

UNDERGRADUATE
PROGRAMS



THE UNIVERSITY
OF ADELAIDE
AUSTRALIA

2010 SCIENCES



SCIENCES

The future will be defined by knowledge and technologies that are being invented now.

At the University of Adelaide, we combine over a century of tradition with internationally acclaimed innovation in research and teaching to give you the skills to take a leading role in shaping our future. The Faculty of Sciences offers a wide range of exciting and innovative academic programs across a broad spectrum of the sciences, ranging from the fundamentals of chemistry, biology and physics, to applied and specialised fields including wine science, biotechnology, food technology, optics and space science.

Our strong research tradition, international connections and unique quality teaching resources, ensure that our programs and teaching methods are at the forefront of current science practices. We achieve this through the use of state-of-the-art laboratories and field stations, modern information technology facilities, strong relationships with a large number of scientific institutes and special research centres, and unique research partnerships with commercial industry, and state and national government agencies.

Our graduates enter the workplace equipped with the skills necessary to meet the challenges of a rapidly changing and increasingly knowledge-based society.

Students have opportunities to develop a high level of proficiency in critical thinking, analytical methods, scientific communication and information technology, as well as developing a high level of expertise in their chosen scientific pursuit.

Located across three campuses, the Faculty of Sciences is one of the most prestigious and exciting learning environments in the southern hemisphere. There are daily bus links from Roseworthy to Gawler and between the Roseworthy, North Terrace and Waite campuses.

North Terrace Campus

The University's North Terrace campus has excellent facilities for teaching and research and houses diverse areas of the Sciences, including Biomedical Sciences, Chemistry, Geology and Geophysics, Environmental Biology

and Physics. At the National Wine Centre, also on North Terrace, a number of the Faculty's highly regarded wine courses are taught.

Roseworthy Campus

The Roseworthy Campus (50 kms north of Adelaide) provides large-scale field trial facilities on a 1600 hectare farm. A range of farming facilities are used for teaching purposes, providing materials and a resource base for the associated academic programs including agricultural science, animal science, and veterinary science. These programs are supported by the co-location of various research organisations at Roseworthy which include the South Australian Research and Development Institute, Australian Grain Technologies, National Cooperative Research Centres for Pork Quality, Poultry, Future Farm Industries and Beef and Cattle Quality.

Roseworthy College provides a range of accommodation and supporting educational, cultural and social activities. Accommodation scholarships are available for students from rural or remote areas or for students who can demonstrate financial need.

A major new building to house the clinical and other facilities for the School of Veterinary Sciences is being constructed during 2009.

Waite Campus

The Faculty has part of the Schools of Agriculture, Food and Wine (AFW), and Earth and Environmental Sciences based on the inter-nationally renowned Waite Campus, 8 km south of Adelaide. The Australian Centre for Plant Functional Genomics has its headquarters and Adelaide node on the Campus and its staff are part of AFW. These Faculty activities share the campus with a number of partner organisations including the CSIRO Divisions of Land and Water and Plant Industry, Australian Wine Research Institute, South Australian Research and Development Institute, Molecular Plant Breeding Cooperative Research Centre, and Primary Industries and Resources South Australia. A number of companies are based on the Campus and interact strongly with members of the University,

including participation in teaching and research. These include Australian Grain Technologies, Australia's largest commercial wheat breeding entity, and Provisor, which provides services to the wine industry. The Waite Campus laboratories are equipped for molecular, cellular, biochemical, physiological and ecological studies with a strong emphasis on plant and crop sciences, and natural resource management. There are also vineyards and a winery on campus which are used for teaching in the wine-related degrees, extensive field plots for crop studies, and an arboretum. Recent developments include a new building housing the University's wine activities. A major national facility that will use state-of-the-art robotics and computer technology to rapidly measure plant physical characteristics is due to open in late 2009.

Discover your future in sciences at the University of Adelaide.

Further Studies in the Sciences

The degree programs in the Sciences can lead to further studies:

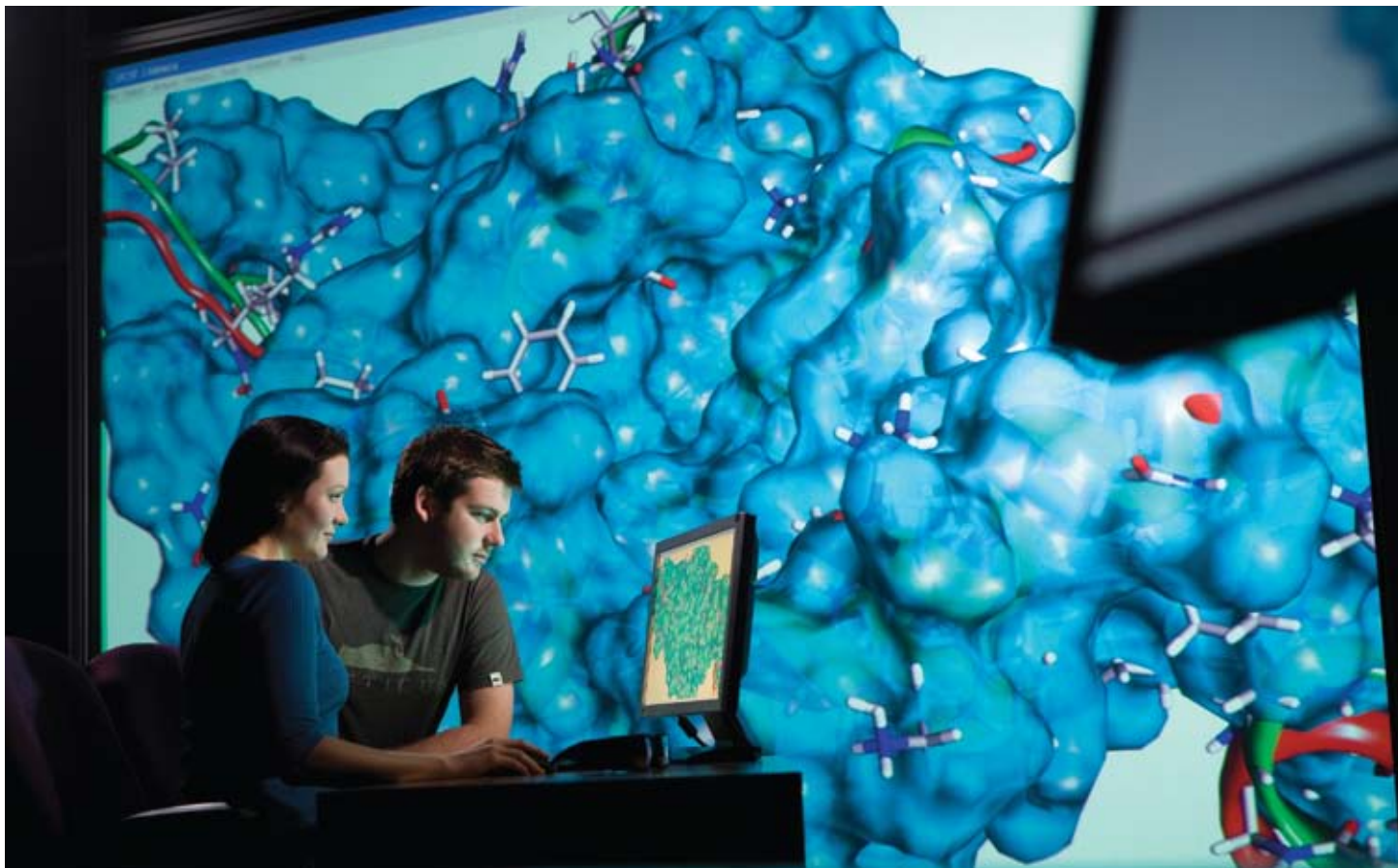
Honours

Over half of our graduates continue their studies with a fourth year Honours program, where they gain professional training in their chosen specialty and experience scientific research first hand.

Honours study is offered by all disciplines in the Faculty of Sciences and is open to students who achieve the necessary academic standard in their undergraduate degree program. The program involves a major research project as well as course work, seminars and minor projects. These studies may be continued and extended with postgraduate work through a Masters Degree or a Doctor of Philosophy.

