

NCCCO COMPUTER REQUIREMENTS

OPT & EOT Computer Requirements

The computer requirements for Online Proctored Testing (OPT) and Event Online Testing (EOT) are identical except for the bandwidth required. To enable multiple candidates to test simultaneously, EOT requires significantly more internet bandwidth than OPT*.

TYPE	MINIMUM	RECOMMENDED
Internet Connection	Wi-Fi connection	Wired connection
PC Users	Windows 10 <ul style="list-style-type: none">Windows 10 S mode is not supportedChromebooks are not supported	Windows 11 <ul style="list-style-type: none">Windows 10 S mode is not supportedChromebooks are not supported
Mac Users	macOS 10.13 (oldest maintained version)	macOS 10.15
Internet Browser	<ul style="list-style-type: none">Guardian browser (required): guardian.meazurelearning.comInstall before test day if possible	
CPU	<ul style="list-style-type: none">2-core CPULess than 85% CPU usage	<ul style="list-style-type: none">4-core CPULess than 50% CPU usage
Webcam/Microphone	<ul style="list-style-type: none">Front-facing640 × 480 resolutionMicrophone	<ul style="list-style-type: none">Front-facing1280 × 720 resolutionMicrophone
RAM	<ul style="list-style-type: none">4 GBLess than 90% RAM usage	<ul style="list-style-type: none">16 GBLess than 70% RAM usage

Connectivity Ports	1935, 843, 80, 443, 61613, UDP/TCP	1935, 843, 80, 443, 61613, UDP/TCP
Screen Size	15 in.	17 in. or larger (larger screens result in better candidate experience)
Screen Resolution	1366 × 768	1920 × 1080 and above
Accessories		<ul style="list-style-type: none"> • Touchscreen monitor • Stylus
Internet Download Speed	1 Mbps per device*	12 Mbps per device*
Internet Upload Speed	1 Mbps per device*	3 Mbps per device*

*For OPT, use the bandwidth specifications indicated per device.

*For EOT:

- When determining required internet speeds for EOT, count the maximum number of candidates (one device per candidate) and add an additional device for the Proctor.
- For example, to determine the recommended internet download speed for an EOT test administration with 10 candidates, figure 10 candidates + 1 proctor = 11 devices × 12 Mbps per device = 132 Mbps total download speed.
- Similarly, the recommended upload speed would be 11 devices × 3 Mbps = 33 Mbps total upload speed.
- Computers used for Proctors must also use the Guardian browser to launch EOT exam(s) properly.