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TECHNOLOGY

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**BRUNEL UNIVERSITY**

**SHOREDITCH COLLEGE**

at Runnymede

Brunel University

Shoreditch College

at Runnymede

DESIGN  
TECHNOLOGY

**Brunel:**

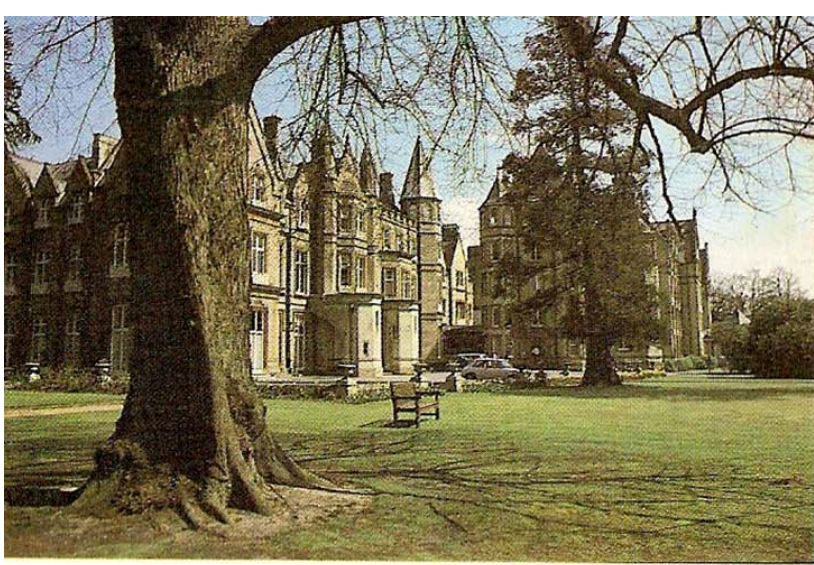
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*Shoreditch  
College*

## **Shoreditch College of Education will merge with Brunel University in August 1980**

This booklet for students gives information about one result of the merger, a four-year undergraduate course starting in October 1980 for the training of teachers to honours degree level in Design Technology

For further information write to:

The Academic Registrar, Brunel University, Uxbridge, Middlesex UB8 3PH

Telephone Uxbridge 37188

*Brunel  
University*



By using a series of questions and answers we hope you will be able to find and absorb the information you want both quickly and easily.

**What will the merger mean for the course?**

Shoreditch College was founded in 1907 to train teachers in Handicraft. Over the years the College has produced large numbers of teachers in this subject and established an outstanding reputation in the field of Creative Design in such areas as jewellery and ceramics, silversmithing, furniture design and graphic communication. A large proportion of the new course will be based at Englefield Green, Egham, Surrey on an attractive site overlooking the Thames near Runnymede.

Brunel University is a modern technological university on a large campus near Uxbridge in Middlesex. The University specialises in science, engineering, mathematics and social sciences. All undergraduate courses at Brunel are of the thin sandwich type which means that all students spend part of their course in industry or commerce gaining practical experience of the work that they eventually hope to do.

Collaboration between the two institutions will provide the opportunity not only to enhance further the established reputation of the College but also utilise the technological expertise of the University. Thus the traditional craft skills developed by Shoreditch will still form a fundamental part of the course but there will also be new emphasis on design work in a variety of fields including electronics. Ample computing facilities and other modern aids to design will be available.