Masters Degree, PhD

These programs provide students with the opportunity to carry out an original research project and explore, in great detail, a specific area of science. A Masters Degree is typically



achieved in around two years of study and a doctorate is usually obtained in about three years. These degrees qualify you for a career as a research scientist.

Further Studies in Other Areas

Students seeking alternative professional training may pursue a range of postgraduate programs in areas such as Medicine, Oenology, Sustainability, Viticulture, and Wine Business.

Students intending to apply for admission to a graduate entry medicine program in the future should note that the courses studied in the B.Sc. and B.Sc. (Biomedical Science) provide the skills and knowledge required.

Bachelor of Science - Graduate Diploma in Education

The University also offers a one-year Graduate Diploma in Education for graduates who wish to train as secondary school

teachers or to work with adult learners. Students taking this path can complete three years of tertiary study before making a final decision on career destinations. The Bachelor of Science provides a foundation for a range of future career changes within the education sector and other areas.

Student Study Commitment

To successfully complete courses, students will need to allocate an appropriate time commitment to their study. In addition to the formal contact - the time required for each course (eg, lectures, tutorials, practicals) - students will need to allocate non-contact time. Non-contact time will be required for a range of activities which may include, but are not limited to, assessment tasks,

reading, researching, note-taking, revision, writing, consultation with staff, and informal discussion with other students.

While the relative proportion of contact and non-contact time may vary from course to course, as a guide, a full-time student would expect to spend, on average, a total of 48 hours per week on their studies during teaching periods. The workload for undergraduate programs is 24 units per year (full-time).

ACADEMIC PROGRAMS AND STUDY PATHWAYS

The **Faculty of Sciences** offers the highly flexible Bachelor of Science as well as a range of named degree academic programs with defined pathways. The table below shows the entry requirements for the Bachelor of Science program. It is important to note the Essential Prerequisites required to gain entry to this program. The subjects listed under the heading Recommended SACE Background are highly recommended because they allow the greatest amount of flexibility within the BSc program.

ENTRY REQUIREMENTS FOR SCIENCE PROGRAMS

PROGRAM	ESSENTIAL PREREQUISITE SACE STAGE 2 SUBJECTS	RECOMMENDED SACE STAGE 2 BACKGROUND
Bachelor of Science B.Sc. (Mineral Geoscience)	Two subjects chosen from: Biology, Chemistry, Geology, Maths Methods, Maths Studies, Specialist Maths (Only 1 Maths subject can be counted) Physics*, Psychology	Chemistry, Maths Studies, Physics*
B.Sc. (Biomedical Science) B.Sc. (EcoChemistry) B.Sc. (Molecular & Drug Design) B.Sc. (Molecular Biology) B.Sc. (Nanoscience & Materials)	Chemistry & one from: Biology, Geology, Maths Methods, Maths Studies, Specialist Maths, Physics, Psychology	Chemistry, Maths Studies, Physics
B.Sc. (Biotechnology) B.Sc. (Pre-Veterinary)	Maths Studies & Chemistry	Chemistry, Maths Studies, Physics
B.Sc. (Petroleum Geoscience)	Maths Studies & either Chemistry or Physics	Chemistry, Maths Studies, Physics
B.Sc. (Optics & Photonics) B.Sc. (Space Science & Astrophysics) B.Sc. (High Performance Computational Physics) (Honours)	Maths Studies, Specialist Maths, Physics	Maths Studies, Specialist Maths, Physics
B.Agricultural Science B.Food & Nutrition Science B.Sc. (Animal Science) B.Sc. (Evolutionary Biology) B.Sc. (Marine Biology) B.Sc. (Natural Resources) B.Sc. (Viticulture & Oenology)	None	Chemistry, Maths Studies
B.Wine Marketing	None	None

* Specialist Maths required for Physics Pathways

CAREERS

SCIENTIFIC AREA	PROGRAM CAREER	OPTIONS:	
Agriculture	B. Agricultural Sciences B.Sc.(Animal Science) B.Sc.(Natural Resources) B.Sc.(Pre-Veterinary)	B.Sc./B.Teaching B. Wine Marketing B.Sc (Viticulture & Oenology)	Environmental Project Officer, Resource Manager, Ecologist, Agronomist, Horticulturist, Environmental Consultant, Zookeeper, Park Management Officer, Rural Banker, Agricultural Consultant, High School Teacher, Vet, Journalist, Marketing and Communications Manager, Animal Health Officer, Quarantine Officer, Soil Scientist, Viticulturalist, Wine Maker
Biology	B. Agricultural Sciences B.Food & Nutrition Science B.Sc. B.Sc.(Animal Science) B.Sc.(Biomedical Science) B.Sc (Biotechnology) B.Sc.(Evolutionary Biology)	B.Sc.(Marine Biology) B.Sc (Molecular & Drug Design) B.Sc (Molecular Biology) B.Sc.(Pre-Veterinary) B.Sc (Viticulture & Oenology) B.Sc./B.Teaching	Food Technologist, Forensic Scientist, Medical Research Scientist, Nutritionist, Doctor, Marine Biologist, Food Scientist, Animal Behaviouralist, Meteorologist, Wine Maker, Plant Biotechnologist, Neuroscientist, Psychologist, Embryologist, Clinical Studies Coordinator, Botanist, Research Scientist, High School Teacher, Animal Health Officer, Quarantine Officer, Vet, Viticulturalist,
Chemistry	B. Agricultural Sciences B.Food & Nutrition Science B.Sc. B.Sc.(Biomedical Science) B.Sc (Biotechnology) B.Sc.(EcoChemistry)	B.Sc (Molecular & Drug Design) B.Sc (Molecular Biology) B.Sc.(Nanoscience & Materials) B.Sc.(Petroleum Geoscience) B.Sc (Viticulture & Oenology) B.Sc./B.Teaching	Chemist, Geochemist, Pharmacologist, Environmental Remediation Officer, Wine Maker, Petroleum Exploration Worker, Environmental Consultant, Forensic Scientist, Biotechnologist, Environmental Project Officer, Food Technologist, Food Scientist, Nutritionist, Research Scientist, High School Teacher, Soil Scientist, Viticulturalist
Environmental Science	B.Sc. B.Sc.(Animal Science) B.Sc.(EcoChemistry)	B.Sc.(Evolutionary Biology) B.Sc.(Marine Biology) B.Sc.(Natural Resources)	Environmental Project Officer, Resource Manager, Ecologist, Environmental Consultant, Environmental Scientist, Biodiversity Assessment Officer
Geology	B.Sc. B. SC. (Mineral Geoscience)	B.Sc.(Petroleum Geoscience)	Petroleum Exploration Worker, Geophysicist, Resource Manager, Environmental Geologist, Mineral Exploration Worker
Physics	B.Sc. B.Sc.(High Performance Computational Physics)(Hons)	B.Sc.(Optics & Photonics) B.Sc.(Space Science & Astrophysics) B.Sc./B.Teaching	Space Scientist, Systems Analyst, Geophysicist, Petrophysicist, Communications Analyst, Medical Physicist, Laser and Photonics, Biophysicist, Scientist/Engineer, Environmental Scientist, Climate and Ecosystem Modeller, Meteorologist, Hydrologist, Remote Sensing Scientist, Defence Industry Scientist, Intelligence Officer, Research Scientist, High School Teacher

For further information or to organise for us to visit your school, contact the Faculty of Sciences (08 8303 5673), email: faculty.sciences@adelaide.edu.au, www.sciences.adelaide.edu.au



Troy Forrest Bachelor of Science (Majors in Pharmacology and Physiology)

■ Founder of his own sales training company



A love of science led Troy to study a Bachelor of Science at the University of Adelaide. Armed with the knowledge this degree provided, Troy embarked on a successful career in sales, educating doctors on the latest advances in pharmaceuticals and medical technology.

NOW, AS THE FOUNDER OF HIS OWN SALES TRAINING COMPANY, TROY PASSES ON THIS KNOWLEDGE TO OTHERS.

