

Technical Resources

This section is about what resources you can access.

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- [Who can access CCI technical resources?](#)
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What does open, project and no access mean?

There are 3 modes of access across the technical resources:

Open Access

You can walk in and access this during the opening hours inside of [UAL Term Time](#). You may need a safety induction. If you are unsure, please ask a technician.

Project Access

You can request access on a per person, per project basis, and subject to approval by the technicians who manage that resource, you may be able to use it.

To request access to these resources, please email cci.technical@arts.ac.uk and copy your course leader or supervisor, telling us:

- What is your project about?
- What facilities do you need access to?
- In what way is this facility relevant to your study?
- How much time do you think this might take?
- Do you know how to use the equipment, or will you need help?

No Access

You have no access to this technical resource.

What access do CCI students have to other UAL technical resources?

UAL has a wide range of technical resources built to serve the learning outcomes of the courses in each college, to ensure these resources are available to the students who need it those resources are restricted to certain courses.

Undergraduate and Postgraduate Students

Students on CCI undergraduate and postgraduate courses have [project or no access](#) to other UAL college resources.

Camberwell College of Arts

[CCI South London](#) students have [project access](#) to Camberwell technical resources.

[CCI Central London](#) students have [no access](#) to Camberwell technical resources.

Chelsea College of Arts

CCI students have [no access](#) to Chelsea technical resources.

Central Saint Martins

CCI students have [no access](#) to CSM technical resources.

London College of Communication

CCI students have [no access](#) to LCC technical resources.

London College of Fashion

CCI students have [no access](#) to LCF technical resources.

Wimbledon College of Arts

CCI students have [no access](#) to Wimbledon technical resources.

UAL Diploma students at CCI

Students studying on a UAL Diploma sandwich year from another UAL college continue to have access to the technical resources they had in the 2nd year of their Bachelor's degree.

Example

A BA (Hons) Photography student with access to the B&W dark room and the Kit Room at London College of Communication would continue to have the same level of access to those spaces while on their diploma as when they were studying in that 2nd year.

When you return to complete your 3rd year, you continue to have access to the CCI technical resources and whatever resources your local team offers for 3rd-year students.

PhD students at CCI

All CCI PhD students have [project access](#) to all UAL technical resources.

Who can access CCI technical resources?

The following grid gives a detailed visual breakdown of which CCI technical resources are available and to who:

Access to CCI Technical Resources

	Open Access The resource can be accessed when it is open.		Limited Open Access Open access only to specified area/users.		Scheduled Access This resource is only available during the scheduled time when supported by CCW technical.		Project Access The resource may be accessed by emailing cci.technical@arts.ac.uk with a rationale.		No Access This means this resource is no to this resource.	
	Creative Computing Institute		Camberwell, Chelsea and Wimbledon			University of the Arts London		Public		
	Current students and fellows	Final year Diploma students	Computational Arts students	Camberwell PG Design students	Camberwell students	PhD students	UG and PG students	Including alumni		
Room Booking	Project Access	No Access	No Access	No Access	No Access	No Access	No Access	No Access		
Technical Skills	Open Access	Open Access	Open Access	No Access	No Access	No Access	No Access	No Access		
Laptop Lockers	Open Access	Open Access	No Access	No Access	No Access	No Access	No Access	No Access		
Equipment Loan	Open Access	Open Access	Project Access	No Access	No Access	Project Access	No Access	No Access		
Kitchens	Open Access	Open Access	South London Only	No Access	No Access	No Access	No Access	No Access		
Peckham Road										
Electronics	Open Access	Open Access	Open Access	Project Access	Project Access	Project Access	No Access	No Access		
Textiles	Open Access	Open Access	Open Access	Open Access	Project Access	Project Access	No Access	No Access		
Laser Cutter	Open Access	No Access	No Access	Scheduled Access	No Access	No Access	No Access	No Access		
3D printing	Open Access	No Access	No Access	No Access	No Access	No Access	No Access	No Access		
Greencoat										
Dark Lab	Open Access	Open Access	Project Access	Project Access	Project Access	Project Access	No Access	No Access		
Robotics Lab	Open Access	Open Access	Project Access	Project Access	Project Access	Project Access	No Access	No Access		
Materials Lab	Open Access	No Access	No Access	No Access	No Access	No Access	No Access	No Access		
High Holborn										
AI Lab	Open Access	No Access	No Access	No Access	No Access	No Access	No Access	No Access		
Cyber Security Lab	MSc Computer Science Only	No Access	No Access	No Access	No Access	No Access	No Access	No Access		

CCI Students

Current students and fellows

All current CCI students have [open access](#) to all CCI resources.

