## Hardware and Software Requirements for IT 150

In this class, some of your project work will be accomplished using virtualization. For this reason, the basic laptop requirements of LDS Business College may not be adequate. To ensure success in the projects and assignments, you should have, as a minimum, a laptop or desktop computer with:

# Hardware

1. An i5 or i7 processor with Virtualization support (check your BIOS).
2. A minimum of 8 GB of DDR3 or better RAM. 16 GB would even be better.
3. A minimum of 120 GB of free hard drive or SSD space for virtual machines. More will be required for any additional applications used in this class
4. A minimum of 1366x768 screen resolution to support split screen and Windows 10 support. 1920x1080 is highly recommended.
5. An integrated or attached webcam with supporting driver and applications.
6. An internet connection capable of supporting Skype or other collaborative tools in an adequate manner. All your labs and exams will be accessed over a web portal and a slow download speed may be frustrating.
7. Although this class can be successfully accomplished on a Mac, a PC is recommended. Newer Macs do have the memory and processing resources to support an additional virtual machine hosting Windows 10. This virtual machine will serve as your primary project platform. All TestOut material CAN BE accessed and completed natively on a Mac.

# Software

1. Office 365 (available through the school web portal)
2. Microsoft Visio (available through MS Imagine) or another network diagramming tool.
3. Wireshark (packet capture and analyzer)
4. Wi-Fi Detection Software such as NetSpot (https://www.netspotapp.com/wifi-detection.html)