“The Bachelor of Science is a great way to get a taste of diverse career options to help you figure out what you are passionate about. It encourages you to be inquisitive and ask questions - great traits, regardless of the field you choose!”

BACHELOR OF SCIENCE

SATAC Code: 314581

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 70.85/25

2010 International TER/IB: 70.00/25

2010 International Fee: \$ 23100 p/a

Prerequisite: Two SACE Stage 2 science subjects chosen from Biology, Chemistry, Geology, Maths Methods, Maths Studies, Specialist Maths (only 1 Maths subject may be counted), Physics or Psychology. Note that 3 Subjects (Physics, Maths and Specialist Maths) are prerequisites for Physics as a major study area.

Assumed knowledge: SACE Stage 2 Chemistry, Maths Studies, Physics

For students who want to keep their options open, the Bachelor of Science program provides the most flexibility due to its diverse range of course offerings from a number of disciplines. In the first year level, students enrol in a combination of courses that prepare them to follow pathways through to major study areas in third year. Science students learn a number of transferable skills that are useful in a wide range of careers not only limited to scientific areas. These skills include analytical methods, laboratory and field techniques, information technology skills, teamwork, initiative and the ability to communicate and cooperate with people from a range of backgrounds and expertise.

CAREERS

Science graduates gain a wide range of skills that can lead to a variety of careers including:

- Business
- Defence industry
- Environmental sciences
- Government departments
- Hospitals and health organisations
- Intellectual Property
- Laboratory research and development
- Management
- Oil and gas industry
- Original and ground-breaking research
- Press and media outlet
- Private industry
- Sales and consultancy
- Science communication, consulting, journalism
- Teaching and lecturing
- Universities

SPECIALISATIONS IN THE BACHELOR OF SCIENCE

Biomedical Science provides an understanding of the human body and the way it works. Graduates pursue professions allied with medical research, such as human anatomy and histology, the microbiology and physiology of disease, exercise physiology, immune responses, the harmful and useful roles of drugs and the psychological and physiological basis of human behaviour. Graduates may seek employment in medical or research laboratories, hospitals, private industries, the pharmaceutical industry, sports clinics, the biotechnology industry, forensic science, food science and nutrition, cardiac technology, rehabilitation, chiropractics and teaching.

YOUR PATHWAY TO BIOMEDICAL SCIENCE

LEVEL I	Core courses in the areas of: Biology, Chemistry
	Recommended course in: Physics
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses (determined by major study area/s chosen for Level III) in the areas of: Anatomical Sciences, Biochemistry, Chemistry, Genetics, Physiology, Microbiology and Immunology, Psychology
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses chosen from: Anatomical Sciences, Biochemistry, Genetics, Microbiology and Immunology, Pharmacology, Physiology
	Non-core course chosen from a range of science offerings

Chemical Science involves the study of the structure, physical and chemical properties and reactions of elements and compounds. Students learn how to apply this knowledge to develop new and useful chemicals such as plastics, fuels and pharmaceuticals, for use in manufacture, medicine and the environment. A wide range of professional careers may be sought by graduates including environmental monitoring and control, mining, forensic science, nanotechnology, the pharmaceutical industry, medical and agricultural laboratories, manufacturing, food technology, the chemical industry, research and teaching.

YOUR PATHWAY TO CHEMICAL SCIENCE

LEVEL I	Core courses in the areas of: Chemistry
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Chemistry
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Chemistry
	Non-core course chosen from a range of science offerings

SPECIALISATIONS IN THE BACHELOR OF SCIENCE

Earth Sciences involves the study of how our planet is built, how it works, its turbulent 4.5 billion-year history and how its precious resources can be located and used. It also investigates how the fragile landscape and often hazardous natural events must be studied and understood to allow them to be adequately managed. Earth Science is one of the most diverse of the sciences covering everything from meteorites to dinosaurs and from gold deposits to volcanoes. Graduates may seek a wide range of professional careers in areas including resource management, environmental geology, mineral exploration, organic geochemistry, seismology, geomorphology, palaeontology, industry and fundamental research.

YOUR PATHWAY TO EARTH SCIENCES

LEVEL I	Core courses in the areas of: Geology
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Geology
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Geology, Geophysics and Environmental Geoscience
	Non-core course chosen from a range of science offerings

Evolutionary Biology and Ecology allows students to investigate the diversity of life on earth and the relationships between organisms and their environments. Students will learn about plants and animals, their ecology, conservation and management, physiology and evolution, including those in terrestrial, freshwater and marine systems. Fieldwork and the study of South Australian ecosystems are important components of many later year courses. Exciting careers exist in environmental consultancy, environmental monitoring and management, marine science, aquaculture, community education, ecotourism, wildlife parks, catchment management, research and teaching.

YOUR PATHWAY TO EVOLUTIONARY BIOLOGY AND ECOLOGY

LEVEL I	Core course in the area of: Biology
	Recommended courses in: Chemistry, Statistical Practice
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses (determined by major study area/s chosen for Level III) in the areas of: Botany, Ecology, Evolutionary Biology, Zoology
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses chosen in the areas of: Botany, Ecology, Entomology, Wildlife
	Non-core course chosen from a range of science offerings

Molecular Biology explores how biological processes function at a molecular level and its application in medicine, agriculture and research. Students develop an understanding of the manufacture of important biological molecules and how, through gene technology, genes may be manipulated in beneficial ways. Graduates can pursue careers in biotechnology, biomedicine, agricultural research, pharmaceutical industries and medical laboratories.

YOUR PATHWAY TO MOLECULAR BIOLOGY

LEVEL I	Core courses in the areas of: Biology, Chemistry
	Recommended courses in: Physics for the Life and Earth Sciences
LEVEL II	Core courses (determined by major study area/s chosen for Level III) in the areas of: Anatomical Sciences, Biochemistry, Chemistry, Genetics, Microbiology and Immunology, Physiology
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses chosen in the areas of: Anatomical Sciences, Biochemistry, Chemistry, Genetics, Microbiology & Immunology, Pharmacology, Physiology
	Non-core course chosen from a range of science offerings



Craig Barker Bachelor of Science (Majors in Geology and Botany)
 ■ Geology Manager, Chelopech Mine, Bulgaria



After the first year of Bachelor of Science at the University of Adelaide, Craig Barker decided to pick up the subject of geology. From the first lecture he knew it was what he wanted to do.

“IF YOU ARE INTERESTED IN HAVING A MIX OF WORKING INDOORS AND OUT AND TRAVELLING THE FAR REACHES OF THE GLOBE, GEOLOGY MIGHT INTEREST YOU.”

“University will give you a chance to grow, explore the possibilities and experiment. My degree allowed me to travel the world and work in diverse cultures all while getting paid for it.”

SPECIALISATIONS IN THE BACHELOR OF SCIENCE

Physics provides an understanding of the structure of matter and the nature of the universe. You will develop a detailed knowledge of areas which can include astrophysics, atmospheric and environmental physics, computational physics, optics and lasers, photonics and nuclear/particle physics. Mathematical and computer science courses are often taken along with physics. Graduates can expect to find employment in electronics, optics and laser industries, scientific computing, telecommunications, space and astronomy programs, forensic science, health and environmental industries, medical physics or in research.

YOUR PATHWAY TO PHYSICS

LEVEL I	Core courses in the areas of: Maths, Physics
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses (determined by major study area/s chosen for Level III) in the areas of: Mathematics, Physics
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Physics, Theoretical Physics
	Non-core course chosen from a range of science offerings

Psychology, Neuroscience & Behavioural Sciences allow students to study human and animal behaviour. They have many branches that examine topics such as the way we learn, how we make decisions, the biological basis of behaviour, social and cultural influences on our attitudes and relationships, personality and intelligence. Graduates may enter a variety of professional psychology careers in the public and private sectors.