Final year Diploma students

If you studied a UAL Diploma at CCI, you continue to have [open access](#) to most CCI resources.

The exceptions are Room Bookings, Laser Cutter, 3D Printing, and the Wood and Plastics workshop, as these resources are all available within your home college.

Camberwell College of Arts

Students studying any courses at Camberwell College of Arts (not including Chelsea and Wimbledon) can request [project access](#) to Electronics, Robotics, and Dark Lab.

Postgraduate Design School Students

Students studying Postgraduate Design School courses at Camberwell College of Arts can access the Laser Cutter during scheduled times agreed with their Camberwell technical.

Additionally, we provide [open access](#) to the Textiles equipment.

Computational Arts Students

Students studying either Computational Arts course at Camberwell have [open access](#) to the Technical Skills, Electronics and Textiles resources. You can also study in our South London Kitchen on Peckham Road and the Conservatory in Greencoat Building.

You also have [project access](#) to loan equipment and use the Dark Lab and Robotics Lab.

UAL PhD Students

PhD students studying courses outside CCI have [project access](#) to loan equipment and the Electronics and Textiles areas, as well as the Dark and Robotics Labs.

Staff

Generally speaking, staff access follows student access, however, we will consider requests for per [project access](#).

What kit can I borrow?

An extensive array of equipment is available in addition to [the fixed equipment listed here](#).

Please bear in mind that the way technical services operate is as a collaboration; we're not just a kit room; we expect you to come to us early in your project life cycle and work with our team to validate the need for the equipment.

If you have suggestions for new products we should get, please email cci.technical@arts.ac.uk, and we'll consider it.

You are responsible for looking after and returning the equipment before you finish your course. The equipment must be returned to the correct building. We use a colour code on the labels to help everyone remember which item goes in which building.

- Red background: Peckham Road
- Green background: Greencoat Building
- Yellow background: High Holborn
- Black background: Eagle Wharf
- White background: Temporary labels



[View the full catalogue](#) - This is only visible from UAL-WiFi on campus or via the Staff VPN.

Important:


While this equipment is available to all students to use, we don't usually loan single items over £100 for off-site use due to insurance issues.


Kit List

This list was updated on 02/05/2024.

- 1.5A 5VDC Plugtop Power Supply

- [10W Stereo Amplifier Kit w/o Speakers](#)
- 12V 2A 24W DC Power Supply
- [12V Linear Solenoid](#)
- [12V NeoPixel Strip of 21](#)
- 2 Relay breakout
- [2.0" 320x240 Color IPS TFT Display with microSD Card Breakout](#)
- 24VDC 1A 24W
- [28BYJ-48 - 5V Stepper Motor](#)
- 36W Volt Adjustable Multi Output
- [3pi+ 32U4 OLED Robot](#)
- 5V Power Adapter
- [6-12V R385 DC Diaphragm Pump](#)
- [64x32 RGB LED Matrix - 4mm pitch](#)
- [6V Air Valve](#)
- 6x Arcade buttons
- 9V Power Adapter
- [AC/DC Adapter 12V 2A](#)
- [AC/DC Adapter 9V 2.5A](#)
- [ADXL343 Accelerometer](#)
- AGPTEK Lavalier Microphone
- AGPTEK Media Player
- [ASUS ZenScreen Go MB16AHP](#)
- [AXA HR Traction Bike Dynamo](#)
- [Adafruit 2.8" TFT LCD Display](#)
- [Adafruit BNO055 Absolute Orientation Sensor](#)
- [Adafruit Bicolor LED Square Pixel Matrix with I2C Backpack](#)
- Adafruit DS3231 Precision RTC
- [Adafruit Data Logging Shield](#)
- Adafruit FLORA Wearable Electronics
- Adafruit Feather M0 Adalogger
- Adafruit Joystick Module
- [Adafruit MPR 121 Capacitive Touch Sensor](#)
- [Adafruit NeoPixel Ring](#)
- [Adafruit PCA9685 16-Channel Servo Driver](#)
- [Adafruit Software Defined Radio](#)
- [Adafruit Stereo FM Transmitter](#)
- [Adafruit Thumb Joystick](#)
- [Adafruit WINC1500 WiFi Shield for Arduino](#)

