

## ELECTIVE STREAMS

Note: At least three 200 level units must be taken from one of the streams and at least two 300 elective units should normally be included in program. Not all units are offered every year.

### Biomedical Science Stream

#### Year 2

##### Semester 1

CXA261 Metabolic Biochemistry  
CXA101 Introduction to Medical Laboratory Sciences

##### Semester 2

CXA262 Cell and Molecular Biochemistry  
CXA251 Clinical Chemistry 1

#### Year 3

##### Semester 1

CXA300 Human Molecular Biology  
CXA352 Clinical Chemistry 2

##### Semester 2

CXA353 Clinical Chemistry 3 (Endocrinology)  
CXA241 General and Medical Microbiology

### Public Health and Lifestyle

#### Year 2

##### Semester 1

CNA245 Child and Adolescent Health  
HAB213 Indigenous Health [d]  
CXA115 Physics for Health Sciences [e] (2008, 2010)  
CXA132 Kinesiology

##### Semester 2

CXA214 Food Science and Practices  
CXA302 Environmental Microbiology, Infection Control and Regulations (alt years)  
CXA303 Public, Community & Environmental Health (2008, 2010)

#### Year 3

##### Semester 1

CNA308 Legal and Ethical Issues in Health Care  
CXA337 Clinical Exercise Testing (2008, 2010)  
CXA313 Health Promotion: Food and Lifestyle

##### Semester 2

CXA301 Biomechanics (2007, 2009)  
CXA303 Public, Community & Environmental Health (2008, 2010)  
CXA308 Exercise Assessment and Prescription

[d] Use level 200 enrolment code \*HAB213

[e] Students must have studied Physics or Physical Sciences in Years 11 and/or 12 and some Mathematics. Alternate years only – 2008, 2010.

### Business/Psychology

#### Year 2

##### Semester 1

BMA101 Introduction to Management (also Sem2)  
KHA101 Psychology 1A

#### Semester 2

BMA221 Management of Human Resources  
KHA102 Psychology 1B [f]

#### Year 3

##### Semester 1

BMA201 Organisational Behaviour  
KHA201 Research Methods 2  
KHA207 Social Psychology (2008, 2010)  
KHA215 Organisational Psychology (2007, 2009)

##### Semester 2

BMA251 Principles of Marketing  
KHA256 Applied Topics in Psychology (2008, 2010)  
KHA359 Health Psychology (2007, 2009)  
KHA262 Development through the Lifespan (2007, 2009)

[f] Bachelor of Health Science students may enroll in KHA102 Psychology 1B without the prerequisite of KHA101 Psychology 1A.

Availability is subject to timetable constraints. Some units may be taken in Year 2 or Year 3, subject to prerequisites.

## BACHELOR OF HEALTH SCIENCE WITH HONOURS & BACHELOR OF BIOMEDICAL SCIENCE WITH HONOURS

The Honours degree is designed to provide students with the foundations necessary to conduct research in the health sciences and biomedical sciences, and to gain greater expertise in various disciplines. This is primarily an on campus course offered at Launceston requiring a minimum of 2 semesters full-time or part-time equivalent study. Students interested in pursuing the Honours course should contact the School of Human Life Sciences.

## FURTHER RESEARCH

A recently expanded research base has created a progressive and dynamic environment for Masters and PhD students within the School of Human Life Sciences.

The school encourages a supportive and integrated approach to research in a broad range of areas, including:

Nutrition, Lifestyle and Disease – the physiological and clinical effects of nutrition, exercise and lifestyle changes in the prevention and management of chronic disease.

Neuropharmacology – the actions of tachykinin peptides and natural pungent compounds on the central nervous system.

Antimicrobial Resistance – mechanisms of antimicrobial resistance in bacteria, specifically B-lactamases.

Exercise – fatigue during exercise and after training; effect of exercise on physiological parameters and immune function.

Health Promotion – the most effective strategies for increasing participation in multi-faceted prevention, behavioural change and social capital.

Prospective Honours, Masters and PhD candidates should contact: The Graduate Research Coordinator, A/Professor Dominic Geraghty (D.Geraghty@utas.edu.au), or the Head of School, Professor Madeleine Ball (Madeleine.Ball@utas.edu.au).

## FURTHER INFORMATION

### Uni Info Centre

For further information about admission or the courses offered by the faculty, please contact the Uni Info Centre:

Freecall: 1300 363 864

University of Tasmania

Locked Bag 1345

Launceston

Tasmania, Australia, 7250

Fax: (03) 6324 3026

Email: [Course.Info@utas.edu.au](mailto:Course.Info@utas.edu.au)

Email for admission enquiries: [admissions@utas.edu.au](mailto:admissions@utas.edu.au)

University of Tasmania - [www.utas.edu.au](http://www.utas.edu.au)

General information about starting university, application procedures, fees, accommodation and advice on course selection is available at [www.utas.edu.au](http://www.utas.edu.au) Select link to "Future Students".

