

## **Additional Course Costs**

### **Cardiff School of Art & Design**

#### **Undergraduate costs of study in CSAD**

##### **Materials**

CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability. Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense. Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'. CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.

In the main, no charges are made for the use of equipment, with the exception of some specific equipment such as Digital fabric printing, 3D printing and laser cutting. Charges for use of this specific CSAD equipment are set at the beginning of each term and published on Moodle.

##### **Cardiff FabLab**

Access to Cardiff FabLab is optional and is subject to charges for equipment use and materials

##### **Trips and visits**

Trips that are part of core learning will be paid for by the School. Additional optional trips may be arranged where the students will be asked to share the costs. The costs of study abroad, including exchanges, placements and projects are the responsibility of the individual student.

##### **Exhibitions and Shows**

There are some costs associated with producing your work for your final exhibition. These will vary depending on the type and scale of the work you choose to produce

<b>Programme</b>	<b>BA Artist Designer: Maker</b>
Equipment needed	Small pliers, vice, surform, steel rule, small hacksaw, rubber bucket and sponge, scalpels, stanley knife, basic wooden or steel modelling tools and clamps, tape measure, drawing materials.
Equipment recommended	Web based camera - either smartphone or laptop, or web cam on desktop.
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	BA Textiles
Equipment needed	<p>Dressmaking scissors (which should be kept for fabric only), embroidery scissors (fine pointed, curved blades), wooden embroidery hoop 20cm, disappearing marker pen/chalk pencil, tape measure, ruler, tapestry needles size 18 (large eye, rounded point), good quality rubber gloves long enough to protect hands and forearms, good quality cotton/canvas apron or Lab coat, at least one USB digital storage device, min. 8GB., masking tape/ Pritt Stick.</p> <p>A3 Sketchbook, Pritt Stick, Ruler, Eraser, Drawing Pencil Assorted Pack, Fine-liner Pen Assorted Pack such as Uni-ball Pin, Synthetic Paintbrush set such as Conda, Scissors, Pencil Sharpener</p>
Equipment recommended	<p>Laptop capable of running Adobe software Photoshop, Illustrator, InDesign – further advice on specification will be provided at the start of the course.</p> <p>Computer Mouse, Mouse Mat, Printer/Scanner, USB Memory Stick</p> <p>Domestic Sewing Machine. If you are considering purchasing a sewing machine, please wait until starting the Course to get advice from Technical Staff.</p> <p>Favorite materials such as paints, bushes, paper, pastels, tools</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	BA Ceramics
Equipment needed and equipment	<p><u>General equipment:</u> Large bucket, washing-up bowl, jumbo sponge, small sponge, set of small plastic lidded containers, ruler, set of 3 plastic mixing bowls, plastic measuring jug, paint scraper, plastic funnel, large wooden rolling pin, small and large decorators' paintbrushes, roll of plastic bin liners, old newspapers.</p> <p><u>Specialist equipment needed from a specialist pottery tools supplier:</u> Pottery knife; set of 6 boxwood modelling tools; metal modelling tool/riffler; clay wire; surform; large and small looped turning tool; blade/spade turning tool; wooden throwing rib; metal kidneys (smooth and serrated type); potters pin; small sponge on a stick.</p> <p><u>Relevant H&amp;S Equipment:</u> CSAD will source COSHH compliant equipment for students to purchase; this will include regulation respirator mask with Interchangeable filters (dust and fume filters) and a teralene apron.</p>
Equipment recommended	<p><u>General:</u> Small plywood boards (300mmx300mm approx., heat gun or hairdryer (electric only, not gas), wooden rolling guides (10mm thick approx.) cotton sheets x2 (600mmx900mm approx., small electronic kitchen scales.</p> <p>Desirable items for students to purchase from Ceramic/Pottery Tools supplier</p> <p>Small metal banding wheel, 100 mesh test sieve, stencil/lawn sieve brush</p> <p>Good quality digital camera (or smartphone)</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing. Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	BA Fine Art
Equipment needed	<p>As part of your Artists Tool Box you are likely to need: overalls or apron, rags for clearing-up, tape measure, metal rule, staple gun, scalpel, scissors, stanley knife, parcel tape, masking tape, claw hammer, pin hammer, pliers, tenon saw, a selection of artist brushes, painting palette and knives, 2" + 4" household brushes, sealable containers and jars for decanted materials, sketchbooks and notebooks.</p> <p>Good quality digital camera (or smartphone)</p>
Equipment recommended	<p>Laptop (Further advice on specification will be provided at the start of your course packs)</p> <p>Your own basic stationary, glass palette, disposable gloves, favourite materials such as inks, watercolours, oils, acrylics, specialist papers, brushes or craft tools</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	BA Photography
Equipment needed	<p>DSLR or equivalent quality camera with a hot shoe for flash photography (Recommendations on specification will be given at the start of the course for those who do not already own one. Prices start at around £250)</p>
Equipment recommended	<p>Laptop capable of running photo editing software such as Adobe® Photoshop®. Recommendations on specification will be given at the start of the course.</p> <p>Tripod, USB external Hard Drive or equivalent</p> <p>Adobe® Creative Cloud® software is provided in all computer suites on campus. - At the time writing this is also available to students free of charge to use at home</p> <p>SS storage devices – SD cards, (high speed) memory sticks or external USB HDD.</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense. Such items might include photographic paper for large scale or exhibition quality work.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for. There is a large format printing service available on campus which may incur printing costs.</p>

