

Combined Degrees in Teaching



FACULTY OF EDUCATION

Teachers make a difference

*“Teach them
well and they
will make waves
around the world”*



- Science
- Computing
- Information Systems
- Music
- Health Science

UNIVERSITY OF TASMANIA

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INTRODUCTION

Several new Combined Degree options are available for students wishing to complete a teaching qualification in four years in specialisations of particular need. These are:

- Bachelor of Science/Bachelor of Teaching
- Bachelor of Computing/Bachelor of Teaching
- Bachelor of Music/Bachelor of Teaching
- Bachelor of Information Systems/Bachelor of Teaching
- Bachelor of Health Science/Bachelor of Teaching (2006)

The BTeach component prepares beginning teachers in all the appropriate major areas of professional competence. These competencies include an understanding of, and ability to practice teaching as an active, interactive process involving the mutual construction of ideas, understandings, sensibilities and skills rather than the mere transmission of information; an understanding of the content, conceptual ordering and methods of inquiry of relevant subject areas; of how students learn and develop with individual differences; of the relationship between content knowledge and the process of teaching and the ability to plan and manage the teaching and learning process in an effective, inclusive and engaging manner; of alternative teaching practices in particular contexts with particular kinds of content; and of students, their development, the contexts that they live and learn in, including how teaching and learning outcomes are embedded in, and structured by, a variety of broad cultural and social processes. The program enables beginning teachers to communicate, interact and work with students of diverse abilities, interests and backgrounds and to engage them actively in the learning process in an inclusive and non-discriminatory manner.

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Bachelor of Teaching

BACHELOR OF COMPUTING AND BACHELOR OF TEACHING(S3X)

Responsible faculty or school

Faculty of Education

Faculty of Science, Engineering and Technology (principal)

Campus(es) Offered

Hobart

Launceston - Year 1 only

Course Duration

Minimum 4 yrs, Maximum 10 yrs.

Course Contact (faculty or school)

Science: (03) 6226 2125

Education: (03) 6226 2546

Introduction

The Faculty of Science, Engineering & Technology and the Faculty of Education offer this four year full-time (or part-time equivalent) course in Hobart. The first year is also available in Launceston.

Admission & Prerequisites

Minimum university entrance requirements, however first year science units in chemistry, mathematics and physics have specific TCE prerequisites. Students are encouraged to study some of the following subjects: *MT843 Mathematics Stage 3; *MT841 Mathematics Stage 2; *MT730 Mathematics Applied; *IF862 Computer Science; *CH856 Chemistry; *PH866 Physics; *BY826 Biology; *SC786 Applied Science-Physical Sciences.

Students who do not hold the necessary prerequisites for chemistry, mathematics or physics will be admitted to these units following successful completion of the relevant chemistry (KRA001), mathematics (KMA003) or physics (KYA004) bridging course conducted between November and February.

Subject prerequisites apply within the degree.

Course Objectives

The BComp-BTeach aims to qualify students for employment as secondary teachers in the information technology, mathematics or science areas.

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The computing component of the BComp-BTeach aims to:

- provide students with opportunities to acquire knowledge, attitudes and skills in a range of computational, mathematical, life and physical sciences;
- introduce students to scientific method through a range of disciplines;
- provide graduates with advanced knowledge in the computing discipline; and
- meet the needs of industry, business and government agencies.

Course Structure

To qualify for the Bachelor of Computing and Bachelor of Teaching, students must successfully complete 400% from units in the BComp, BSc and BTeach schedules. 212.5% is required for the BComp, BSc component and 187.5% for the BTeach component. The BComp component must include two teaching subject areas from information technology, mathematics and science. Information technology is a compulsory teaching subject area for the BComp component and comprises 137.5% of computing units. The second teaching area must be completed from mathematics or science and will comprise two 25% first year core and a 25% second year core. The disciplines available for the science teaching subject area are chemistry, physics and the life sciences (microbiology/ immunology, plant science and zoology) and are defined according to Schedule B of the BSc. Not more than 25% of terminating passes may be counted towards the BComp component.

