MGTA Virtual Academy Hardware

Summer 2020

Welcome to the Mason Game and Technology Academy! Thank you for considering our program to learn about exciting areas in computer game design and development. To get started with our courses, you will need a computer with the following requirements:

- **Processor:**
  - For Intel: An Intel Core i5 or above
  - For AMD: Ryzen, or AMD A8 or above
- **Memory:** 8GB Minimum (16GB Recommended)
- **Hard Drive:** 80GB of free Hard Drive Space
- **Operating System:** Microsoft Windows 10*
- A reliable internet connection will also be needed.
- (Optional) A second monitor to view both applications and the tutorial or instructor at the same time.

In addition to the above, some of our courses require slightly higher requirements to reliably run the required software. Please check below to see if your class is listed for additional requirements.

For the following courses, a dedicated video card is required (either Nvidia or AMD):

- 3D Game Design with Unreal
- Game Programming with Unity and C#
- Game Design with Unity
- Intro to 3D Modeling
- Machine Learning with AI and Python
- Mobile Game/Mixed Reality Development

For Mobile Game/Mixed Reality Development, you will also need a phone with the following requirements:

- Android: If it can play an AR game like Pokémon Go, it should be suitable
- Apple: iPhone 8 or newer

*Please note that other operating systems are supported **ONLY** for the following classes: Machine Learning with Python (Mac OS, Linux, or Windows), Intro to Python for Machine Learning and AI (Linux or Windows), Mobile Game/Mixed Reality Development (Mac OS or Windows)

†: For this class, you MUST have an Apple computer to use an iPhone.