**Why teach . . . ?**

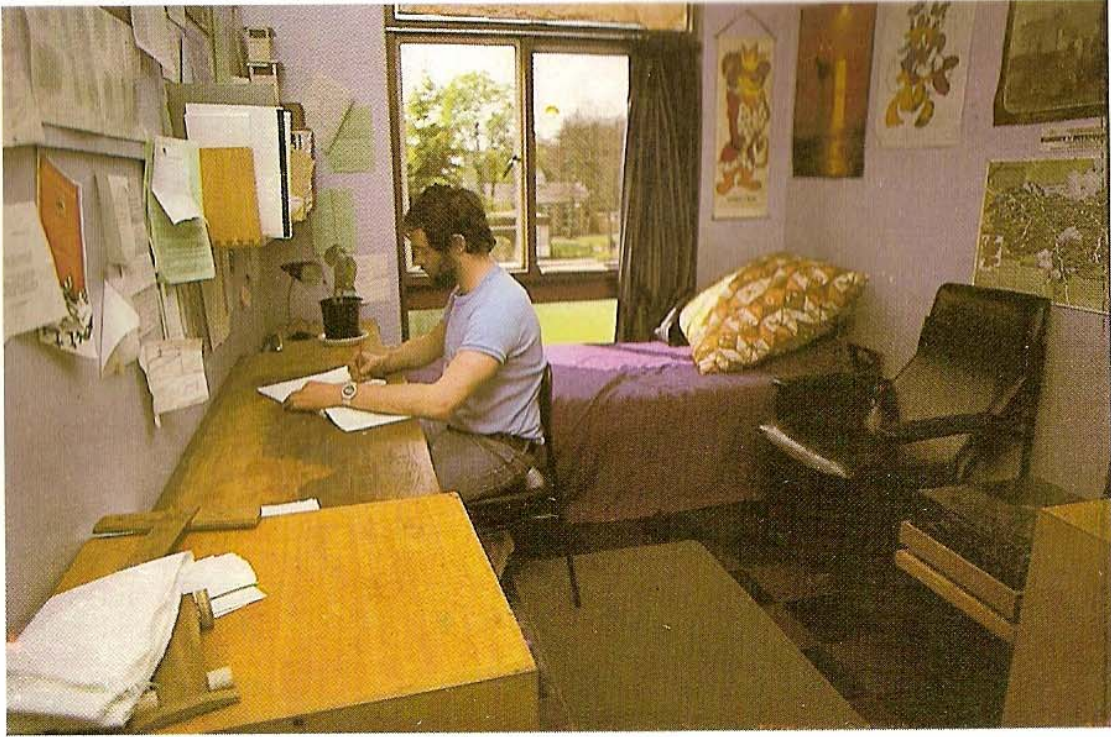
Because teaching is an important and satisfying job. Because the work is interesting and produces a feeling of achievement.

**. . . Design Technology?**

Because designing and making things is such an enjoyable activity. Because other subjects in school do not offer this opportunity. Because design, invention and technology are so important to this country. Because children like the subject. Because there is a desperate shortage of Design Technology teachers throughout the country and promotion prospects are excellent. It is nice to be wanted!

**What is Design and Technology?**

Design and Technology ranges from engineering and materials science at one extreme to creative artistic subjects, such as silversmithing and jewellery-making at the other. In a school the work of a Design and Technology Department overlaps the work of both the Science and Art Departments. The subject was originally limited to craft, wood and metal work but now includes work in a much wider range of materials, including plastics and ceramics. The emphasis is on solving problems, designing and making, and although traditional craft skills are not ignored, they have become the tools of the subject rather than its purpose.



**Yes, but what examinations will I be preparing classes for?**

The various Examining Boards offer a wide range of subjects both at CSE and GCE level and the name of a particular subject may vary from Board to Board but you may assume that examinations can be classified into the following groups. There is, of course, a certain amount of overlap.

TECHNICAL DRAWING

CRAFT COURSES, E.G. WOODWORK, METALWORK

DESIGN AND TECHNOLOGY

ENGINEERING WORKSHOP THEORY AND PRACTICE

ENGINEERING SCIENCE

**Will I have to teach all aspects of Design and Technology?**

No—the subject area is too great. The subjects which you will actually teach will depend to some extent upon your own interests and the facilities of the school. Also you will almost certainly be a member of a team of teachers forming a Department. Each teacher will be expected to make a contribution to the work of the Department as a whole but there is nearly always an opportunity for a teacher to specialise in his own field of interest.

**Does the new course allow for this?**

Yes. There will be a core course including such subjects as mathematics, science, materials, graphics, workshop practice, safety, teaching methods and a study of the theory and practice of education.

There will also be an options system which will allow students to choose either a more technological programme or a more craft related programme. The former will cover topics such as electronics, fluid flow, mechanisms, structures and metallurgy, while the latter will cover topics such as jewellery, silversmithing, wood and metal work and further graphics.

The actual choice will depend to some extent upon your A-level qualifications but mainly upon your personal interests which may change after the first year at university.

**What about teaching practice?**

All courses which offer 'qualified teacher' status, which is a sort of licence to teach, must contain an adequate period of teaching practice in schools. This is, of course, absolutely vital in learning how to become a teacher.

In the Brunel Design Technology course the teaching practice periods are likely to occupy one day per week for a term in year two, half the spring term of year three and half of the autumn term of year four.

Both the University and Shoreditch College have established excellent contacts with local schools and every attempt will be made to ensure that you are placed in a school which takes trouble to make your teaching practice periods enjoyable and useful.

The Education Liaison Centre at the University has been established to foster links with local teachers which it does through an elaborate programme of in-service training, so there will be plenty of opportunity to meet teachers during the four year course.

**Do I have to teach after taking this course?**

Not necessarily—as a result of successfully completing this course you will be qualified to teach and the career prospects are excellent. However, if you decide at some stage during the course that teaching is not for you, then there are other possibilities.