YOUR PATHWAY TO PSYCHOLOGY, NEUROSCIENCE & BEHAVIOURAL SCIENCES

LEVEL I	Core course in the areas of: Psychology
	Recommended courses in the areas of: Biology, Statistical Practice
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses (determined by major study area/s chosen for Level III) in the area of: Psychology
	Selected level II courses from the Biomedical Sciences
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses chosen in the area of: Psychology
	Selected level II courses from the Biomedical Sciences
	Non-core course chosen from a range of science offerings

Soil Science and Spatial Information Science explores the biological, chemical and physical properties of soils in Australian landscapes and uses the latest technology in geographical information systems, remote sensing, and spatial modelling to monitor distributions of landscape properties. Graduates are keenly sought after by a wide range of government agencies, regional bodies, private enterprise and universities in the fields of oil surveying, environmental planning, soil conservation, environmental impact assessment, environmental engineering, land assessment and mapping, research and biodiversity survey and assessment.

YOUR PATHWAY TO SOIL SCIENCE AND SPATIAL INFORMATION SCIENCE

LEVEL I	Core courses in the areas of: Biology, Chemistry, Geology
	Recommended courses in the area of: Statistical Practice
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses (determined by major study area/s chosen for Level III) in the area of: Soil and Water
	Selected level II courses from Earth and Environmental Sciences
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses chosen in the major study areas of: Soil Science and Spatial Information
	Selected level II courses from Earth and Environmental Sciences
	Non-core course chosen from a range of science offerings

BACHELOR OF AGRICULTURAL SCIENCES

SATAC Code: 324151

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: New program

2010 International TER/IB: 70.00/25

2010 International Fee: \$ 23100 p/a

Campus: Waite, Roseworthy, North Terrace

Assumed knowledge: SACE Stage 2 Chemistry, Maths Studies

The Waite and Roseworthy campuses are recognised as centres of excellence in agricultural science

and this reputation underpins the new Bachelor of Agricultural Sciences. The program trains students in the physical, biological, technological and economic bases of modern agricultural systems and is designed to demonstrate how scientific and economic principles are applied to manage agricultural systems and the natural resources on which these systems depend. Graduates are highly sought after for positions in a range of rural industries including consulting in the livestock and cropping industries, banking and research as well as related areas in natural resource management.

CAREERS

Agricultural Sciences graduates are equipped to solve industry problems and apply new technology

in their areas of specialisation. Areas where graduates can expect to find employment include:

- Advisory, research and regulatory services
- Agricultural production
- Agronomy and banking
- Agriculture-related industries
- Commercial enterprises
- Farm machinery, management and operation
- Government and semi-government agencies
- Journalism, communication and marketing
- Research and technical work
- Secondary, tertiary and vocational education.

BACHELOR OF AGRICULTURAL SCIENCES - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Agricultural Systems, Biology, Chemistry, Professional Skills, Soils and Landscapes
LEVEL II	Core courses in the areas of: Agribusiness, Animal and Plant Biochemistry, Crop Production, Livestock Production Systems, Microbiology, Plant Science, Soil and Water Resources
LEVEL III	Core courses in the areas of: Agricultural Resource Management, Agricultural Economics and Policy, Professional Skills, Research Methodology
	Non-core courses chosen from a range of courses in animal science, plant and crop science, plant protection, and soil science

BACHELOR OF FOOD AND NUTRITION SCIENCE

SATAC Code: 314761

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 70.45/25

2010 International TER/IB: 70.00/25

2010 International Fee: \$ 23100 p/a

Campus: North Terrace, Waite, Regency TAFE

Assumed knowledge: SACE Stage 2 Chemistry, Maths Studies

This program offers a mix of theoretical plus hands on, practical science with secure employment prospects in Food and Nutrition Sciences. The

program provides students with the skills to identify and develop the next nutritional trends, processing innovations and advanced packaging in a sustainable way. You will learn how to design, formulate, produce and package every day and specialty foods with specific functional and nutritional properties. Core science courses at the University of Adelaide are complemented by industry-focused, practical experience in sensory evaluation of foods, food safety, food processing technology and new product development at TAFESA Regency Campus.

Lifelong learning is embedded in the program, providing experience in communication, project management, research, team work and regulatory

frameworks to ensure that graduates can contribute to food and health industries of the future.

CAREERS

Our graduates gain careers with ample opportunities for career progression into management and leadership positions including:

- Food technologist/technical officer/manager
- Health care
- Laboratory assistant/manager
- Marketing manager
- Product development assistant
- Quality assurance officer/supervisor/manager
- Research student (Honours and PhD)
- Senior food scientist

BACHELOR OF FOOD AND NUTRITION SCIENCE - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Human Perspectives, Biology: Molecules, Genes and Cells, Chemistry, Consumer Food & Health, Introduction to Food Technology, Physics Principles and Applications, Statistical Practice
LEVEL II	Core courses in the areas of: Animal and Plant Biochemistry, Food Chemistry, Food Engineering Principles, Food Microbiology, Food Processing Technology, Microbiology and Invertebrate Biology, Sensory Evaluation of Food, Research Methodology
LEVEL III	Core courses in the areas of: Biotechnology in the Food and Wine Industry, Communication in the Agri-food Industry, Food Marketing, Food Quality and Regulation, Food Product Development, Food Processing Technology, Industry Placement, Nutrition

BACHELOR OF SCIENCE (ANIMAL SCIENCE)

SATAC Code: 324141

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 80.00/27

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Campus: Roseworthy, North Terrace

Assumed knowledge: SACE Stage 2 Chemistry, Maths Studies

This program offers a broad range of animal science courses that cover wildlife, livestock and companion animal species. In the first year level, students undertake foundation science courses which form the background for later studies in areas such as animal physiology, nutrition, breeding and management. The program has a strong emphasis on the practical skills utilised in the area of animal science. Level I involves studies at both the North Terrace and Roseworthy Campuses, while the core elements of the rest of the program will be based at Roseworthy Campus.

CAREERS

Graduates of the program can expect to find employment as animal science professionals in areas such as:

- Government agencies
- Livestock and agricultural management
- Livestock production and nutrition
- Private companies
- Vertebrate pest management
- Wildlife conservation
- Zoos and animal welfare organisations

BACHELOR OF SCIENCE (ANIMAL SCIENCE) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Animal Behaviour, Biology, Chemistry, Perspectives in Animal Science, Physics or Ecology, Statistical Practice, Welfare and Ethics
LEVEL II	Core courses in the areas of: Animal and Plant Biochemistry, Companion Animal and Equine Studies, Comparative Animal Anatomy and Physiology, Genes and Inheritance, Livestock Production Science, Research Methodology, Wildlife Management
LEVEL III	Core courses in the areas of: Animal Breeding and Genetics, Animal Health, Animal Microbiology, Animal Nutrition and Metabolism, Animal Reproduction and Development, Laboratory Animal Science

BACHELOR OF SCIENCE (BIOMEDICAL SCIENCE)

SATAC Code: 314091

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 83.60/29

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Prerequisite: SACE Stage 2 Chemistry and one other SACE Stage 2 subject chosen from Biology, Geology, Maths Methods, Maths Studies, Specialist Maths, Physics, or Psychology

Assumed knowledge: SACE Stage 2 Maths Studies, Physics

This program allows students to specialise in scientific areas related to the normal function or the diseases of the human body, and is aimed at developing highly qualified graduates with the knowledge and experience appropriate for commencing a career in medical research. At the first year level, students develop a foundation in science which provides a base for the more advanced biomedical studies in the later years of the program. Both the second and third year levels have a strong research component, with students

