



LMS

SYSTEM REQUIREMENTS

What Kind of Device Is Needed for Accessing the LMS?

Learning Management System Machine Needs

- Wi-Fi Capable
- Admin rights to connect to local Wifi
- Admin rights to add a program



Acceptable Operating Systems

While it is always recommended that one be using a machine that is fully up to date so as to mitigate any concerns of personal security, the following Machine Operating Systems are compatible with the use of the LMS for completion of all coursework.


- Windows 8, 8.1, or 10
- Mac OS X 10.7 Lion or Newer
- Chromebook
- iPad iOS 11 or Newer
- Android 6.0 or Newer





Acceptable Browser Combinations

All browsers are identified as needing to be kept up to date. These most often are set to automatically do this.

 If Windows: Edge, Firefox, or Chrome

 If Mac: Safari, Firefox, or Chrome

 If Chromebook: Up to date

 If iPad: Safari, Firefox, or Chrome

 If Android: Chrome



Important Notes:



Use of the **Outside Transformer Simulator** does require a **Windows Operating System** either on a Windows machine, or on a Mac using virtualization software like Parallels.



Use of the **Inside Transformer Simulator** requires a **Windows Operating System** either on a Windows machine, or on a Mac using virtualization software like Parallels.



The screen size of devices smaller than 7 inches have significantly reduced real estate to display content and may not be the best experience for the learner.

Windows and Apple Computer (PC/Laptop) Requirements:

Requirement	Windows	Apple MAC	Chromebook
Operating System	Minimum: Windows 8 Recommended: Win 10 (64-bit)	Minimum: OS X 10.10.x (Yosemite) Recommended: OS X 10.13.x (High Sierra)	Up-to-date
Windows Visualization Software <i>Required to run Simulators on MAC OS. Also requires an approved Windows OS to be installed.</i>	Not Applicable	Recommended: Parallels or Fusion or Virtual Box	Not Applicable
Processor Type	Minimum: i5 Quad Core Recommended: i7 Quad Core	Minimum: i5 Quad Core Recommended: i7 Quad Core	A low-end CPU like a Celeron or a Pentium will serve you just fine if all you do is browse with a tab or two open. Chromebooks based on Intel Core CPUs like the Core i3 and the Core i5 will allow for more ability to multitask.
Memory	Minimum: 8GB RAM Recommended: 16GB RAM or higher	Minimum: 8GB RAM Recommended: 16GB RAM or higher	Recommended: 4GB RAM or higher
Hard Drive	Minimum: 256 GB Recommended: 500 GB or higher (SSD Preferred)	Minimum: 256 GB Recommended: 500 GB or higher (SSD Preferred)	Recommended: 32 GB or higher (SSD Preferred)
Graphics Card	Minimum: 512 MB Video Memory Recommended: 1 GB Video Memory or higher	Minimum: 512 MB Video Memory Recommended: 1 GB Video Memory or higher	Minimum: 512 MB Video Memory Recommended: 1 GB Video Memory or higher
Screen Size/Resolution	Minimum: 11.6" Monitor (1920x1080) Recommended: 15.6" Monitor (1920x1080) or larger	Minimum: 13" Retina (2560x1600) Recommended: 15" Retina (2880x1800) or larger	Minimum: 11.6" Monitor (1920x1080) Recommended: 15.6" Monitor (1920x1080) or larger
WiFi <i>High-speed internet connection required.</i>	Minimum: 802.11 g/n Recommended: 802.11 ac	Minimum: 802.11 g/n Recommended: 802.11 ac	Minimum: 802.11 g/n Recommended: 802.11 ac
Optional Audio	Sound Card Speakers Headset with Mic	Sound Card Speakers Headset with Mic	Sound Card Speakers Headset with Mic
Other Optional Hardware	DVD/CD Combo Drive Camera	DVD/CD Combo Drive Camera	Camera

Summary Table of Compatibility

	Access System	Open All Online References	Interact with All LMS Quiz Components	Support use of the Online Assessments System	Inside Transformer 3D Simulator	Outside Transformer 3D Simulator	Electrical Theory Simulator
Windows	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ¹	<input checked="" type="checkbox"/> ²	<input checked="" type="checkbox"/>
MacBooks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ³	<input checked="" type="checkbox"/> ³	<input checked="" type="checkbox"/>
Chromebooks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iPads ⁴	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Android Tablets ⁴	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iPhones ⁵	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Android Phones ⁶	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. The Inside Transformer Simulator will require the ClickOnce browser addon
2. The Outside Transformer Simulator will require the ClickOnce browser addon and is touch capable
3. To access either Transformer Simulator with this machine a Windows OS will need installed using virtualization software like Parallels
4. The screen size of devices smaller than 7 inches have significantly reduced real estate to display content and may not be the best experience for the learner.
5. These devices are capable for accessing all coursework but will limit user interaction to the point of not being suggested as viable as the standalone training/learning device.

Questions/Support:

If you have specific questions about particular devices, or are having issues with a device listed above, please look for your specific issue in the [Support Knowledge Base](#), or if you're unable to find a solution, [submit a support ticket](#).