PEARSON BTEC | BRITISH ESPORTS

BTEC International Level 3 qualification in Esports

Physical Resources Requirements

PC build requirements

Each PC will be able to run all games at the lowest level.

Recommended settings are higher than the minimum because professionals and high-end esports players need a significantly higher frame rate to achieve peak performance, this will also help with the nature of this course. Peripherals are also not included, but any combo of keyboard/gaming mouse will be fine. Whilst the course could be run using the low spec components, using the mid-tier or upper-tier will give the students a better experience, especially with regard to recording, streaming and video editing. As such the low spec should only be used if there is no possibility of the faster machines.

Complete build ideas

These builds will run the games, perhaps not at 144 hz or may have performance issues whilst recording, but would be on the lower end of what would be recommended to anyone actually playing these games on.

PC specs

Spec	LOW	MID	UPPER MID
CPU	AMD Ryzen 5 1600 (14nm) 3.2 GHz 6-Core Processor or equivalent	AMD Ryzen 5 2600 3.4 GHz 6-Core Processor or equivalent	AMD Ryzen 5 3600 3.6 GHz 6-Core Processor or equivalent
RAM	8 GB	8 GB	16 GB
OS	Windows 10 64-bit	Windows 10 64-bit	Windows 10 64-bit
Video card	Gigabyte Radeon RX 570 4 GB Gaming 4G Video Card or equivalent	Gigabyte GeForce GTX 1660 Ti 6 GB OC Video Card or equivalent	PowerColor Radeon RX 5700 XT 8 GB Video Card or equivalent
Storage	SanDisk SSD PLUS 480 GB 2.5" Solid State Drive or equivalent	Western Digital Blue 500 GB M.2-2280 Solid State Drive or equivalent	PNY CS900 960 GB 2.5" Solid State Drive or equivalent

Minimum requirements to run the games

As per recommendations from the games' publishers.

Ideally, we would recommend that centres use PCs with specs higher than these to give students the best experience possible throughout the course.

League of Legends

System Requirements	MINIMUM	RECOMMENDED
CPU	Info	Info
CPU speed	3 GHz processor (supporting SSE2 instruction set or higher)	3 GHz Dual-Core processor
RAM	2 GB	8 GB
OS	Windows 7, Windows 8, or Windows 10 (Windows XP and Vista are no longer officially supported by Riot)	Windows 7, Windows 8.1, or Windows 10 with the latest service pack installed (Windows XP and Vista are no longer officially supported by Riot)
Video card	Shader version 2.0 capable video card	Nvidia GeForce 8800/AMD Radeon HD 5670 or equivalent video card (Dedicated GPU with 512MB or higher Video Memory (VRAM))
Pixel shader	2.0	4.0
Vertex shader	2.0	4.0
Free disk space	8 GB	12 GB
Dedicated video RAM	n/a	512 MB

Rocket League

System Requirements	MINIMUM	RECOMMENDED
CPU	Info	Info
CPU speed	2.4 GHz Dual core	2.5+ GHz Quad core
RAM	2 GB	4 GB
OS	Windows 7 or newer	Windows 7 or newer
Video card	Nvidia GTX 260 or ATI 4850	Nvidia GTX 660 or better, ATI 7950 or better
Pixel shader	4.0	5.0
Vertex shader	4.0	5.0
Free disk space	5 GB	5 GB
Dedicated video RAM	512 MB	2 GB

Overwatch

System Requirements	MINIMUM	RECOMMENDED
CPU	Intel Core i3 or AMD Phenom X3 8650	Intel Core i5 or AMD Phenom II X3, 2.8 GHz
CPU speed	Info	Info
RAM	4 GB	6 GB
OS	Windows Vista/7/ 8/10 64-bit (latest Service Pack)	Windows Vista/7/ 8/10 64-bit (latest Service Pack)
Video card	Nvidia GeForce GTX 460, ATI Radeon HD 4850, or Intel HD Graphics 4400	Nvidia GeForce GTX 660 or ATI Radeon HD 7950
Pixel shader	4.0	5.0
Vertex shader	4.0	5.0
Free disk space	30 GB	30 GB
Dedicated video RAM	768 MB	2 GB

Fortnite

System Requirements	MINIMUM	RECOMMENDED
CPU	Core i3 2.4 Ghz	Core i5 2.8 Ghz
CPU speed	Info	Info
RAM	4 GB	8 GB
OS	Windows 7/8/10 64-bit	Windows 7/8/10 64-bit
Video card	Intel HD 4000	Nvidia GTX 660 or AMD Radeon HD 7870 equivalent DX11 GPU
Pixel shader	3.0	5.0
Vertex shader	3.0	5.0
Dedicated video RAM	n/a	2 GB

For more information, contact your local Pearson representative or email us to register your interest at **btecinternational@pearson.com**

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