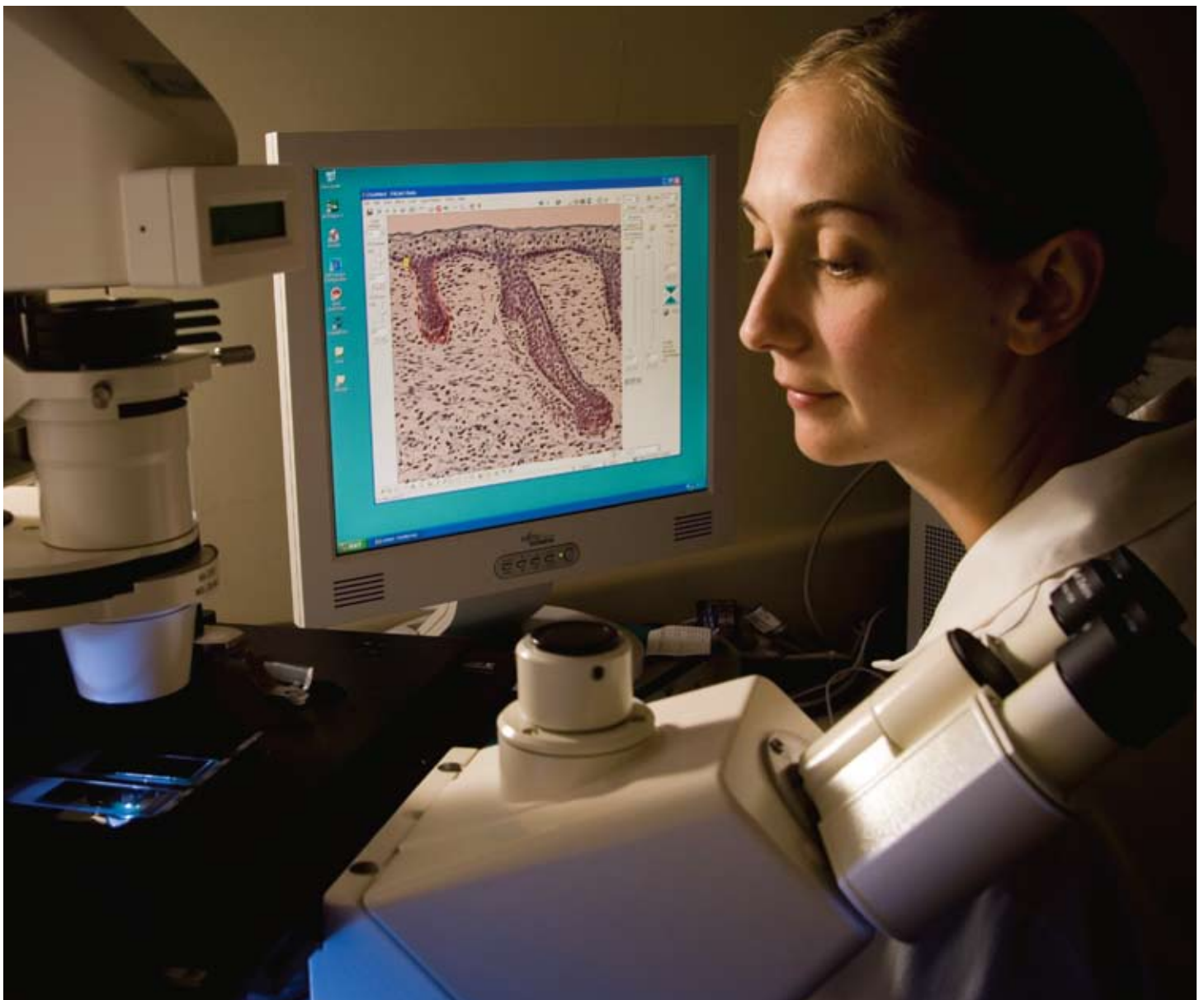
participating in structured research projects in the disciplines of physiology, microbiology, immunology and virology, or genetics. In parallel with the core biomedical courses, students choose other courses that provide a broad biomedical background, including anatomy, biochemistry and chemistry.

CAREERS

Graduates of the program can expect to find employment in a clinical setting as a hospital scientist or, in non-clinical settings as a research scientist or in industries such as biomedical biotechnology or pharmaceuticals.

BACHELOR OF SCIENCE (BIOMEDICAL SCIENCE) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Chemistry
	Non-core course chosen from a range of science offerings
LEVEL II	One core Biomedical course chosen from: Genetics, Human Physiology, Microbiology and Immunology
	Level II courses chosen from: Biochemistry, Cells & Tissues, Chemistry, Comparative Anatomy of Body Systems, Genetics, Human Physiology, Microbiology & Immunology
	Additional level II subjects in the Sciences
LEVEL III	One core Biomedical course from: Genetics, Human Physiology, Infection and Immunity
	Level III courses chosen from: Anatomical Science, Biochemistry, Chemistry, Clinical and Experimental Pharmacology, Genetics, Microbiology and Immunology, Physiology



BACHELOR OF SCIENCE (BIOTECHNOLOGY)

SATAC Code: 314691

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 81.40/28

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Prerequisite: SACE Stage 2 Maths Studies, Chemistry

Assumed knowledge: SACE Stage 2 Physics

The Biotechnology field is constantly evolving and utilises current technologies such as protein separation technologies, genomics and combinational chemistry to produce foods, drugs and other products. This program provides training in both the molecular basis for biotechnology and

the bioprocess technology, which are required for the development of biotechnology products.

This program is based around the recognised strengths of the University of Adelaide in molecular biology, animal, plant and microbial biotechnology, structural biology and bioprocess engineering. It provides students with a unique cross disciplinary approach, which incorporates expertise from the Faculty of Sciences, and the Faculty of Engineering, Computer and Mathematical Sciences. Level I provides a strong foundation in chemistry, biology, biotechnology applications and bioprocess engineering principles. Core courses in later years cover important topic areas, such as molecular biology, molecular and structural biochemistry, microbiology, bioseparations and downstream processing, fermentation, bioinformatics, bioprocess economics, bioprocess design and

scale-up, intellectual property, regulatory issues, waste management and bioremediation.

CAREERS

Graduates of the program can expect to find employment in:

- Biomedical biotechnology, medical diagnostics and vaccine discovery
- Development of genetically modified organisms
- Ethics and regulatory organisations
- Innovative and laboratory research science
- Management of biotechnology industries and enterprises
- Patent law (with appropriate qualifications)
- Pharmaceutical industries
- Plant and animal breeding, and improvement

BACHELOR OF SCIENCE (BIOTECHNOLOGY) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Chemistry, Introduction to Bioprocessing, Introduction to Biotechnology
	Non-core courses offered by the faculties of Sciences and/or Engineering, Computer and Mathematical Sciences
LEVEL II	Core Biotechnology courses in the areas of: Biochemistry, Microbiology, Principles of Biotechnology
	Non-core courses offered by the faculties of Sciences and/or Engineering, Computer and Mathematical Sciences
LEVEL III	Core Biotechnology courses in the areas of: Biotechnology Practice, Molecular and Structural Biology
	Non-core courses offered by the faculties of Sciences and/or Engineering, Computer and Mathematical Sciences

BACHELOR OF SCIENCE (ECO-CHEMISTRY)

SATAC Code: 324271

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 89.20/31

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Prerequisite: SACE Stage 2 Chemistry, one other SACE Stage 2 subject chosen from Biology, Geology, Maths Methods, Maths Studies, Specialist Maths, Physics, or Psychology

Assumed Knowledge: SACE Stage 2 Maths Studies, Physics

This program trains students in how to address environmental issues such as the greenhouse

effect, ozone layer depletion, the use of pesticides and air, water and soil pollution using core training in chemistry. Students are introduced to emerging areas including 'green' (environmentally benign) chemistry and the environmental implications of traditional and modern chemical industries.

First year involves core studies in chemistry, biology and earth sciences. Second year has a strong focus on chemistry, including specialist studies in environmental, biological and analytical chemistry, but students also supplement their studies with optional courses in related environmental or ecological areas. Field-based collection and measurement is a popular feature of second year. In third year, students focus on advanced topics that examine the relationship between chemistry and the environment. In particular, students develop expertise in chemical synthesis and gain

an understanding of the physical and chemical properties of compounds of contemporary environmental significance. Students also undertake investigative and research activities into contemporary eco-chemical problems.