- [Adafruit nRF52840 Feather](#)
- [Adafruit white 7-segment display w/backpack \(HT16K33\)](#)
- [Adafruit white alpha display w/backpack \(HT16K33\)](#)
- Adept 5-DOF Robot arm kit
- [Air Pump and Vacuum DC Motor - 4.5 V and 2.5 LPM](#)
- [Altitude / Air Pressure Sensor MPL3115A](#)
- Analog DC Current Sensor Breakout - 60V 5A Max
- [Analog pH Sensor / Meter Kit](#)
- [Anker PowerConf S500](#)
- [Anker PowerCore 20100 20000mAh Battery Pack](#)
- [Anker PowerCore Essential](#)
- [Ape Labs W-APP wireless Transceiver](#)
- [Apple 85W MagSafe 2 Power Adapter](#)
- [Apple 85W MagSafe Power Adapter](#)
- Apple Lightning to 3.5 mm Headphone Jack Adapter
- [Arduino BLE Sense](#)
- [Arduino Joystick Module](#)
- [Arduino Leonardo](#)
- Arduino Leonardo Pack
- [Arduino MKR1000](#)
- [Arduino Mega](#)
- Arduino Mega Breakout Board
- [Arduino Micro](#)
- Arduino Pack
- [Arduino Uno](#)
- [Atomos HDR Ninja Inferno](#)
- [Axis P5534 PTZ Dome Network Camera](#)
- BBC Micro bit 
- [Bare Conductive Light Up Board](#)
- [Bare Conductive Touch Board](#)
- [Behringer MicroAMP HA400 - Compact 4 channel stereo headphone amp](#)
- Behringer U-Phoria UMC204HD
- [Behringer Xenyx 1002 mixer](#)
- Belkin USB-C Ethernet
- [BenQ TH671ST 3,000 lumen 1080p DLP Short Throw Projector](#)
- Big Easy (Stepper) Driver
- [Bit:Bot XL](#)

- Black and Decker Heat Gun
- Bluetooth USB Dongle
- [Brennenstuhl PM 231 Power Meter](#)
- CK Tools T3887 Ecotronic ESD Side Cutters
- CK Tools T3963 Cable Cutters 210mm
- Canon EOS M50 camera + 15-45mm lens
- [Carrying Bag for 3x Godox LED500C flood lights](#)
- [Clear Turbine Water Flow Sensor](#)
- [Coin Acceptor](#)
- Colour sensor 
- [Conductive Rubber Cord Stretch Sensor](#)
- [Contactless Smart Card Reader](#)
- D-Link DGS-105 5 Port Gigabit Switch
- [DFR Analog Sound Sensor](#)
- [DFR0794 Electromagnet 0.6KG](#)
- [DFR0796 Electromagnet 5KG](#)
- [DFROBOT Beetle](#)
- [DFRobot Heart Rate Sensor](#)
- [DFRobot LCD Keypad Shield](#)
- [DFRobot MP3 Player](#)
- [DFRobot Waterproof DS18B20 Digital Temperature Sensor](#)
- DHT11 Temperature-Humidity Sensor Module
- [DMX Dimmer Pack 4-ch](#)
- [DMX Relay Pack 4-ch](#)
- [DRV2605L Haptic Driver & Motor](#)
- [DS1302 REAL-TIME CLOCK MODULE](#)
- [Dell Wired Keyboard](#)
- [Displaytech Alphanumeric LCD](#)
- [Dynamixel AX-12A](#)
- [Dynamixel AX-12W](#)
- [EL Wire & AC Power Inverter](#)
- [ELO 10" Touchscreen 1002L](#)
- [ESP-EYE](#)
- ESP32
- [EXTECH EX330 Multimeter](#)
- [Ear-clip Heart Rate Sensor](#)
- [Einstar Shining 3D](#)

