Bachelor of Health Sciences

- Bachelor of Emergency Health and Paramedic Practice
- Bachelor of Human Services
- Bachelor of Public Health Science
- Bachelor of Radiation Sciences
Bachelor of Health Sciences

The Bachelor of Health Sciences is for students who are passionate about health and keen to contribute to addressing real health challenges - whether they confront individuals or communities. This is a ‘parent’ course under which there are four specialisations. Students enrol in, and graduate from, the course relevant to their specialisation.

The common thread to all specialisations is the commitment to an evidence based approach to delivering quality health care efficiently and effectively whether the focus is on individuals, families or communities.

This course will provide you with a sound foundation in health science and a broad overview of health care, and with skills in identifying, investigating, analysing and assessing health issues.

This foundation leads on to the specialisations which enable you to pursue a variety of allied and public health career paths.

You will learn from passionate teachers, who are experts in clinical practice, research, and real-world public health challenges.

Your studies commence at the Caulfield campus, where the students from all four specialisation courses will apply scientific approaches to the study and improvement of health; considering physiological, behavioural, developmental, social and environmental aspects of human health and disease. You will also learn about health care systems, health promotion, research methods, and public health.

After the first three semesters, your campus base may change depending on your specialisation. This will allow you to continue developing an in-depth knowledge of the theory and practice of the specialisation. (See Course Location on the following page).

Course outcomes

Upon successful completion of this course it is expected that graduates will be able to:

- apply knowledge of human health, disease and promotion to a range of professional contexts
- demonstrate in-depth knowledge of a specific health science discipline
- communicate effectively with diverse audiences and in a variety of formats
- collect, organise, analyse, interpret and report health data
- develop, apply, integrate and generate health science knowledge in professional contexts to analyse challenges and to develop effective solutions
- work and learn in both independent and collaborative ways with others to encompass diverse abilities and perspectives
- exercise personal, professional and social responsibility as a global citizen.
Duration of the course

Three years full time
Six years part time.

Course location

For the first year and a half, the four specialisation courses will join together to study three common units (subjects) per semester at the Caulfield campus. During this time, one specialist unit per semester will also be completed at the campus shown below, giving a total of four units per semester.

For the last year and a half of your studies, you will be based at the following campus:

- Emergency Health and Paramedic Practice - Peninsula
- Human Services - Caulfield
- Public Health Science - Caulfield
- Radiation Sciences - Clayton

CRICOS codes

Bachelor of Emergency Health and Paramedic Practice: 085493D
Bachelor of Human Services: 085490G
Bachelor of Public Health Science: 085491F
Bachelor of Radiation Sciences: Not available to international students

Applications for entry

Applications must be made through the VTAC website (www.vtac.edu.au).

Entry requirements

The following entry requirements and prerequisites are common to all four specialisations.

Minimum entrance requirements

Equivalent Australian Year 12

ATAR

Estimated 75+
(80+ for Radiation Sciences)

Entry is competitive and applications for each specialisation will be assessed separately. It is likely that the 2016 clearly-in ATAR will be different for each course.

Prerequisite studies

English

VCE: Units 3 & 4: a study score of at least 30 in English (EAL) or 25 in English other than EAL
IB: At least 4 in English SL or 3 in English HL or 5 in English B SL or 4 in English B HL

Maths

VCE: Units 3 & 4: a study score of at least 25 in any mathematics
IB: At least 4 in Mathematics SL or 4 in further Mathematics SL or 4 in Mathematical Studies SL or 3 in Mathematics HL

Non-School leaver requirements

Admissions will be based on academic merit.

University: Four units are required to be considered for selection. These should normally include one English and one mathematics unit. Applicants should have at least a 60% average in their studies. Students with a complete or partially complete Bachelor qualification will be considered for entry.

TAFE: Graded AQF Diplomas will be considered for entry into this course. A minimum average of 60% is required. Ungraded (competent/not competent) diplomas will not be considered.