The BTeach component comprises 187.5% of compulsory units.

¹ These represent one 12.5% unit each taken over two years.

^[a] Must include two teaching subjects in BComp component of the combined degree. One of the two teaching specialisations must be information technology; the other must be a sub-major drawn from the following areas: Science (Physics, Chemistry and Life Sciences) and Mathematics.

^[b] Must include two cores that are from teaching subjects areas in mathematics and science (chemistry, physics, plant science and zoology). Up to two cores can be studied from subjects in the science teaching area.



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^(c) Must include one teaching subject area from the following cores: mathematics and science (chemistry, microbiology/immunology, physics, plant science and zoology).

Career Outcomes

The BComp-BTeach is suitable for students who wish to become a teacher. Graduates will be qualified to teach in secondary schools in the computing discipline and the area of their sub-major (i.e. mathematics or science).

BACHELOR OF INFORMATION SYSTEMS AND BACHELOR OF TEACHING(G3D)

Responsible faculty or school

Faculty of Education
Faculty of Commerce (principal)

Campus(es) Offered

Hobart
Launceston

Course Duration

Minimum 4 yrs, Maximum 10 yrs.

Course Contact (faculty or school)

Education : (03) 6226 2546
Commerce : (03) 6226 6200 or 1800 687120

Introduction

This four-year full-time combined degree of Bachelor of Information Systems and Bachelor of Teaching is offered on the Hobart and Launceston campuses by the Faculty of Commerce and the Faculty of Education. Students can take up to a maximum of 10 years part-time to complete the degree.

Admission & Prerequisites

Minimum university entry requirements apply. Applicants need to note that they may only study certain areas if they satisfy the prerequisite for that unit at the TCE level.

Course Objectives

The objectives of the combined degree are the combination of the objectives of the two component degrees, Bachelor of Information Systems and Bachelor of Teaching (Secondary).



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In addition, the course aims to qualify students for employment as teachers in information technology and other areas that have difficulty attracting qualified graduates.

Course Structure

The course structure of the combined degree includes:

- The core program of the BIS degree;
- A sub-major (four units of study) in a related discipline, one unit of which is included in the core program of the BIS degree; and
- The course of study towards the BTeach (Secondary).

To qualify for the BIS-BTeach, students must successfully complete 400% from units in the BIS and BTeach schedules. 212.5% is required for the BIS component and the second related discipline teaching area and 187.5% for the BTeach component.

The BIS component must include two teaching subject areas, one being information technology, and the other chosen from a related discipline teaching area, which must be one of the following:

- Science
- Mathematics
- Commerce: Social and Environmental Accounting, Accounting, Economics, Management (senior secondary teachers only).

Students will need to be counselled by the BTeach staff regarding identified employer demand. Students will undertake a major in IS and a sub-major in the related area. A major is defined as a course of study that leads to 50% of the units being completed at the third year level. A sub-major is defined as 25% first year core units and 25% second year core units.

Enrolling students will be counselled by BTeach staff on the combinations of Sub-major electives that they may take and satisfy this requirement for a second teaching discipline.

To qualify for the Bachelor of Information Systems and Bachelor of Teaching, students must successfully complete 400%. 212.5% is required for the BIS component and 187.5% for the BTeach component. The BIS component will comprise at least 175% of BIS core program units and an additional 37.5% of units for a sub-major in a second teaching area. The sub-major is defined as a 12.5% first year core and 25% second year core and must be in a designated second subject teaching area.



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Career Outcomes

The BIS-BTeach is suitable for students who wish to become a teacher. Graduates will be qualified to teach in secondary schools in the Information Technology discipline and the area of their sub-major.

BACHELOR OF MUSIC AND BACHELOR OF TEACHING (F3S)

Responsible faculty or school

Faculty of Education
Faculty of Arts (principal)

Campus(es) Offered

Hobart
Launceston - For BTeach curriculum units only

Course Duration

Minimum 4 yrs, Maximum 10 yrs.