- [Electret Mic Amp](#)
- [Electric Heating Pad](#)
- [Eurolite LED Bar-6 QCL RGBW](#)
- [Eurolite LED SLS-7 QCL 7x10W Floor](#)
- Eurolite QuickDMX Wireless Bundle
- [FLIR Teledyne Blackfly Color camera](#)
- [FLIR Teledyne Firefly IR camera](#)
- [Fan-200 DMX Wind Machine](#)
- [Feetech FS90 Mini Servo](#)
- [Feetech FS90R Servo and Wheel](#)
- [Flame Sensor](#)
- [Fluke 414D Laser Measure](#)
- Focusrite Scarlett 4i4 3rd Gen
- [Focusrite Scarlett Solo USB Audio Interface](#)
- Force Sensor Squared
- Force sensor
- [GP2Y0D02YK0F Sharp Distance Sensor](#)
- GY-271 Compass Magnetometer Sensor
- Galleon LiPo 400mAh 3.7V Battery
- [Galvanic Skin Response Sensor](#)
- [Garmin LIDAR-Lite V3HP](#)
- [Genelec 8020D](#)
- Glue Gun
- [Grove - Temp&Humi Sensor](#)
- Grove - Water Atomization
- [Grove Barometer Sensor \(BMP280\)](#)
- [Grove Base Shield V2.0 for Arduino](#)
- Grove Dust Sensor
- [Grove EMG Detector](#)
- [Grove Electromagnet](#)
- [Grove Finger Print Scanner](#)
- [Grove Moisture Sensor](#)
- [Grove Multichannel Gas Sensor](#)
- [Grove Shield](#)
- [Grove Sound Sensor](#)
- [Grove Speech Recogniser](#)
- [Grove Water Atomisation](#)

- [HALJIA ISD1820 Audio Sound Voice Recording Playback Module](#)
- HC-05 Bluetooth Module
- [HT16K33 LED Backpack 1.2"](#)
- [HiTech HS-311 Standard Servo](#)
- [HyperPixel 2.1 Round](#)
- [HyperPixelXP](#)
- IMU 9DoF with Nano attached
- [IRF520 MOSFET Driver Module](#)
- [Inspection Camera](#)
- JSAUX DISPLAYPORT TO HDMI
- [Jabra Evolve 20](#)
- [Jen's Feedback Shield](#)
- [KEPO Miniature Speaker](#)
- [Kemo Bicycle USB Charger](#)
- [Kinect Azure](#)
- Kingston DataTraveler microDuo 3C 32GB
- Kingston DataTraveler microDuo 3C 64GB
- [Kitronik ZIP Stick - 5](#)
- [Korg nanoKEY2 \(USB MIDI Keyboard\)](#)
- [Korg nanoKONTROL2 \(USB MIDI controller\)](#)
- [Korg nanoPAD2 \(USB MIDI controller\)](#)
- [L298N Bi-directional Dual Motor Driver](#)
- [LAP GU10 Spike Light 7310X](#)
- LCD [1602](#)
- [LCD 1602 with 12C](#)
- [LCD 1602 with 12C 20x4](#)
- [LCD 3.2inch TFT Display](#)
- [LCD Display Backlight](#)
- [LCD Display Backlight \(Blue\)](#)
- [LV-EZx Series Maxbotix Ultrasonic Rangefinder Sensor 150-6000mm](#)
- Large Breadboard
- Large Rotary Encoder
- [Large push-pull solenoid](#)
- Laser Cutter Key
- [Leap Motion Hand Tracker](#)
- [Leap Motion Hand Tracker 2](#)
- [Lens for Raspberry Pi High Quality Camera](#)