CAREERS

Graduates of the program can expect to find employment in:

- Agricultural areas
- Chemical and analytical sectors
- Environmental management and remediation
- Environmental science including climate change
- Mining
- Natural heritage
- Urban redevelopment sectors

BACHELOR OF SCIENCE (ECO-CHEMISTRY) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Chemistry, Geology
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Chemistry, Environmental and Analytical Chemistry, Medicinal and Biological Chemistry
	Selected level II courses from Earth and Environmental Sciences
LEVEL III	Core courses in the areas of: Chemistry, Environmental and Analytical Chemistry, Materials Chemistry, Heterocyclic Chemistry and Molecular Devices
	Non-core course chosen from a range of science offerings



Su Yin Kee Bachelor of Science (Chemistry)

■ Scientific Officer, National Environment Agency, Singapore



Su Yin Kee grew up in Singapore and graduated with a Diploma in Chemical Engineering from Singapore Polytechnic before coming to the University of Adelaide. An interest in Chemistry brought her to the University of Adelaide to study the Bachelor of Science majoring in Chemistry.

“I CHOSE THIS DEGREE WITH THE ASPIRATION OF GETTING A JOB IN EITHER ENVIRONMENTAL OR PHARMACEUTICAL INDUSTRIES.”

“My experience in Adelaide was fantastic and memorable. Not only did I graduate with a top-class degree which enabled me to get a job in my area of interest, but I also made life-long friends from different countries. The living expenses are low compared to other Australian cities which enabled me to travel.”

BACHELOR OF SCIENCE (EVOLUTIONARY BIOLOGY)

SATAC Code: 324281

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 82.70/28

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Assumed knowledge: SACE Stage 2 Maths Studies, Chemistry

Evolutionary Biology involves the study of information contained in living plants and animals and their fossils to determine how they evolved.

This knowledge assists in understanding biodiversity and planning for its conservation.

The program, which provides access to SA Museum staff and collections, is unique in South Australia, and is designed to deliver internationally competitive training.

After the first year level, students have the opportunity to pursue two majors: Palaeontology or Systematics and Molecular Evolution. Palaeontology focuses on fossil reconstruction, while Systematics and Molecular Evolution involves studies in evolutionary genetics and molecular biology. Students are exposed to high quality, cutting edge research and conduct a research project in their field of interest.

CAREERS

Graduates of the program can expect to find employment in a large range of organisations including:

- CSIRO
- Government and private sector
- Herbaria
- Museums
- Private companies
- Universities
- Emerging Climate Change enterprises as research scientists, science journalists, teachers, technical support staff

BACHELOR OF SCIENCE (EVOLUTIONARY BIOLOGY) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Geology
	Non-core courses chosen from the areas of Chemistry, Mathematics, Statistics
LEVEL II	Core Evolutionary Biology courses (determined by major study are chosen for Level III) in the areas of: Botany, Ecology, Evolutionary Biology, Genetics, Sedimentary Geology, Zoology
	Core Evolutionary Biology majors in: Systematics and Molecular Evolution <i>or</i> Palaeontology
LEVEL III	Core courses in the areas of: Australian Biota: Past, Present and Future; Environmental Geoscience Applications; Evolution and Palaeobiology; Genetics; Issues in Evolutionary Biology
	Core Evolutionary Biology majors in: Systematics and Molecular Evolution <i>or</i> Palaeontology
	Non-core courses chosen from a range of science offerings



BACHELOR OF SCIENCE (HIGH PERFORMANCE COMPUTATIONAL PHYSICS) (HONOURS)

SATAC Code: 324171

Duration: 4 yrs full-time

HESS Group: General

2009 TER/IB: 92.45/32

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Prerequisite: SACE Stage 2 Maths Studies, Specialist Maths, Physics

This program introduces students to the sophisticated high performance computing techniques required for the solution of cutting-edge problems in theoretical, computational and mathematical physics. Students will be able to develop skills to program parallel supercomputers using state of the art computer

language and gain the mathematical and computational skills necessary to solve challenging problems at the forefront of physics.

The program consists of core studies in physics, mathematics and computing science with an electrical engineering option in first year. Second year develops these areas of study further, with a focus on physics and applied mathematics, while third year involves advanced courses in physics. Students undertake the final year Honours program in theoretical physics which includes a research project plus specialised courses in computer science and mathematics, allowing students to underpin skills in high-performance computing.

CAREERS

Graduates of the program can expect to find employment in:

- Bioinformatics
- Biophysics
- Chemistry
- Defence organisations
- Econophysics
- Engineering
- Geology and geophysics
- Government organisations
- Industry and financial organisations
- Oil and gas exploration
- Physics
- Plant science
- Universities
- Water resources

BACHELOR OF SCIENCE (HIGH PERFORMANCE COMPUTATIONAL PHYSICS) (HONOURS) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Computer Science, Mathematics, Physics
	Non-core course chosen from: Chemistry, Electrical Engineering, Scientific Computing
LEVEL II	Core courses in the areas of: Physics and Mathematics
	Selected courses from: Physics, Mathematics and Computer Science
LEVEL III	Core courses in the areas of: Advanced Dynamics and Relativity, Computational Physics, Electromagnetism, Quantum Mechanics, Statistical Mechanics
	Selected courses from: Computer Science, Mathematics, Physics
LEVEL IV	Core courses: Honours Physics or Honours Mathematical Physics

BACHELOR OF SCIENCE (MARINE BIOLOGY)

SATAC Code: 324431

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 80.35/27

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Assumed Knowledge: SACE Stage 2 Chemistry, Maths Studies

This program is all about the largest and most diverse ecosystem on the planet - the sea. It is strange that our planet is named 'Earth' when most of it is 'sea', and stranger that many graduates train in tropical seas when the bulk of jobs are in temperate (Antarctic to sub-tropical) seas.

Most of Australia's population lives on temperate coasts. For this reason we prepare graduates for work on these coasts by demonstrating the problems and needs facing marine industry and conservation.

The program provides access to staff with national and international acclaim for research excellence, with a strong emphasis on giving students field experience. Students use the same equipment that is used in pioneering research across the northern and southern hemispheres.

This program prepares students for careers in marine biology via training in use of coherent, logical procedures and rigorous experimental planning for practical work in the field and laboratory. There is demand for people with these skills in temperate marine biology.

CAREERS

Graduates of the program can expect to find employment in:

- Conservation groups
- Consultancy firms
- Councils
- Environmental protection agencies
- State governments
- University research laboratories
- Water authorities

Employment duties may include:

- Collecting data and resources by SCUBA and boats
- Managing fisheries and coastal planning
- Monitoring climate change and water quality
- Policy formation and creating marine protected areas

BACHELOR OF SCIENCE (MARINE BIOLOGY) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Ecological Issues, Geology, Statistical Practice
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Ecology, Sedimentary Geology, Zoology
	Non-core courses chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Concepts in Ecology, Frontiers in Marine Biology, Marine Ecology, Research Methods in Environmental and Marine Biology
	Elective courses such as coastal management and GIS for environmental management

BACHELOR OF SCIENCE (MINERAL GEOSCIENCE)

SATAC Code: 324551

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 81.40/28

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Prerequisite: Two SACE Stage 2 science subjects chosen from Biology, Chemistry, Geology, Maths Methods, Maths Studies, Specialist Maths, (only 1 Maths subject maybe counted), Physics, Psychology

Assumed Knowledge: SACE Stage 2 Chemistry, Maths Studies, Physics

This program is for students interested in the areas of science that relate to our Earth's mineral resources - their nature, origin, distribution, discovery and exploitation. If students want an interesting, well-paid and diverse career, with the opportunities to travel to all parts of the world, then this is the program.

The Bachelor of Science (Mineral Geoscience) integrates and extends courses in geology and geophysics, mining engineering, geography and environmental studies, chemistry, mathematics and physics. Key features of this program are extensive fieldwork and an incorporated research project. The need for skilled professionals in the geoscientific area has been well documented in the media. The program is specifically designed to meet the need for high-calibre graduates in the mineral resources sector.

In addition, this program is strongly geared towards preparing students for entry into the Honours degree in Geology.