Course Contact (faculty or school)

(03) 6226 2061

Introduction

This four-year full-time combined degree of Bachelor of Music and Bachelor of Teaching is offered on the Hobart and Launceston (see note above) campuses by the Faculty of Arts and the Faculty of Education. Students can take up to a maximum of 10 years part-time to complete the degree.

Admission & Prerequisites

Normal university entrance requirements apply. In addition it would be desirable (though not essential) for applicants to have: pre-tertiary TCE music; an AMEB instrumental/vocal level of Grade 6 or 7; Grade 5 theory. Applicants are required to undertake an admission music theory test, performance audition/folio of works, and interview.

Course Objectives

The educational objectives of the course are consistent with those of the Bachelor of Music and Bachelor of Teaching single degrees.

Course Structure

To qualify for the Bachelor of Music and Bachelor of Teaching, students must successfully complete 400% from units in the

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BMus and BTeach schedules. 212.5% is required for the BMus component and 187.5% for the BTeach component.

Career Outcomes

The BMus-BTeach is suitable for students who wish to become a teacher. Graduates will be qualified to teach in secondary schools in the music discipline.

BACHELOR OF SCIENCE AND BACHELOR OF TEACHING(S3N)

Responsible faculty or school

Faculty of Education

Faculty of Science, Engineering and Technology (principal)

Campus(es) Offered

Hobart

Launceston - Year 1 only

Course Duration

Minimum 4 yrs, Maximum 10 yrs.

Course Contact (faculty or school)

(03) 6226 2546 or Secretary.Hobart@educ.utas.edu.au

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Introduction

The Faculty of Science, Engineering & Technology and the Faculty of Education offer this four year full-time (or part-time equivalent) course in Hobart. The first year is also available in Launceston.

Admission & Prerequisites

Minimum university entrance requirements, however first year science units in chemistry, mathematics and physics have specific TCE prerequisites. Students are encouraged to study some of the following subjects: *MT843 Mathematics Stage 3; *MT841 Mathematics Stage 2; *MT730 Mathematics Applied; *IF862 Computer Science; *CH856 Chemistry; *PH866 Physics; *BY826 Biology; *SC786 Applied Science-Physical Sciences.

Students who do not hold the necessary prerequisites in either chemistry, mathematics or physics will be admitted to first-year BSc units following successful completion of the relevant chemistry (KRA001), mathematics (KMA003) or physics (KYA004) bridging course.

Subject prerequisites apply within the degree.



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Course Objectives

The BSc-BTeach aims to qualify students for employment as secondary teachers in two of the following subject specialisations: science, mathematics or information technology.

The science component of the BSc-BTeach aims to:

- provide students with opportunities to acquire knowledge, attitudes and skills in a range of basic physical, computational, mathematical and life sciences;
- introduce students to scientific method through a range of disciplines;
- provide graduates with advanced knowledge in one science discipline; and
- meet the needs of industry, business and government agencies.

Course Structure

To qualify for the Bachelor of Science and Bachelor of Teaching, students must successfully complete 400% from units in the BSc and BTeach schedules. 212.5% is required for the BSc component and 187.5% for the BTeach component. A list of BSc units available is shown under Schedule A of the BSc.

The BSc component must include two teaching subject areas from information technology, mathematics and science. One of the two subject areas must be a major and the other a sub-major. A major is defined as a 25% first year core, a 25% second year core and 50% at the third year level. A sub-major is defined as a 25% first year core and a 25% second year core. The majors and sub-majors available for the science teaching subject area are chemistry, physics and the life sciences (microbiology/immunology, plant science and zoology) and are defined according to Schedule B of the BSc. Not more than 25% of terminating passes may be counted towards the BSc component.

