

# Bridging Program

*For a career in Design  
and Technology Teaching*



## FACULTY OF EDUCATION

### TIMETABLE (as in 2007)

#### 1st Semester

Tuesday	Wednesday
9am - 12 noon	9am - 12 noon
EST127 Design and Technology 2 Form Follows Function A (core unit)	EST117 Design and Technology 1 Principles of Design (core unit)
1pm - 4pm	12.30pm - 3.30pm
EST216 Design and Technology 4 Wood, Metal and Hard Materials Design	EST213 Design and Technology 3 CAD/Graphics
OR	OR
EST113 Applied Food Studies	EST203 Textiles

#### 2nd Semester

Tuesday	Wednesday
9am - 12 noon	9am - 12 noon
EST210 Design and Technology 5 Form Follows Function B (core unit)	EST214 HumanNutrition
	OR
	EST226 Design and Technology 7 Wood, Metal and Hard Materials Design
1pm - 4pm	12.30pm - 3.30pm
EST221 Design and Technology 8 Visual Communication/ Graphics (core unit)	EST312 CAD/Graphics
	OR
	EST230 Textile Design

#### Orientation

An orientation session will be held prior to the commencement of semester 1, to provide you with an opportunity to meet lecturers, view facilities and discuss the program.

#### Applications

You can obtain an Application for Admission form at the website: [www.utas.edu.au/apply](http://www.utas.edu.au/apply)  
The form can be completed and submitted electronically, or downloaded and printed for completion by hand and posted to the UTAS Admissions Office.

#### Further Information

For more information regarding the Bridging Program, the application and enrolment procedure or HECS please contact the Faculty of Education.

#### Contact

Faculty of Education  
University of Tasmania  
Locked Bag 1307, Launceston TAS 7250  
Phone: (03) 6324 3265 or FREECALL 1800 061 512  
Fax: (03) 6324 3048  
Email: [Secretary@educ.utas.edu.au](mailto:Secretary@educ.utas.edu.au)  
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#### Studies in:

- Food Studies
- Textiles and Fashion
- Computer Aided Design
- Multi-media
- Design in Wood, Metal and Plastics

## Make a difference



CRICOS Provider Code 00586B





## A CAREER IN DESIGN AND TECHNOLOGY TEACHING

The one-year Bridging Program is available to prospective students who hold a TAFE diploma, certificate or apprenticeship. The Bridging Program provides a foundational Design and Technology study year prior to enrolment in the two year Bachelor of Teaching degree. The total program is three years in duration.

The Bridging Program is offered in Launceston. We have organised the program so that classes may be taken over a two-day block. This is an advantage for students living in centres such as Hobart and the North-West coast who have to travel to Launceston to undertake the study.

The development of design skills and knowledge is the focus of the Bridging Program. The ability to understand the design process, together with a broad knowledge of visual design elements and influences, both past and present, is a focus of the course. This is essential to the delivery of innovative Design and Technology programs at classroom level.

Students are required to complete eight units during the year. Four units are undertaken in each of the two semesters. In each semester, two are compulsory core units and two are electives.

In addition to class time, students are required to spend up to four hours per subject each week completing projects and assignments at University or at home.

The Bridging Program will introduce you to:

- the history of design and technology;
- the contemporary design process;
- the principles of design;
- designing and making to a brief;
- materials technologies;
- and the craft of writing, analysis and evaluation.

The course code is E3AT

## SEMESTER ONE UNITS:

### EST117 Design and Technology 1 Principles of Design

A compulsory core unit. Students will be introduced to the fundamental principles of design including the attributes of colour, colour harmonies and colour usage in product and interior design.

### EST127 Design and Technology 2 Form Follows Function A

A compulsory core unit. A brief survey of key moments in the history of design and technology. This contextual study will be used to set the scene for short written assignments. Drawing and academic writing skills will also be introduced in this unit.

### EST213 Design and Technology 3 CAD/Graphics

An elective unit. Examines the nature of design and technology practice and the way in which it surrounds us through everyday objects. Students will develop the sketching, design drawing, modelling, CAD drawing and presentation skills that are imperative to the design process.

### EST216 Design and Technology 4 Wood, Metal and Hard Material Design

An elective unit. The contemporary design process in wood, metal and other hard materials will be explored. As such students will respond to a number of design briefs that involve the conceptualisation, manufacture and evaluation of prototypes.

### EST113 Applied Food Studies

An elective unit. In this unit students will be introduced to the physical properties of food, its preparation and presentation. Included in this unit will be the application of the principles of hygiene and safety. An appreciation of the social and environmental issues surrounding the purchase and production of food is also addressed.

### EST203 Textiles

An elective unit. Students will be introduced to a range of textile techniques including fabric printing and dyeing, natural dyeing, hand and machine stitch, and basic garment construction. The unit is suitable for students who have no prior experience in textiles.

## SEMESTER TWO UNITS:

### EST210 Design and Technology 5 Form Follows Function B

A compulsory core unit. This unit continues the study of the history of product design, architecture and technology with the emphasis placed on late modernism, postmodernism and non-Western design. Drawing and academic writing skills will continue to be developed.

### EST221 Design and Technology 8 Visual Communication/Graphics

A compulsory core unit. Students will be introduced to image manipulation programs such as PhotoShop and the use of digital photography. Project work will include the design of posters and other teaching aids.

### EST312 Design and Technology 6 CAD/ Graphics

An elective unit. Examines in greater detail the art of presenting and composing design drawings, PowerPoint presentations, Photoshop techniques and the art of rendering in Vectorworks. An introduction in CAD/CAM and product design will form a significant part of the study unit.

### EST226 Design and Technology 7 Wood, Metal and Hard Material Design

An elective unit. This unit will extend the range of materials and processes introduced in Design and Technology 4. Design briefs will provide further opportunities for students to design, manufacture and evaluate prototypes.

### EST214 Human Nutrition

An elective unit. Through class projects students will investigate human nutrition, diet and the social and physiological role of food. Specific strategies such as computerised nutrition analysis, nutrition empowerment for the individual and catering for groups will be examined.

### EST230 Textile Design

An elective unit. In this unit techniques of felt making, costume design and construction, and indigo dyeing will be presented. Work practices and environments in contemporary textile design will be examined including: the studio designer/artist; the small-scale designer/manufacturer; the industrial designer; and the free-lance designer linked to worldwide manufacturers through e-media.