CAREERS

Graduates of the program can expect to find employment in:

- Computer imaging
- Environmental geoscience industries
- Geology or geophysics
- Geothermal exploration industries
- Government agencies
- Mineral exploration industries worldwide
- Remote sensing

BACHELOR OF SCIENCE (MINERAL GEOSCIENCE) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Earth's Interior, Earth Systems, Mathematics, Mining Engineering, Physics, Statistical Practice
	Non-core course chosen from Chemistry, Physics and a range of other science offerings
LEVEL II	Core courses in the areas of: Economic and Mine Geology, Environmental Impact Assessment, Igneous and Metamorphic Geology, Landscape Processes and Environments, Resource Scarcity and Allocation, Structural and Sedimentary Geology
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Geophysics, Igneous and Metamorphic Geology Mineral Exploration, Tectonics
	Non-core course chosen from a range of science offerings

BACHELOR OF SCIENCE (MOLECULAR AND DRUG DESIGN)

SATAC Code: 324161

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 79.15/27

2010 International TER/IB: 80.00/27

2010 International Fee: \$ 23100 p/a

Prerequisite: SACE Stage 2 Chemistry and one other SACE Stage 2 subject chosen from Biology, Geology, Maths Methods, Maths Studies, Specialist Maths, Physics, Psychology

Assumed Knowledge: SACE Stage 2 Maths Studies, Physics

Rapid advances are currently being made in new areas of science such as structure-based drug design, proteomics, and pharmaco-genetics. Now that the mapping of the human genome has been completed, characterising the function of every protein encoded in the human genome is the next challenge. Students will gain an understanding of how these proteins work, and how their function can be influenced and this knowledge will place graduates at the forefront of this innovative field. The investigation of protein-protein and small molecule-protein interactions has become a significant area of research which promises to provide new approaches to the development of safe and effective drugs to treat a range of human diseases.

This program consists of core training in chemistry and biochemistry that will provide students with expertise in understanding how proteins interact with each other

and with other small molecules, such as enzyme inhibitors and pharmaceuticals (drugs). A number of case studies will be considered to help understand the process of drug development within the pharmaceutical industry. A focus of the program is to develop an understanding of the molecular aspects of these processes. Students will develop an advanced understanding of chemical synthesis and areas of chemistry that impact on biological systems.

CAREERS

Graduates of the program can expect to find employment in:

- Biotechnology
- Medical research
- Pharmaceutical industries
- Universities

BACHELOR OF SCIENCE (MOLECULAR AND DRUG DESIGN) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Chemistry, Statistical Practice
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Biochemistry, Chemistry
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Advanced Synthetic Methods, Chemistry, Medicinal and Biological Chemistry, Molecular and Structural Biology
	Non-core course chosen from a range of science offerings

BACHELOR OF SCIENCE (MOLECULAR BIOLOGY)

SATAC Code: 314561

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 86.15/30

2010 International TER/IB: 80.00/27

2010 International Fee: \$23100 p/a

Prerequisite: SACE Stage 2 Chemistry and one other SACE Stage 2 subject chosen from Biology, Geology, Maths Methods, Maths Studies, Specialist Maths, Physics, or Psychology

Assumed Knowledge: SACE Stage 2 Maths Studies, Physics

Molecular Biology explores the fundamental processes of life at the molecular level. It is applied to the synthesis, regulation and function of important genes, proteins and related biological molecules, and also to the synthesis and manipulation of genes both in the test-tube and in living organisms. This program involves core training in the disciplines of biochemistry, chemistry and genetics. Students are also given the flexibility to supplement this core with other science courses of their choice.

A strength of the program is the inclusion of cross disciplinary tutorials from academic staff in the Faculty, as well as tutoring sessions by guest presenters from government funded research centres of excellence, biotechnology companies and hospitals. In later years

ample opportunities exist to participate in research projects alongside established scientists in laboratories from the disciplines of biochemistry, chemistry, genetics, microbiology and immunology.

CAREERS

Graduates of the program can expect to find employment in:

- Forensic science
- Hospitals
- Medical laboratories
- Research institutes
- Teaching
- Universities

BACHELOR OF SCIENCE (MOLECULAR BIOLOGY) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Chemistry
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Advanced Molecular Biology, Chemistry, Genetics
	Two Level II Molecular Biology courses chosen from: Biochemistry, Chemistry, Genetics
	Non-core course chosen from a range of science offerings
LEVEL III	One of: Biochemistry, Genetics
	Non-core course chosen from a range of science offerings

BACHELOR OF SCIENCE (NANOSCIENCE AND MATERIALS)

SATAC Code: 324291

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 90.95/31

2010 International TER/IB: 80.00/27

2010 International Fee: \$23100 p/a

Prerequisite: SACE Stage 2 Chemistry and one other SACE Stage 2 subject chosen from Biology, Geology, Maths Methods, Maths Studies, Specialist Maths, Physics, or Psychology

Assumed Knowledge: SACE Stage 2 Maths Studies, Physics

Nanoscience is an emerging area of science that involves the study of materials on an ultra-small scale and the novel properties that these materials

demonstrate. This program provides a fundamental and practical understanding of chemistry, enhanced by specialist knowledge of the underlying nanoscience controlling the design and application of functional materials. The program will cover a wide range of contemporary nanoscience issues including the design of molecular devices with application in the food industry, human and animal health (e.g. drug delivery), communications and chemical industries.

At first year level, students receive core training in chemistry and physics with optional courses chosen from offerings such as biology and maths. In later years there is an emphasis on examining and quantifying the relationship between chemistry and functional materials. Students will develop an understanding of the design requirements for a range of advanced materials such as polymers, catalysts, optical switches, sensors and solar cells. Students can develop advanced expertise

in a wide range of related disciplines, depending upon study choices in second year. A feature of third year chemistry studies is that students will undertake investigative and research activities into contemporary issues in nanoscience and functional materials.

CAREERS

Research and various industries based on molecular biology including pharmaceutical biotechnology and agricultural production industries. Employment options include:

- Forensic science
- Hospitals
- Medical laboratories
- Research institutes
- Teaching
- Universities

BACHELOR OF SCIENCE (NANOSCIENCE & MATERIALS) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Chemistry, Physics
	Non-core courses chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Environmental and Analytical Chemistry, Chemistry, Medicinal and Biological Chemistry
	Non-core courses chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Advanced Synthetic Methods, Chemistry, Heterocyclic Chemistry and Molecular Devices, Materials Chemistry,
	Non-core courses chosen from a range of science offerings

BACHELOR OF SCIENCE (NATURAL RESOURCES)

SATAC Code: 324471

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 80.35/27

2010 International TER/IB: 80.00/27

2010 International Fee: \$23100 p/a

Assumed Knowledge: SACE Stage 2 Chemistry, Maths Studies

Students interested in helping to save the planet should consider this program, which provides an understanding of how science relates to the sustainable use of the environment in a uniquely Australian context. Students learn about the systems and processes

associated with the ecological management of the natural resources of land, soil and water and will have the opportunity to develop skills in surveying resources, integrated resource planning and monitoring, re-vegetation and landscape restoration.

Students will develop communication and social skills that will enable them to work effectively in the interface between rural and environmental groups/agencies in roles such as change implementation, liaison and conflict resolution.

The program provides students with the opportunity to specialise in a particular discipline area while simultaneously acquiring a broad education in the natural resource sciences. Practicals and fieldwork are a key feature of the program.

CAREERS

Graduates of the program can expect to find employment as:

- Ecologists
- Environmental consultants
- Landcare coordinators
- Pastoral land management planners
- Policy officer in local or state governments
- Rangelands research officers
- Scientific officers
- Water planning officers

BACHELOR OF SCIENCE (NATURAL RESOURCES) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Biology, Ecological Issues, Geology, Statistical Practice
	Non-core courses chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Botany, Ecology, Sedimentary and Geology, Soil and Water Resources, Spatial Information and Land Evaluation
	Non-core courses chosen from a range of science offerings
LEVEL III	Core courses in the areas of: GIS for Agricultural Sciences, GIS for Environmental Management, Issues in Sustainable Environments, Principles and Practice of Communications
	Non-core courses in: Conservation and Wildlife Ecology, Environmental Geoscience, Land and Water Management

BACHELOR OF SCIENCE (OPTICS AND PHOTONICS)

SATAC Code: 324091

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 85.25/30

2010 International TER/IB: 80.00/27

2010 International Fee: \$23100 p/a

Prerequisite: SACE Stage 2 Maths Studies, Specialist Maths, Physics

Optics and Photonics involve the study of the physical properties of light and the application of laser light. Optics and Photonics underlie diverse fields, ranging from fundamental research in physics to engineering, environmental studies, chemistry, biology and medicine. Graduates can expect to

find employment in the local optics, photonics and defence industries, in education or in research organisations with any industry or program requiring a physics qualification. Students undertaking this program will have direct exposure to internationally recognised academic and industry based experts who perform fundamental research in optics and photonics.

