

EQUIPMENT AND FACILITIES

The following equipment and facilities are available to participants on the scheme. If you have any specific queries regarding the facilities listed, please contact us for more information.

Booking arrangements and induction meetings will be necessary for most workshop areas.

NB: Access to facilities and equipment will need to be negotiated and planned based on your project needs and the needs of the department you're working in. Access cannot always be guaranteed.

Glass and Ceramics at National Glass Centre

- A range of glass and ceramics kilns including a large gas kiln
- Raku and kiln building area
- Ceramics hand building, throwing, mould making and glaze workshops
- Hot glass workshop with international-quality equipment including 2 custom furnaces and 4 gloryholes
- Glass mould making workshop
- fully equipped cold working studio (sandblasting, cutting, grinding and polishing)
- Architectural and stained glass studio
- Printing facility for glass, ceramics and other surfaces
- 7 Lampworking stations
- Waterjet Sweden waterjet cutting machine 3 x 2 m cutting area
- PCs with Lantec software
- 3D printers
- Delta wasp 3D clay printer
- EinScan 3D scanner
- Rhino 3D modelling software

FabLab at Hope Street Exchange

FabLab Sunderland offers a diverse range of specialist digital design and fabrication equipment. Based at the Hope Street Xchange in Sunderland city centre, it is a creative space where anyone can make (almost) anything. FabLab's equipment includes:

- Epilog laser cutter
- ShopBot CNC router
- The Roland Modela MDX-20 milling machine
- Roland Vinyl cutter GS-24
- Dimension 1200es Series 3D Printer – ABS plastic (large capacity 3D printer)
- Ultimaker 2 (small scale 3D printer)
- Ultimaker 2 Extended (medium scale 3D printer)

Fine Art at Priestman Building

- Studio Space will be available for AA2A artists willing to maintain a regular presence
- Printmaking – Screenprinting, Lithography, Etching
- Publication Lab with Riso Printing
- 3D printing
- digital photography,
- digital sewing and embroidery
- woodwork
- metalwork and casting
- support in the development of film and sound.
- Drawing Studio
- Priestman Gallery
- Shaun Project Space

Northern Centre of Photography

- DX and full-frame Nikon DSLRs
- Nikon Z6II and Z7II mirrorless cameras
- Phase One XF digital medium format camera systems with 100mp IQ3 backs for high-end digital studio work
- Film cameras ranging from 35mm Pentax; Mamiya; Hasselblad; and Fuji medium format
- Toyo and Sinar large format cameras
- We also stock: portable flash lighting kits, tripods, a huge range of lenses, VR headset, digital projectors, GoPro 360 cameras, LEAF digital camera backs, plus many more specialist items.
- Black and white dark room and processing room
- Colour space - A specialist lab for c-type colour chemical printing, featuring individual colour enlargement bays, colour print processing machine, colour film processor and daylight viewing area.
- Digital print studio and print finishing area - This space is equipped with 24" M1 iMacs; Epson A2 and A1 inkjet printers; Imacon film scanners; laser printer; a cutting table; and a large 4k display screen.
- Photography studios - We have two large pro studios equipped with Bowens digital flash lighting and a range of attachments, as well as high-end tethered shooting with 100mp Phase One XF medium format digital cameras and iMac Pros.
- Pixel lab- A large digital darkroom studio, fitted out with a suite of 24 inch M1 iMacs running Adobe Creative Cloud; flatbed film and print scanners; and large 4k display screen.
- Social / Learning zone and NCP gallery - An open-plan creative space for our Northern Centre of Photography community to meet, study and socialise. Work in progress or final outcomes can be presented on the magnetic gallery walls. You'll also have access to department kitchen facilities.

Animation and Games Art at the David Putnam Media Centre

- Motion capture suite
- Shadow Motion Capture system
- Green screen TV Studio
- Digital design suite with 24 Macs and Wacom Cintiqs
- Industry standard sound recording studios and editing facilities
- A dedicated stop motion room with 3 portable workstations, each with Dragon Stop Motion software
- Line-testing room with 6 rostrum cameras, a multiplane camera and light boxes for 2D work on paper, cut-out and other mixed media techniques
- Two 16mm projectors for direct animation
- Software includes: Toon Boom Harmony Premium, Autodesk Maya, Adobe Creative Suite including After Effects, Illustrator and Photoshop, Pixologic Z Brush, Blender and Unity.
- Our specialist technical staff, including qualified Adobe and Maya Certified Instructors, offer back-up and help you make the most of the software.
- You also have access to industry standard sound recording and editing facilities.

Design (Graphics and Illustration) at Priestman Building

- Digital suites: our digital design suites are equipped with Apple Macs, PCs, HTC VIVE VR and Wacom Cintiqs with Adobe Creative Suite Design Premium.
- Software: ZBrush, Unity 3D, Maya, Blender, Cinema 4D, Dreamweaver and Adobe Creative Suites. Our specialist technical staff, including qualified Adobe and Maya Certified Instructors, offer back-up and help in making the most of the software.
- Extensive pre-production, process, finishing equipment: from 3D design and printing, bookbinding, vinyl and large format printing, fabric printing, animation and VR, as well as laser-cutting and wood and metal workshops.
- Drawing Studio
- Publication Lab with Riso Printing
- Technical support: Along with our software specialist, we have a team of experienced technicians - specialists in their fields who are on hand to support you to realise your vision.

Fashion at Priestman Building

- Industrial sewing facilities
- digital embroidery facilities
- large scale digital fabric printer
- Open access Apple Macs and Wacom Cintiqs
- State-of-the-art digital 3D visualisation CAD software

Library Services - arts and design

The [University Library](#) is your gateway to information resources and services both on and off campus. We've got thousands of print books, e-books, exhibition catalogues and journals, giving you reliable and up-to-date academic and industry articles. A single search box enables searching across print and digital resources, and you'll have tailored digital resources and support in [Art and Design](#).

Access to many study places, including quiet and silent zones, PCs and Macs, group work hubs, online module reading lists and study skills support, all in our quality learning environments. You'll have full use of the library, both with extensive opening hours, and 'Live Chat' enables you to access library support and help from anywhere 24/7. We're much more than a library; the University Library team are on hand to guide you throughout your studies on and off campus.