### School of Human Life Sciences

School of Human Life Sciences

Locked Bag 1320

Launceston

Tasmania, Australia, 7250

Phone: 03 6324 5491

Fax: 03 6324 3658

Email: [Christa.Moch@utas.edu.au](mailto:Christa.Moch@utas.edu.au)

Or [Merran.Rogers@utas.edu.au](mailto:Merran.Rogers@utas.edu.au)

<http://www.utas.edu.au/courses/M3H>



School of  
Human Life Sciences

CRICOS Provider Code: 00586B

# Bachelor of Health Science



## FACULTY OF HEALTH SCIENCE





## BACHELOR OF HEALTH SCIENCE

### 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 human biology and related life sciences from undergraduate to doctoral level.

The School offers five undergraduate programs, the Bachelor of Health Science, Bachelor of Biomedical Science, Bachelor of Exercise Science, Bachelor of Health Science/Bachelor of Teaching and the Bachelor of Health Science/Bachelor of Medical Radiation Science (Medical Imaging).

The School also offers a Postgraduate Diploma of Medical Laboratory Science for students with a previous degree in Health Science, Science or other health related discipline.

Honours, masters and doctoral level students conduct research within the School's research programs related to nutrition and disease, neuropharmacology, antimicrobial resistance, exercise, and molecular genetics.

### COURSE OBJECTIVES

The Bachelor of Health Science is a degree which prepares students for a range of career paths in the health sector, including administration, management, health promotion and research, as well as for entry to graduate programs in medicine, allied health courses and teaching.

### CAREER OUTCOMES

There are employment opportunities in government and non-government medical and general health services and in health research organizations. More specifically they occur in areas such as:

- Project management,

- Health promotion, work in community health groups, welfare agencies, general practices or self help groups,
- Clinical research,
- Sales representation across a broad range of medical and health products (including diagnostic equipment and pharmaceuticals),
- Rehabilitation and health and fitness education,
- Health administration and management,
- Postgraduate entry to allied health courses such as Physiotherapy, Occupational Therapy and Dietetics.

The course is also relevant to practicing and potential health care professionals seeking a degree qualification.

### PROFESSIONAL RECOGNITION

The Bachelor of Health Science is not limited to a single, professional discipline. It is a generic health science which qualifies its graduates to undertake further, more specialised, study in a number of disciplines and to pursue various career opportunities in the health sector such as Health Promotion, Health Project Management, and Exercise Science etc.

### ADMISSION AND PREREQUISITES

Applicants for the Bachelor of Health Science must meet normal University admission requirements and have studied a science subject at Year 11/12 (eg. Biology BIO5-C, Physical Sciences PSC5-C, Chemistry CHM5-C or Health Studies 5-C (HP810).

While Chemistry CHM5-C and Mathematics Methods MME5-C, Mathematics Specialised MSP5-C or Mathematics Applied MAPS5-C (or their equivalents) are not essential, they will be an advantage to those who elect to study units in the Bioscience stream.

Applications for credit based on previous relevant university or TAFE study will be considered.

A TER score of 62 is normally required.

### COURSE STRUCTURE

Year 1 units provide a foundation in the life sciences and an introduction to community health care and management. In Year 2 students undertake core units in conjunction with elective units from one or more of the specialist streams – Bioscience, Public Health & Lifestyle or Business/Psychology. Some units are currently offered alternate years only eg. CXA115, CXA301, CXA302, CXA303 and CXA337. In Year 3 students undertake four core units in conjunction with further elective units from one or more of the streams. Overall students should take at least four units from one specific stream.

The **Bioscience** stream provides an understanding of the structure and function of the human body, in both health and disease, and of the biochemical diagnosis of disease.

The **Business/Psychology** stream provides a background in fundamental business procedures, and psychology of individuals and in organizations and health care contexts.

The **Public Health & Lifestyle** stream provides students with interactive communication skills and an understanding of community and public health. The Exercise Science units focus on disciplines related to exercise and fitness.

For up to date information please refer to:  
<http://www.prospective.utas.edu.au/index.php>

### SCHEDULE – CORE UNITS – HEALTH SCIENCE COURSE CODE – M<sub>3</sub>H

#### Year 1

##### Semester 1

CXA171 Cell Biology and Function  
CXA100 Food Studies  
CXA103 Health: Determinants and Analysis

##### Either

KRA161 Chemistry for Life Sciences [a], or  
CXA101 Introduction to Medical Laboratory Sciences [b]

#### Semester 2

CXA102 Introduction to Health Sciences  
CXA125 Introductory Biochemistry  
CXA172 Anatomy and Physiology 1  
CXA176 Microbiology and Health

#### Year 2

##### Semester 3

CXA273 Anatomy and Physiology 2  
CXA212 Pathology of Common Diseases  
CXA213 Health Promotion: Food and Lifestyle [c]  
Plus 1 elective

##### Semester 4

CXA237 Exercise Physiology & Nutrition  
CNA246 Perspectives on Ageing  
Plus 2 electives

#### Year 3

##### Semester 5

CXA321 Immunology  
CXA385 Nutrition and Disease  
Plus 2 electives

##### Semester 6

CXA309 Health Services and Health Informatics  
CXA386 Research and Topics in Health Sciences  
Plus 2 electives

[a] Students who do not have Year 12 Chemistry must enroll in this unit.

[b] Students who have Year 12 Chemistry should enroll in this unit.

[c] Except for students without Year 12 Chemistry who are taking full Bioscience stream.