Programme	BA Graphic Communication
Equipment needed	<p>A laptop (Further advice on specification will be provided at the start of the course packs)</p> <p>Adobe Creative Cloud software is provided in all computer suites on campus. At the time writing this is also available to students free of charge to use at home</p> <p>Memory stick, drawing equipment: range of lead pencils, set of coloured pencils, pens, metal ruler, scissors, pritstick, sketchbooks, layout pads, scalpel blades and a cutting mat, eraser and pencil sharpener</p> <p>Good quality digital camera (or smartphone)</p>
Equipment recommended	A4 colour printer
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	BA Illustration
Equipment needed	<p>A range of pencils, drawing and writing pens; pencil sharpener; good quality paints including gouache water colour and acrylic; miscellaneous materials for collage; sketchbooks and notebooks; a good pair of scissors; a scalpel (Swann Morten with No.10 blades is ideal); a putty eraser; glue stick; masking tape; an A3 cutting mat and 30cm metal ruler.</p> <p>A portfolio case for carrying work to and from college and for submission purposes.</p>
Equipment recommended	<p>Laptop (Further advice on specification will be provided at the start of the course)</p> <p>Good quality digital camera (or smartphone)</p> <p>Tape measure</p> <p>Things that you like and are fascinating to make work with.</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	BA Product Design
Equipment needed	<p>Compass, Protractor, Scalpel &amp; replacement blades, Rubber, 150mm metal rule, 300mm metal rule, Rotring Multi-Scale Ruler Set Square, Mechanical pencil with replacement filament, Pencils, Biro, Work Pads (note books), Double sided tape, Masking tape, Selotape, Super glue, Ellipse templates, Circle templates, Flexible curves, Fine liners 0.1, 0.2, 0.3, 0.4, 0.5, Render marker pens sets (grey scale &amp; colours), Marker paper (A3 pad), Layout Pad, A3 folder (to carry your sketch books), Computer Mouse</p> <p>Flash drive for laser-cutter, 3-D printers and CNC. Basic compass.</p>
Equipment recommended	<p>Good quality digital (or smartphone)</p> <p>Tape measure</p> <p>A Microsoft Windows based laptop computer is recommended, as Windows is compatible with all our preferred software. (Advice on specification will be provided at the start of the course)</p> <p>500GB portable hard drive (for data backups)</p> <p>You may also wish to buy a large stand-alone monitor (e.g. 24 inch) when using the laptop as a desktop especially when working with 3D CAD.</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	BSc Product Design
Equipment needed	<p>Protractor, Scalpel &amp; replacement blades, Rubber, 150mm metal rule, 300mm metal rule, Rotring Multi-Scale Ruler Ruler, Set Square, Mechanical pencil with replacement filament, Pencils, Biro, Work Pads (note books), Double sided tape, Masking tape, Selotape, Super glue, Ellipse templates, Circle templates, Flexible curves, Fine liners 0.1, 0.2, 0.3, 0.4, 0.5, Render marker pens sets (grey scale &amp; colours), Marker paper (A3 pad), Layout Pad, A3 folder (to carry your sketch books), Computer Mouse</p> <p>Flash drive for laser-cutter, 3-D printers and CNC. Basic compass</p>
Equipment recommended	<p>Good digital quality camera (or smartphone)</p> <p>A Microsoft Windows based laptop computer is recommended, as Windows is compatible with all our preferred software. (Advice on specification will be provided at the start of the course)</p> <p>500GB portable hard drive (for data backups)</p> <p>You may also wish to buy a large stand-alone monitor (e.g. 24 inch) when using the laptop as a desktop especially when working with 3D CAD.</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	<b>BSc Architectural Design &amp; Technology</b>
Equipment needed	Architectural scale rule, some technical pencils - typically 0.5mm and 0.9mm, technical ink pens of the disposable type - typically 0.1, 0.35, 0.5mm, A4 sketchbooks, pencil eraser. Two USB pen drives for data storage and backup – USB3 drives of 16GB capacity (or greater) are recommended.
Equipment recommended	<p data-bbox="616 300 1120 331">Good quality digital camera (or smartphone)</p> <p data-bbox="616 384 2029 496">A Microsoft Windows based laptop computer is recommended. Apple computers such as MacBook's are not recommended as they are not compatible with our principle CAD software (Advice on specification will be provided at the start of the course).</p> <p data-bbox="616 549 1973 628">Some software may require purchase of licenses for use on personal devices/ laptops. At this time, the principle design software used in the course is available free of charge to students (Autodesk Revit, AutoCAD, Formit 360).</p> <p data-bbox="616 681 1599 713">Scientific calculator, A3 tracing paper pad, A4 graph pad, portfolio case/drawing tube.</p>
Likely spend on materials and equipment	<p data-bbox="616 794 1989 874">CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p data-bbox="616 927 1839 959">Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p data-bbox="616 1011 2033 1091">Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p data-bbox="616 1144 1962 1224">CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p data-bbox="616 1276 1783 1308">Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	BA Architecture
Equipment needed	<p>Architectural scale rule; technical drawing pen set (01. 0.3, 0.5 and 0.7- disposable types will suffice); mechanical pencil (0.5 or 0.7); Hard drawing pencils e.g. 4H; A4 sketchbook; roll of drafting/masking tape; 300mm metal rule; Scalpel and blades (e.g. Swann Morton 10A) or a snap-off craft knife; multi-purpose modelling glue; roll of 25mm double-sided tape; A3 cutting mat, 5m measuring tape. USB pen drive for data transfer and backup – fast USB3 drives of 16GB capacity (or greater) are recommended.</p>
Equipment recommended	<p>Good quality digital camera (or smartphone)</p> <p>A Laptop computer specified for graphics/ high performance; (Advice on specification will be provided at the start of your course). Essential course software is available for use in the University CAD computer suite. Some software is free of charge for use on student computers at the time of writing (Autodesk AutoCAD, subject to manufacturers' student pricing policy) however; some software may have an additional cost for use on student computers (e.g. Sketchup Pro).</p> <p>Scientific calculator, A3 tracing paper pad, A4 graph pad, portfolio case/drawing tube.</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	<b>BA (Hons) Interior Design</b>
Equipment needed	300mm triangular scale rule; 300 mm 45 degree set square; technical drawing pen set (01. 0.3, 0.5 and 0.7); mechanical pencil (0.5 or 0.7); A4 sketchbook; roll of drafting/masking tape; 300mm metal rule; Swann Morten Scalpel and 10A blades; multi-purpose modelling glue; roll of 25mm double-sided tape; A3 cutting mat, USB digital storage device (min. 8GB); 5m measuring tape.
Equipment recommended	<p>A Laptop computer specified for graphics/ high performance; (Advice on specification will be provided at the start of the course).</p> <p>Essential course software is free of charge at the time of writing (subject to manufacturers' student pricing policy) and available on Windows &amp; Mac OS however additional software may have a cost and some is available on Windows only.</p> <p>Good quality digital camera (or smartphone)</p> <p>Set of sketching pencils; set of coloured pencils (or markers / pastels / chalks or paints); A1 portfolio case or drawing tube.</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

