# T Level Technical Qualification in Media, Broadcast and Production

## Resource requirements

Providers must ensure that the student has access to the necessary materials, resources and workspaces. The following list is not exhaustive. Please refer to the qualification content for a more detailed indication of the required resources.

### Core component:

* software:
* word processing (for example, Microsoft (MS) Word, Google Docs)
* presentation (for example, MS PowerPoint, Google Slides)
* spreadsheet (for example, MS Excel, Google Sheets)
* project management (for example, MS Excel, MS Project)
* internet access
* access to a range of research resources (for example, online, books, journals)
* access to hardware with appropriate specifications (for example, PC, laptops, mobile devices)

### Creative Media Technician:

* modern, up-to-date PC or Mac with a specification that meets (or exceeds) the recommended requirements to run both the digital audio workstation (DAW) and editing software chosen
* DAW capable of multichannel mixing, effects processing and loudness units relative to full scale (LUFS) measurement (for example, Pro Tools, Cubase)
* monitor with good colour reproduction and at least 1920 x 1080 resolution
* audio interface capable of 48 kHz, 24-bit recording/playback (for example, Focusrite Scarlett series)
* monitoring speakers suitable for critical listening (for example, Yamaha HS series)
* non-linear video editing software capable of supporting metadata (for example, Adobe Premiere Pro, Final Cut Pro, Resolve)
* image editing software capable of processing in RAW format (for example, Adobe Photoshop)
* secure digital card/media readers compatible with storage media of devices used
* up-to-date virus protection software
* word processing and spreadsheet software (such as MS Office)
* data back-up solutions (for example, external hard drives, network storage, cloud file stores)
* data encryption software (for example, MS BitLocker)
* internet access
* printer
* digital cameras capable of (a) recording video and (b) taking stills in RAW format, with features including:
* the ability to change/remove lens
* independent control of white balance, shutter speed, aperture and ISO
* at least one compatible lens (preferably zoom and prime lens)
* the ability to record at multiple resolutions, frame rates and data rates
* suitable tripod for the weight of the camera (for example, Manfrotto 190X)
* storage/transport bags
* 3-point lighting kit:
* 3x adjustable lights (panel or point source) with stands
* modifiers such as diffusers and deflectors
* sandbags
* gaffer tape
* external audio recorder capable of taking input from XLR microphone (for example, Zoom H6)
* headphones suitable for critical listening (for example, Beyerdynamic DT 770)
* suitable cables in various lengths (for example, XLR, mini-jack extension, jack)
* range of microphones, incorporating:
* handheld
* lavalier
* shotgun
* dynamic
* condenser
* wireless for voice and location recording
* boom pole
* microphone windshields (for example Rycote)
* projector or large flat screen monitor
* HDMI cables compatible with camera
* access to portable appliance testing (PAT) facilities
* suitable room for audio listening (no echo)
* multiple 10m power extensions

### Events and Venues Technician:

* Access to appropriate spaces for working safely with hand and power tools and for staging performances or mock events where the technical equipment can be set up and utilised correctly
* software:
* word processing (for example, Microsoft (MS) Word, Google Docs)
* spreadsheet (for example, MS Excel, Google Sheets)
* project management (for example, MS Excel, MS Project)
* note complex CAD software is not a requirement, but any software used for technical plans needs to be capable of working to scale.
* internet access
* access to a range of research resources (for example, online, books, journals)
* access to hardware with appropriate specifications (for example, PC, laptops, mobile devices)
* technical equipment:
* public address (PA) system
* digital mixer with scene recall, equaliser, dynamics processing and effects sends
* analogue mixer
* analogue or digital multi-core XLR Loom/patch bay
* microphones of different types
* cables:
  + power cables
  + data cables
  + analogue cables
  + video cables
* power distribution (distro) with suitable protective devices – fuses, multiple circuit breaker, residual current device (RCD) and residual current circuit breakers with overcurrent protection (RCCBOP)
* lighting fixtures of different types
* digital lighting desk
* projector and screen (can be smart screens)
* staging
* installed rigging points
* lighting clamps and safety cables
* rigging accessories and hardware
* communication (comms) system
* electrical connectors
* DMX/XLR plug and socket connectors
* personal protective equipment (PPE)
* tools
* a range of hand and power tools appropriate to the role, this could include:
* adjustable spanner
* podger spanner
* screwdrivers (manual and powered)
* impact driver
* knives
* jigsaw
* hex key
* torque wrench
* soldering iron
* digital multi-meter with continuity tester
* electrical testing equipment
* audio cable tester

### Content Creation and Production:

* modern, up-to-date PC or Mac with a specification that meets (or exceeds) the recommended requirements to run the and editing software chosen
* monitor with at least 1920 x 1080 resolution
* non-linear video editing software capable of supporting metadata (for example, Adobe Premiere Pro, Final Cut Pro, Resolve)
* image editing software capable of processing in RAW format (for example, Adobe Photoshop)
* secure digital card/media readers compatible with storage media of devices used
* up-to-date virus protection software
* word processing and spreadsheet software (such as MS Office)
* data back-up solutions (for example, external hard drives, network storage, cloud file stores)
* data encryption software (for example, MS BitLocker)
* internet access
* printer
* digital camera(s) capable of recording video and taking stills in RAW format, with features including:
* zoom lens
* independent control of focus, shutter speed, aperture and ISO
* appropriate cables
* suitable tripod for the weight of the camera (for example, Manfrotto 190X)
* storage/transport bags
* 3-point lighting kit:
* 3x adjustable LED lights (panel or point source) with stands
* modifiers such as diffusers and deflectors
* sandbags
* gaffer tape
* external audio recorder capable of taking input from XLR microphone (for example, Zoom H6) and cables
* headphones
* lavalier microphone
* shotgun/ handheld microphone
* boom pole
* appropriate power extensions for studio setup

T-LEVELS’ is a registered trade mark of the Department for Education.

​‘T Level’ is a registered trade mark of the Institute for Apprenticeships and Technical Education.

​The T Level Technical Qualification is a qualification approved and managed by the Institute for Apprenticeships and Technical Education.

​‘Institute for Apprenticeships & Technical Education’ and logo are registered trade marks of the Institute for Apprenticeships and Technical Education.

​Pearson Education Limited is authorised by the Institute for Apprenticeships and Technical Education to develop and deliver this Technical Qualification.

Copyright in this document belongs to, and is used under licence from, the Institute for Apprenticeships and Technical Education, © 2024

​Pearson and logo are registered trademarks of Pearson.