For example, students who have followed the more technological programme may decide to enter industry. Alternatively, students who have developed craft skills to a high level during the course may also choose to find work outside teaching which fully utilises these skills. The periods of industrial training will help you to make up your mind on this point.

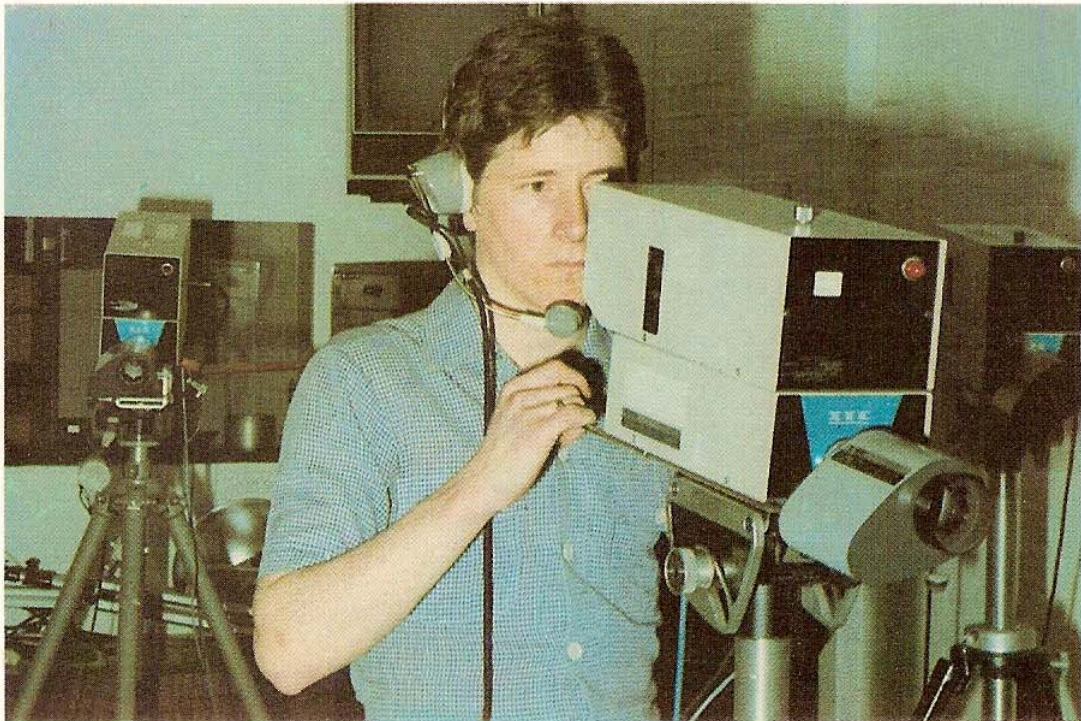
**Industrial training?**

Yes—Another interesting point about the course which makes it rather special. You will spend the summer vacation of the first year and the whole of the summer term and part of the summer vacation of the second year doing paid work in industry, work that is relevant to your course. The idea is to give teachers in training some idea of what work in industry is really like. Schools have come in for a certain amount of criticism in recent years for not giving their pupils much idea of what the world of work is really like. This part of the course should help bridge the gap between school and industry.

**What qualifications will I need to apply for a place on the course?**

You will have to have GCE A-level passes in two acceptable subjects, plus O-level passes in three other subjects, including English Language and Mathematics (if not offered at A-level). The combination of A-levels offered will be important and they will depend on the options you wish to follow. Three possibilities are included as examples:

1. Design Technology or other craft/design subject, plus an 'Arts' subject would be suitable for the craft orientated options.
2. Design Technology or other craft/design subject, plus Maths or Science would be appropriate for the technologically related programme.





3. A-level Technical Drawing together with a craft/design subject such as Metalwork or Woodwork. If you are studying these A-levels you are encouraged to apply as a number of places is being reserved for applicants with these qualifications.

An Ordinary National Certificate or Certificate of the Technician Education Council at a high standard may be accepted as alternative to A-level qualifications.

The course entry will be approximately 80 students.

**Will there be an interview?**

Yes. Candidates will normally be invited for interview and they will be asked to bring along examples of their work in the design field. Interviews are on a relaxed and friendly basis but candidates will naturally be expected to comment on the practical and creative aspects of their work. We assume that if you have the interest and aptitude for a Design Technology course, you will wish to talk about it. We also expect you to ask questions about Brunel so that you can be sure in your own mind that you will like both the course and the University.

**How do I apply?**

Through the Universities' Central Council on Admissions (UCCA). The University code is **BRUNL 14** and the course code is **7370 DesTech**. The UCCA Handbook and the University Prospectus contain full information on the application procedure.