All applicants must satisfy the equivalence of the VCE subject prerequisites and the English language requirements.
This demanding, vocationally oriented specialisation will supply you with the skills to assess life-threatening situations, provide emergency care and potentially save lives.

In this course you will learn about the role of paramedics in the community and undertake practical and highly focused studies in the following areas of paramedic management:

- trauma conditions
- respiratory conditions
- cardiovascular conditions
- mental health conditions
- complex medical conditions
- maternal and neonatal health.

You will also gain core skills in pharmacotherapy in community-based emergency health along with clinical education, leadership and emergency preparedness.

On completion of the Bachelor of Emergency Health and Paramedic Practice, you will have the practical skills of advanced life support that are required to assess and care for patients with out-of-hospital acute emergencies and chronic conditions. You will have acquired the clinical competence for the community-based emergency health setting using a patient-centric, systematic clinical approach.

You will also have a professional knowledge of epidemiology, population health, research methods and principles of evidence-based practice, and - most fundamentally - you will emerge from your studies ready to respond to life threatening situations.

**Career opportunities**

Completion of this course will prepare you for employment as a paramedic. Paramedics are employed by government ambulance services in Australia, private ambulance services, and in industrial, international health, and other community based emergency health settings.

**Extra requirements for successful applicants**

Students must complete a National Police Records Check and must hold a valid Working with Children Check before undertaking clinical placements.

Students must comply with the Faculty of Medicine, Nursing and Health Sciences Immunisation Policy. [www.med.monash.edu.au/current/immunisation/](http://www.med.monash.edu.au/current/immunisation/)

Ambulance Victoria (AV) has stipulated that a medical and fitness examination be completed as a specific pre-requisite for clinical placements with this agency. All costs associated with the medical and fitness assessments must be met by the student.

Failure to hold satisfactory checks or meet the immunisation requirements may result in students being unable to complete this course.

Paramedics are at the forefront of medical care in the community. They provide unscheduled health care for people experiencing a health emergency, initiating care and determining appropriate referral of patients to enable continuing care. Paramedics are required to cooperate effectively with other emergency services to respond to mass casualty incidents in a range of situations.
You will undertake studies in human service practice relating to:
- individuals
- families
- groups
- communities.

Your focus will be on implementing and promoting child and family wellbeing programs and working with communities to build capacities.

An emphasis on current practice and participation in supervised professional practice add to the relevance of the Bachelor of Human Services.

The course also includes studies related to social work and human services research, social policy and management.

**Career opportunities**

The expertise you will gain during this course is sought after by government and community agencies - in contexts that range from local government to correctional facilities, housing to mental-health services.

You will have the skills to gain employment in human and community service organisations and with government departments on completion of this course.

**Why study Human Services at Monash?**

Specialist Human Services units are taught by the Department of Social Work. Established at Monash University in 1973, it is one of the most respected social work schools in Australia.

We have an international reputation for research into areas such as child wellbeing, violence against women, criminal justice, leadership and social sustainability, social policy and social justice.

**Further study required to become a Social Worker**

The Bachelor of Human Services will prepare you, upon graduation, for direct entry into the Master of Social Work (Qualifying) with advanced standing of up to four units.

After gaining your Master of Social Work (Qualifying) which is accredited with the Australian Association of Social Workers, you can pursue a challenging and rewarding career in social work.

**Extra requirements for successful applicants**

Students must complete a National Police Records Check and must hold a valid Working with Children Check before undertaking clinical placements.

Failure to hold satisfactory checks may result in students being unable to complete this course.
Public health initiatives save millions of lives. The discipline focuses on populations and communities rather than individuals; spanning the spectrum from promoting good health, through to preventing disease and managing illness and disability. The Bachelor of Public Health Science at Monash focuses on developing, implementing and evaluating programs and policies to promote health and prevent disease and injury; and undertaking public health research. It has a global orientation, examining both Australian and international health challenges.

