VIDEO GAME DEVELOPMENT
TECHNOLOGY REQUIREMENTS FORM

triOS COLLEGE
BUSINESS ♣ TECHNOLOGY ♣ HEALTHCARE

Minimum Technology Requirements – First Four Weeks

To help you prepare to be successful, we've outlined below the suggested minimum technology requirements and recommendations for the **start block (first 4 weeks)** of the Video Game Development program.

Technology	Minimum Requirements & Recommendations
Device	Desktop or Laptop
CPU	Intel Core i3 or greater or AMD Ryzen and 1.6Ghz Clock Speed or greater
Internal Storage	128GB – 256GB Hard Drive with 40GB free space
Memory	4GB Memory (8GB recommended)
Web Browser	Google Chrome, Mozilla Firefox, Microsoft Edge (Internet Explorer and Safari are not suitable browsers)
Operating System	Windows 10 Home or MacOS 10.13 or newer (Linux and ChromeOS are not suitable operating systems)
Screen Resolution	1920x1080 (1080p)
Accessories	Keyboard and Mouse; Webcam; and Microphone and Speakers (headset recommended)
Internet	5Mbps down/1Mbps up

Minimum Technology Requirements - Core Video Game Development Modules

Technology	Minimum Requirements & Recommendations
Device	Desktop or Laptop
CPU	Intel Core i7 or AMD Ryzen 7 (6+ cores, 3GHz+ clock speed)
GPU	Dedicated NVIDIA GTX 1000 Series+ or AMD Radeon graphics card that is DirectX 12 compatible GPU with at least 6GB of VRAM
Internal Storage	500GB – 1TB Solid State Drive with 150GB free space. • May need to procure additional external storage
Memory	16GB Memory
Web Browser	Google Chrome, Mozilla Firefox, Microsoft Edge (Internet Explorer and Safari are not suitable browsers)
Operating System	Windows 10 or Windows 11 Home
Screen Resolution	FHD Display - 1920x1080 (1080p)
Accessories	Keyboard and Mouse; Webcam; and Microphone and Speakers (headset recommended)
Internet	5Mbps down/1Mbps up

Optional - Top Performance Technology Recommendations - Core Video Game Development Modules

Technology	Minimum Requirements & Recommendations
Device	Desktop or Laptop
CPU	Intel Core i9 or AMD Ryzen 9 (8 cores, 4GHz+ clock speed)
GPU	Dedicated NVIDIA RTX 2000 or 3000 series or AMD Radeon 5000 or 6000 series graphics card that is DirectX 12 compatible with at least 8GB of VRAM
Internal Storage	2TB of total storage space with at least 500GB free on an M.2 NVMe drive
Memory	32GB+ Memory
Web Browser	Google Chrome, Mozilla Firefox, Microsoft Edge (Internet Explorer and Safari are not suitable browsers)
Operating System	Windows 10 or Windows 11 Home
Screen Resolution	WQHD Display – 2560 x 1440 (2k)
Accessories	Keyboard and Mouse; Webcam; and Microphone and Speakers (headset recommended)
Internet	50Mbps down/10Mbps up

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To ensure the best learning experience, we recommend high-speed broadband internet connection. It is the students' responsibility to ensure they have access to a reliable internet connection and functioning computer. A prolonged lack of internet connection or access to a computer may result in non-completion of course work or participation in remote classrooms. We encourage you to communicate with your Campus Director should you not have access to a reliable internet connection and/or functioning computer.

To help determine internet speed, students may use their PC's web browser to visit https://fast.com and it will automatically determine the internet speed within seconds. Generally, results **greater than 5Mbps indicate fast speed** internet connection; while results **less than 5Mbps indicate slow speed** internet connection.

Students require a modern computer in good working condition that is equipped to view multimedia presentations (video and audio) with speakers/headphones and a webcam and microphone (either integrated or USB) to participate in class using software like Teams or Adobe Connect. Although not ideal, students may also use a desktop computer without webcam/mic if they have a phone or tablet to participate in remote classrooms.

Our learning environment is built around Windows 10 laptops and desktop PCs, as it is the most common platform used by our employers. Windows laptop users will have more functionality away from the classroom environment (e.g., MS Office learning via SAM/MindTap) resulting in a better experience when connecting remotely. While an Apple Mac can be a suitable alternative, some learning will require students to connect to one of our Windows-based environments to complete particular courses remotely. ***Laptops and PCs running Linux or Chrome OS (Chromebooks) are not considered suitable for participating in our programs.***

We recommend that students have a personal dedicated laptop or desktop PC that is not shared with other users within their household. Having a personal dedicated laptop or desktop PC will ensure that students have the technology that is conducive to their learning at all times without disruption.