- LiPo Cell Battery
- Linear Actuator [1112](#)
- [Logitech BRIO 4K Webcam](#)
- [Logitech C270 HD Webcam](#)
- [Logitech C920 PRO 1080p Webcam](#)
- [Logitech C930e 1080p Webcam](#)
- Logitech Mouse
- [Logitech Spotlight presentation remote](#)
- Logitech Streamcam
- Logitech Streamcam (infrared mod)
- Logitech wireless keyboard and trackpad
- Logitech wireless keyboard with trackpad
- [M5Stack Core2 Development Kit](#)
- M5Stack Fire Development Kit
- [M95 GSM / GPRS Shield for Arduino](#)
- MAKITA BRUSHLESS CORDLESS COMBI DRILL
- [MAX30101 - Heart Rate, Oximeter, Smoke Sensor](#)
- [MD 9930 Thermal camera](#)
- MECO ELEVERDE USB 3 HUB
- [MFA Geared Motor 100:1](#)
- [MFA Geared Motor 11:1](#)
- [MFA Geared Motor 148:1](#)
- [MFA Geared Motor 500:1](#)
- [MFA Geared Motor 810:1](#)
- [MFRC522 RFID Module](#)
- [MICRO METAL GEARMOTOR COM0800](#)
- [MICS6814 3-in-1 Gas Sensor Breakout \(CO, NO2, NH3\)](#)
- [MULTICOMP PRO MP001186](#)
- [Makey Makey](#)
- [Makita BL1830B 3.0Ah 18V Lithium Battery](#)
- [Makita DHP483 Combi Drill](#)
- [Makita DTD155 Impact Drive](#)
- Manfrotto 055 Tripod and 324RC2 Joystick Head
- [Manfrotto 290 light Tripod](#)
- [Martin Rush Par 1 RGBW](#)
- Micro HDMI to HDMI Adapter
- [Micro SD Card Breakout Board](#)
- [Micro SD Card Breakout Board \(5v\)](#)

- Microsoft Kinect v2 for Windows
- [Mini 8x8 LED](#)
- Mini Amplifier
- Mini Solenoid - COM2700
- MiniMad
- Motorola DS4208 Handheld Scanner
- Muse 2 - The Brain Headset
- [MyoWare 2.0 Arduino Shield](#)
- [MyoWare 2.0 Cables & Shield](#)
- [MyoWare 2.0 LED Shield](#)
- [MyoWare 2.0 Link Shield](#)
- [MyoWare 2.0 Muscle Sensor](#)
- [MyoWare 2.0 Power Shield](#)
- Nano Board ATmega328P 5V 16M Micro-Controller Board
- [Neewer Ring Light NW-LED010](#)
- [NeoMatrix 8x8](#)
- [NeoPixel Ring 12](#)
- [NeoPixel Ring 16](#)
- [NeoPixel Stick - 8](#)
- [NeoPixel Strip](#)
- [NeoPixel Strip of 20](#)
- [NeoPixel Strip of 24](#)
- [NeoPixel Strip of 30](#)
- Netgear GS108PP 8 Port Gigabit PoE+ Switch
- [NodeMCU ESP8266](#)
- [Nokia 5110 LCD Screen](#)
- [OLED Screen 1'30"](#)
- OSMO DJI Gimbal
- [OV7670 Arduino Camera](#)
- Omnifixo OF M4.1
- [Optical Rain Gauge RG-9 Rain Sensor](#)
- [Optoma ML1050ST Pico Projector](#)
- [PLS 180G Laser Level](#)
- PWM Fans
- [Parallax Feedback 360 Servo](#)
- [Particle Photon](#)
- [Playstation DualSense Charging Station](#)
- Power Pax 5V - USB Adapter

- [PulseSensor](#)
- RGB / Gesture Sensor APDS-9960
- RGB Light Sensor ISL29125
- RKamp4
- [Rain Drops Sensor](#)
- Raspberry Pi 4 2GB
- [Raspberry Pi 4 4GB](#)
- [Raspberry Pi 400](#)
- Raspberry Pi 5
- [Raspberry Pi Camera 2](#)
- [Raspberry Pi HQ camera](#)
- [Raspberry Pi Pico](#)
- Raspberry Pi Power Supply
- [Raspberry Pi Zero 2 W](#)
- [Raspberry pi 4 4GB](#)
- Reed Switch Sensor
- [Relay Sheild](#)
- Respeaker Microphone Array
- [Revolabs Single Mic](#)
- RoboPeak LIDAR Laser Scanner Dev Kit
- [Robotis DYNAMIXEL Starter Set](#)
- [Rode Lavalier Go](#)
- [Rode VideoMicro](#)
- Rode Wireless GO II Wireless Microphone System
- Rotary Encoder
- Rotary flange with motor
- SATECHI USB-C Adapter
- SHURE C122 REPLACEMENT CABLE
- [SOIL MOISTURE SENSOR & WATER LEVEL SENSOR MODULE](#)
- [Samsung Portable SSD T7 \(2TB\)](#)
- Samsung T5 SSD 500GB
- Sealey Crimping Tool
- [Securview Infrared IR illuminator \(120 deg beam angle\)](#)
- [Securview Infrared IR illuminator \(60 deg beam angle\)](#)
- [Sharp GP2Y0A710K0F IR distance sensor 100cm-550cm](#)
- Sharp IR distance sensor >150cm
- [Shure MX150 Subminiature Lavalier Microphone](#)
- Shure SM58 LC Microphone
- [Simple RF Link Kit](#)
- Small Rotary Encoder

