	Dedicated Graphic Card with Video Memory	Min 4 GB *(NVIDIA GeForce/ Radeon ATI)*
	HDD / Storage	Min SSD 500 GB
	Wireless Connectivity	802.11ac Wireless LAN
	Display Resolution	Full HD (1920 x 1080)

Course Code	Operation System	Windows 10 or later
DIPLOMA IN FACILITIES MANAGEMENT (DFM - S95)	System RAM / Memory	Min 8 GB and above
	Dedicated Graphic Card with Video Memory	Min 2 GB *(NVIDIA GeForce/ Radeon ATI)*
	HDD / Storage	Min SSD 250 GB
	Wireless Connectivity	802.11ac Wireless LAN
	Display Resolution	Full HD (1920 x 1080)

Course Code	Operation System	Windows 10 or later
DIPLOMA IN LANDSCAPE ARCHITECTURE (DLA - S94) **DIPLOMA IN ARCHITECTURE** (DARCH - S66)	System RAM / Memory	Min 16 GB *(Recommended 32 GB)*
	Dedicated Graphic Card with Video Memory	Min **4 GB** and above *(NVIDIA GeForce/ Radeon ATI)*
	HDD / Storage	Min SSD 500 GB
	Wireless Connectivity	802.11ac Wireless LAN
	Display Resolution	Full HD (1920 x 1080)

Course Code	Operation System	Windows 10 or later
DIPLOMA IN INTERIOR DESIGN (DID - S89)	System RAM / Memory	Min 16 GB *(Recommended 32 GB)*
	Dedicated Graphic Card with Video Memory	Min **6 GB** *and above* *(NVIDIA GeForce RTX)*
	HDD / Storage	Min SSD 500 GB
	Wireless Connectivity	802.11ac Wireless LAN
	Display Resolution	Full HD (1920 x 1080) Not recommended to be higher if screen size is **17 inch or less.**

Can I use/buy MacBook?

We **DO NOT recommend** MacBook. Some teaching software runs ONLY on Windows operating system. Should you decide to use MacBook, there will be **NO** IT support and you are to acquire your own Microsoft Windows Operating Systems license and VMware.

I own a notebook, can I use it for my course of study?

Yes, you may use it so long meet the minimum requirement. Should you decide to buy one later, you can still purchase it after the SP Notebook Roadshow.

What if I decide to purchase the notebook after the SP Notebook Roadshow?

You may purchase the notebook online via the vendor website indicated on the Notebook PC Corner (https://www.sp.edu.sg/sp/student-services/it-services/it-support/specifications-promotions). Refer to the Specifications & Promotions page for details.

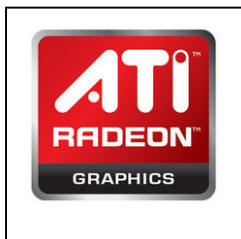### Can I purchase the notebook from any other vendors?

Yes, you may buy from any vendors or brands/models, so long meet the minimum hardware specification requirement.

Are the prices of the notebook cheapest at the Roadshow?

We do not determine the prices of the notebook. SP is just providing a service for general SP courses and convenience. All prices are determined by vendors. When you compare prices, it is important that you compare the specifications and requirement by the course.

Why required a high-end laptop with RAMs and Dedicated Graphic Card Laptop? (*Similar to Gaming Laptop with Direct-X support*)

As the course work will involve Computer Aided Drawing (CAD) with various 2D and 3D graphic based software, 3D rendering and rich Multimedia production, laptop with higher system memory, equipped with *Dedicated graphic card (***not shared** *with system memory*) will definitely help to enhance student's productivity.

Laptop dedicated graphic card with dedicated GPU RAM, usually label with brand "NVidia**" or "**ATi**".*

Example:

Model of the <u>Left</u> will takes long to render on a lower graphic modelling, due to use of Laptop built-in graphic processor unit (GPU) that shared with System RAMs or lower memory Dedicated Graphic Card.

Model on the <u>Right</u> will take even longer, or slower / system hang when using CAD software for rendering / 3D panning / viewing, it required higher demand from graphic processor and memory to generate out display in detail and effect, thus we recommended Laptop equipped with Dedicated Graphic Card with higher memory.

Left   *Right*

Students will required to use their laptops within the first week of school and use it on a daily basis. From basic attendance taking, receiving their assignments, to working on assignments, research, online learning and etc.

Where to obtain Course specific Software and installation guide?

https://spapps.sp.edu.sg/sites/faq/Resources/applicationpages/questions.aspx?Course%20Specific%20Software

Where to seek for Financial Assistance for Notebook PC?

Financial Assistance (sp.edu.sg)

Who should I refer to when I encounter problem or enquiry on SP Student Admin ID Account / Password / Wifi Network connectivity?

Technical support should be referred to our SPICE Service Desk.

Phone: +65-6772-1260

email: servicedeskmail@sp.edu.sg or contactus@sp.edu.sg