Career Outcomes

The BSc-BTeach is suitable for students who wish to obtain a degree with the view to becoming a teacher. Graduates will be qualified to teach in secondary schools in the discipline of science and the area of their sub-major (ie mathematics, Information Technology).

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BACHELOR OF HEALTH SCIENCE AND BACHELOR OF TEACHING

Responsible faculty or school

Faculty of Health Science/Faculty of Education

Campus(es) Offered

Launceston

Course Duration

Minimum 4 yrs, Maximum 10 yrs.

Course Contact

Phone: (03) 6324 3563

Introduction

The Faculty of Health Sciences and the Faculty of Education offer this four year full time (or part time equivalent) course in Launceston.

The School of Human Life Sciences

The School of Human Life Sciences is based at the Launceston campus of the University of Tasmania and provides education in cell and human biology and related life and health sciences from undergraduate to doctorate level. The Bachelor of Health Science is a degree which prepares students for a range of career paths in the health sector, including administration, project management, work in community health, health promotion and research, as well as for entry into graduate programs in allied health and teaching. The course is also relevant to practicing and potential health care professionals seeking a degree qualification.

The School of Human Life Sciences also offers a one year Biomedical Science with Honours degree on completion of the primary degree. This degree is designed to provide students with the foundations necessary to conduct research in biomedical and health science and to gain greater expertise in various disciplines.

The School encourages a supportive and integrated approach to research, leading to Masters and PhD qualifications in a broad range of areas, including Nutrition, Lifestyle and Disease, Neuropharmacology, Antimicrobial Resistance and Exercise.

Prospective Honours, Masters and PhD candidates should contact:

A/Professor Dominic Geraghty (D.Geraghty@utas.edu.au), or
Professor Madeleine Ball (Madeleine.Ball@utas.edu.au).



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Admission and prerequisites

Applicants must meet normal University admission requirements and have studied one of the following science subjects at Year 11/12: BIO5C Biology, CHM5C Chemistry, PSC5C Physical Sciences, PHY5C Physics, MAP5C Mathematics Applied, MSP5C Mathematics Specialised or MME5C Mathematics Methods or equivalent. HP810 Health Studies, HP817 Sports Science or Food Studies would be appropriate additional pre-tertiary units.

Course Objectives

This combined degree has been designed for those who wish to become teachers or to gain a teaching qualification as an adjunct to their health science degree. Graduates meet the requirements of Education Department of Tasmania for employment as teachers. Graduates will be prepared to work in the areas of Health Science, Health Education and Technology (Food Studies).

The program also prepares for graduates for a range of career paths in the health sector, including administration, management, health promotion and research, where the additional skills from teaching may complement other career paths.

Course Structure

To qualify for the Bachelor of Health Science-Bachelor of Teaching students must successfully complete 400% from units in the B.Health Science, B.Teach schedules. 212.5% is required for the B.Health Science component and 187.5% for the B.Teach component.

Career outcomes and professional recognition

Graduates who complete the requirements for the Bachelor's degree are recognized by teacher employing authorities throughout Australia and overseas and meet all requirements for teaching in the areas of health science, food and technology areas.

For further information:

Phone: (03) 6226 2546

Fax: (03) 6226 2569

Email: Secretary.Hobart@educ.utas.edu.au

Internet: <http://www.utas.edu.au/educ>

Academic Matters:

Gregory Cairnduff

Program Director (Hobart)

Phone: (03) 6226 1886

Email: Natalie.Brown@utas.edu.au

Administrative Matters:

Bachelor of Teaching (Launceston)

Phone: (03) 6324 3563

Bachelor of Teaching (Hobart)

Phone: (03) 6226 2546

Email: Secretary.Hobart@educ.utas.edu.au

International Students Contact:

Enquiries Officer

International Admissions & Exchanges

University of Tasmania, Private Bag 38,

Hobart 7001 Tasmania AUSTRALIA

Phone: +61 3 6226 2706

Fax: +61 3 6226 7862

Email: International.Office@utas.edu.au

Internet: www.international.utas.edu.au



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