- [SmartMatrix SmartLED Shield \(V4\) for Teensy 3](#)
- SmartShow Lighting DMX Controller
- [SoftPot Membrane Potentiometer](#)
- Soil Moisture Sensor
- [Sony DualSense PS5 controller](#)
- Sony Headphones MDR-V150
- [Sound Blaster X4 USB sound interface](#)
- [SoundCraft Notepad-12FX Analog Mixer](#)
- SparkFun IR Thermometer Evaluation Board - MLX90614
- [Sparkfun 12V Vacuum Pump](#)
- [Sparkfun MP3 Trigger](#)
- Sparkfun Mono Audio Amplifier Breakout Board
- [Sparkfun Sound Detector](#)
- [Sparkfun Tsunami](#)
- [Sparkfun WAV Trigger](#)
- [Sparkfun XBee Shield](#)
- [Spectra Industrial Motion & Position Sensors Flex Sensor 55.37mm Linear](#)
- Square FSR 38x38mm
- Stanley 4in1 screwdriver
- [Star TSP100 futurePrint](#)
- [StarTech 60W USB-C Mains Charger](#)
- Stepper Motor
- Stepper Motor with driver TB6600 Driver
- Stereo 3.7W Class D Audio Amplifier - MAX98306
- [SubZero SZ-miniCONTROL MIDI controller](#)
- [SubZero SZ-miniKEY MIDI Keyboard](#)
- [SubZero SZ-miniPAD MIDI controller](#)
- [Submersible 3V DC Water Pump](#)
- [TCA9548A I2C Multiplexer](#)
- TECKNET USB-A Ethernet
- [TECKNET USB-C Ethernet](#)
- Teensy
- [Temperature And Humidity Sensor DHT20](#)
- [The T.Bone EM700 Stereo Mic Set](#)
- [Thermal Printer](#)
- [Time-Of-Flight LiDAR Module](#)
- [Tower Pro Micro Servo 90g](#)
- [TruOpto 5m Addressable RGB LED Strip](#)

- [TruSens HC-SR501 PIR Motion Detector](#)
- [TruSens HC-SR505 Mini PIR Motion Sensor](#)
- [Trust Compact USB powered 6W speakers](#)
- UGREEN Micro HDMI to HDMI Adapter
- UGREEN SD Card Reader
- UNI USB-C SD Card adapter
- USB 2.0 A Male to Female Active Extension Lead, 5m Black
- USB 5V Power Supply
- USB A to Micro USB Cable - 1 meter black
- USB A to USB B Cable - 1 meter black
- USB DMX
- USB DVD Drive
- USB HDMI Capture card
- USB SD Card Reader
- USB Type A Female Breakout
- USB Type C Breakout Board
- USB to DMX interface (RS485 FTDI) [1112](#)
- [USB-C Ethernet adapter](#)
- USB-C Male to USB-C Male Cable
- USB-C Plug to USB-A Socket USB 3.0 Adaptor
- USB-C to HDMI Adapter
- USB-C to USB-A Adapter
- [Vive Tracker 3.0](#)
- [Wacom Intuos Pro S](#)
- [Water Pump 1100GPH](#)
- [Weather Meter Kit \(SEN-15901\)](#)
- WiFi Bluetooth Adapter
- Wired Controller USB Cable Gamepad
- World to UK Power Adapter
- [Xbox Wireless Controller](#)
- [Zoom H1n \(Stereo Audio Recorder\)](#)
- [Zoom UAC-8 Audio Converter](#)
- [nVidia Jetson Nano Developer Kit B01](#)
- [tobii eye tracker 5](#)