<b>Programme</b>	<b>BA Animation</b>
Equipment needed	<p>A range of pencils, drawing and writing pens; pencil sharpener; good quality paints including gouache water colour and acrylic.</p> <p>Miscellaneous materials for collage; sketchbooks and notebooks; a good pair of scissors; a scalpel (Swann Morten with No.10 blades is ideal); a putty eraser; glue stick; masking tape; an A3 cutting mat and 30cm metal ruler.</p> <p>A portfolio case for carrying work to and from college and for submission purposes. Laptop, (Further advice on specification will be provided at the start of the course)</p> <p>Adobe Creative Cloud software is provided in all computer suites on campus. At the time writing this is also available to students free of charge to use at home.</p> <p>Small phone or tablet camera tripod.</p> <p>Good quality digital camera (or smartphone) 1TB Portable Hard Drive (Further advice on specification will be provided in your joining packs)</p>
Equipment recommended	<p>We will specify a recommended, affordable home animation studio set up for stop motion animation</p> <p>We have a limited number of bookable digital drawing tablets so an A4 graphics tablet linked to your laptop will be useful for home use</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>

Programme	<b>BA Fashion Design</b>
Equipment List (needed Week 1)	Students need to be fully aware that when undertaking a fashion design degree, a certain investment is necessary in appropriate personal equipment.
Fashion Designers Tool Kit	Recommendations on both essential and desirable personal equipment will be issued in your joining pack but you should expect to budget between £100 to £150
Fashion Materials	*Please note, students will incur additional costs calico for garment sampling (toile's) and fabrics & materials relevant to each garment design project set to the individual modules.
Equipment recommended	<p>Good quality digital camera (or smartphone)</p> <p>A laptop computer. (Advice on specification will be provided at the start of the course)</p>
Likely spend on materials and equipment	<p>CSAD provides a variety of basic materials. These enable students to develop their competence in a range of skills and demonstrate their technical ability.</p> <p>Materials needed in bulk, or those that are specialised, expensive or unusual are at the student's expense.</p> <p>Advice will be given about how 'bulk' is defined, which materials are deemed to be 'expensive', and examples given of what is viewed to be 'unusual'.</p> <p>CSAD students often elect to spend on materials they prefer to work with, including sketchbooks and pens, as well as specialist equipment of their own choosing.</p> <p>Other costs such as printing/copying and the purchase of textbooks will also need to be accounted for.</p>