The following technical specifications detail recommended hardware and software requirements to support **ACT QualityCore**®. For technical support call 1-866-764-7228 or email QualityCoreCustomerService@act.org .

Student Testing	VanGuard™ Secure Browser is required for student testing. Documentation including install information is available at https://qc.vantage.com/qualitycore/vanguard.jsp Chromebook is NOT supported for student testing.
Linux	Any distribution that supports Firefox 22.0, Chrome 28
PC Operating System	Microsoft Windows® XP (SP3), Vista, Windows 7 & 8
PC Web Browser	IE® 9.0 or Firefox® 20 or higher, Chrome 27 or currently supported versions
Mac Operating System	MAC OS X 10.6 or higher
Mac Web Browser	Firefox® 16.0, Safari 5.05, Chrome 27 or currently supported versions
Processor	Processor speed should meet or exceed the minimum required by the user's operating system and browser
Memory (RAM)	Available memory should meet or exceed the minimum required by the user's operating system and browser
Bandwidth	30 Kbps of dedicated bandwidth to the Internet and back for EACH workstation is recommended. Note: Many factors can impact the online test session. For consistent testing experience, ACT recommends network support such that no item takes longer than 2-3 seconds to load
Resolution	1024x768 resolution or better. Smaller screens sizes and nonstandard screen resolutions may require additional user scrolling or restrict the readability of text
Pop-up blocker	Browser set to allow all pop-ups. https://qc.vantage.com should be added to the pop-up blocker "allowed" list
Workstation cookies	Cookies should be set to "accept all cookies" for https://qc.vantage.com
Workstation cache	Cache should be set to the lowest possible setting that can be used for your specific computer or network
Network proxy, Firewall, Security, Content filters	Set to bypass the following: https://qc.vantage.com, 199.7.240.100, browserhawk.vantage.com,199.7.240.10, vanguard.vantage.com 199.7.240.109, 199.7.240.107, qcvantagecdn.s3.amazonaws.com TCP/Proxy servers and firewalls configured to allow unrestricted http on port 80 and https on port 443 to the Internet and also to permit response traffic
Network Proxy and Authentication Settings	The session time-out value should be set to be at least equal to the length of the test or a minimum of 60 minutes
JavaScript and Active Controls	Browsers must have JavaScript and Active Controls enabled