Your studies will include aspects of biomedical sciences (such as physiology and pharmacology) and of social sciences (such as sociology), along with public health, epidemiology, biostatistics and research methods.

From the outset, you will learn to apply scientific approaches to the study and improvement of health, considering physiological, behavioural, developmental, social and environmental aspects of human health and disease.

You will also gain in-depth knowledge in important areas such as the Australian healthcare system and emerging challenges in health.

At the conclusion of the first semester of second year, you will be ready to tackle the units comprising your specialist training in Public Health Science. Areas of study will include:

- public health
- epidemiology
- biostatistics
- health-program planning and evaluation
- law and ethics
- health-data management.

Career opportunities

The healthcare industry requires people with a sound understanding of health and health care to fill a range of non-clinical roles. With a degree in Public Health Science, you will find rewarding opportunities in the following areas:

- public-health research
- health promotion
- disease-prevention practice and policy
- health planning and management in government
- non-government organisations.

WHAT IS PUBLIC HEALTH?

“Public health refers to all organized measures (whether public or private) to prevent disease, promote health, and prolong life among the population as a whole. Its activities aim to provide conditions in which people can be healthy and focus on entire populations, not on individual patients or diseases. Thus, public health is concerned with the total system and not only the eradication of a particular disease.”

The World Health Organization
http://www.who.int/trade/glossary/story076/en/

Extra requirements for successful applicants

Students are not required to complete a National Police Records Check or hold a Working with Children Check in order to complete this course.
Bachelor of Radiation Sciences

During the Bachelor of Radiation Sciences you will study radiation physics and instrumentation, radiobiology, imaging anatomy, physiology, epidemiology, oncology, radiation therapy, cancer management strategies and patient care.

You will develop knowledge and understanding in these areas, along with foundation level clinical skills in the following areas:
- computerised tomography
- radiation therapy planning
- radiation therapy treatment
- patient care and management.

You will also consider psychological, medico-legal and ethical aspects of health care, develop your cultural and communicative competence, and learn about occupational health and safety.

Radiation Therapy is a challenging and engaging healthcare field that uses ionising radiations for the treatment of cancer and benign conditions. The equipment used is increasingly sophisticated, and a comprehensive knowledge of its function, operation and computer interfacing is fundamental. The patient is at the centre of care provision and an emphasis on this is embedded throughout the program.

Career opportunities
Challenging and fulfilling opportunities await graduates who successfully complete the program.

There is an increasing demand for adaptable radiation therapists in response to the ageing population, expansion of services in regional Australia, and organic growth of the industry.

Further study in Medical Radiations
On completion of the Bachelor of Radiation Sciences, students may be eligible for entry to the Master of Medical Radiations (Radiation Therapy) and will receive credit if successful.

Upon completion of the Master’s degree graduates can apply for general registration as a radiation therapist from the Medical Radiation Practice Board of Australia.

Extra requirements for successful applicants
Students must complete a National Police Records Check and must hold a valid Working with Children Check before undertaking clinical placements.

Students must comply with the Faculty of Medicine, Nursing and Health Sciences Immunisation Policy. http://www.med.monash.edu.au/current/immunisation

Failure to hold satisfactory checks or meet the immunisation requirements may result in students being unable to complete this course.

Studying the Bachelor of Radiation Sciences at Monash will enable you to combine scientific and technical knowledge with studies in health and patient care; and prepare you to enter an 18 month post-graduate Master’s program in radiation therapy.
Further information

For further information visit:

study.monash/courses

Information for domestic students

study.monash/courses/find-a-course/2016/healthsciences-m2002?domestic=true

Information for international students

study.monash/courses/find-a-course/2016/healthsciences-m2002?international=true

Contact details

Domestic students

Phone: 1800 MONASH (1800 666 274)

Online enquiries:

register.monash.edu/enquiry/GeneralDomEnquiry.aspx

International students

Phone: +61 3 9903 4788

Email: study@monash.edu