The program consists of core theory and laboratory training in physics, with emphasis on electromagnetic radiation, optics, quantum mechanics and lasers. Students are able to supplement this core with a range of courses including mathematics, computing and electrical engineering. A key feature of the program is the inclusion of cross-disciplinary tutorials from academic staff as well as tutoring sessions by guest presenters from photonics and defence industries. This direct exposure provides

the opportunity for mentoring relationships to be formed, which enhances student participation in research projects alongside established scientists in industry and physics discipline laboratories.

CAREERS

Graduates of the program can expect to find employment in:

- Communications
- Defence organisations
- Laser industry
- Remote and advanced optical sensing of the environment
- Research organisations (CSIRO, Bureau of Meteorology, Antarctic Division)
- Universities

BACHELOR OF SCIENCE (OPTICS & PHOTONICS) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Mathematics, Physics
	Recommended courses chosen from: Chemistry, Computer Science, Electrical Engineering, Scientific Computing
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Physics and Mathematics
	Recommended courses chosen from: Chemistry, Electrical Engineering, Physics
	Non-core course chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Electromagnetism, Experimental Physics, Optics and Photonics, Quantum Mechanics, Statistical Mechanics
	Recommended courses chosen from: Computer Science, Engineering, Mathematics, Physics, Statistics

BACHELOR OF SCIENCE (PETROLEUM GEOSCIENCE)

SATAC Code: 324321

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 84.40/30

2010 International TER/IB: 80.00/27

2010 International Fee: \$23100 p/a

Prerequisite: SACE Stage 2 Maths Studies plus either Chemistry or Physics

Geoscience is at the heart of all modern natural resource industries, not only in their exploration phase, but also in their development and management practices.

This program provides students with a coherent understanding of the areas of science that relate to the Earth's petroleum resources including their nature, origin, distribution, discovery and exploitation.

Students gain the ability to communicate with a diverse array of people and will have an understanding of the geological and technological complexity of the petroleum systems with which they are working.

Graduates are highly sought after, with great career opportunities in petroleum exploration industries in Australia and around the world.

CAREERS

Graduates can expect to find employment in:

- Consulting companies
- CSIRO and other research agencies
- Petroleum companies
- State and national geological surveys

BACHELOR OF SCIENCE (PETROLEUM GEOSCIENCE) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Geology, Mathematics
	Recommended courses chosen from: Chemistry, Physics
	Non-core course chosen from a range of science offerings
LEVEL II	Core courses in the areas of: Geology, Petroleum Engineering
	Recommended courses chosen from: Chemistry, Mathematics, Petroleum Engineering
LEVEL III	Core courses in the areas of: Geology, Petroleum Engineering, Soil and Water

BACHELOR OF SCIENCE (PRE-VETERINARY)

SATAC Code: 324491

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 94.80/34

2010 International TER/IB: 90.00/31

2010 International Fee: \$40000p/a

Campus: Roseworthy, North Terrace

Prerequisite: SACE Stage 2 Chemistry, Maths Studies

Assumed Knowledge: SACE Stage 2 Physics

This Bachelor program forms the first part of the veterinary science program. It is followed by a 3-year postgraduate Veterinary Science program, focussing on the clinical skills required for veterinary practice. Students satisfactorily completing the degree will gain direct entry into the postgraduate program.

Veterinary Science at the University of Adelaide will have a unique focus on Australian livestock production, equine health, aquaculture and biosecurity and involve input from a range of partner institutions, government agencies and industry. Following accreditation, students completing the 6-year program will be eligible for registration as Veterinarians.

Level I involves studies at both the North Terrace and Roseworthy Campuses, while the rest of the program will be based at Roseworthy Campus.

CAREERS

Graduates of the program can expect to find employment as veterinarians in private and public veterinary practices. Additional career options include:

- Pharmaceutical research and development
- Research and diagnostics
- Specialist training, eg, surgery or pathology
- Zoological parks

BACHELOR OF SCIENCE (PRE-VETERINARY) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Animal Behaviour, Biology, Chemistry, Perspectives in Animal Science, Physics, Statistics, Welfare and Ethics
LEVEL II	Core courses in the areas of: Animal Breeding and Genetics, Animal Form and Function, Animal Nutrition and Metabolism, Biochemistry, Veterinary Skills
	Core courses in the areas of: Animal Form and Function, Veterinary Pathobiology and Skills

BACHELOR OF SCIENCE (SPACE SCIENCE AND ASTROPHYSICS)

SATAC Code: 324101

Duration: 3 yrs full-time

HESS Group: General

2009 TER/IB: 88.80/31

2010 International TER/IB: 80.00/27

2010 International Fee: \$23100 p/a

Prerequisite: SACE Stage 2 Maths Studies, Specialist Maths, Physics

Space Science and Astrophysics explores our universe from the upper atmosphere of the earth to the most distant regions. This underpins much of the academic

and technological research into astronomy, studies of the solar system and the practical use of space. It is important in improving our knowledge of the universe as a whole, and in enabling us to understand the environment within which space vehicles and planet earth must operate. The program consists of core training in the disciplines of astronomy and space science, with a strong emphasis on physics. Students are given the flexibility to supplement this core with their choice of other science, geoscience, and mathematically based work and students will have direct exposure to professionals in the fields of space science and astrophysics, which enables them to form professional mentoring relationships.

There are also opportunities to take part in project work with established scientists in the field.

CAREERS

Graduates of the program can expect to find employment in space and astrophysical research, as well as physics, including high technology research and development through:

- Defence agencies
- Government (Bureau of Meteorology)
- National space agencies
- Research institutes
- Universities

BACHELOR OF SCIENCE (SPACE SCIENCE & ASTROPHYSICS) - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Mathematics, Physics
	Non-core courses chosen from a range of science offerings
LEVEL II	Core courses in the areas: Mathematics, Physics
	Recommended courses chosen from Mathematics, Physics
	Non-core courses chosen from a range of science offerings
LEVEL III	Core courses in the areas of: Astrophysics, Atmospheric Physics, Electromagnetism, Experimental Physics, Quantum Mechanics, Statistical Mechanics
	Recommended courses chosen from disciplines of Engineering, Geology and Geophysics, Mathematics and Physics

BACHELOR OF VITICULTURE & OENOLOGY

SATAC Code: 324181

Duration: 4 yrs full-time

HESS Group: General

2009 TER/IB: 71.75/25

2010 International TER/IB: 80.00/27

2010 International Fee: \$22000 p/a

Campus: North Terrace, Waite

Assumed Knowledge: SACE Stage 2 Chemistry, Maths Studies

PROGRAM OUTLINE

The Bachelor of Viticulture and Oenology incorporates courses in viticulture and oenology. Students completing this four year degree will qualify as both a viticulturalist and winemaker (Oenologist).

PROGRAM STRUCTURE

The first year level teaches both basic sciences and foundations of wine science at the North Terrace campus and the National wine Centre. In the second and third year levels the emphasis is on the scientific and technological aspects of winemaking and viticulture, with courses taught in the winery at the Waite Campus. In fourth year students will have the opportunity to complete an industry experience

placement in either viticulture and/or oenology to enhance personal and career objectives. The program also accommodates a fourth-year Honours stream for those interested in further wine science related research opportunities.

CAREERS

Graduates of the program can expect to find employment in wine and related industries, directing and developing winemaking and viticultural practices including:

- Food & beverage technology
- Hospitality & tourism
- Viticultural management
- Winemaking & winery management

BACHELOR OF SCIENCE VITICULTURE AND OENOLOGY - INDICATIVE STUDY PLAN

LEVEL I	Core courses in: Biology, Chemistry, Earth's Environment, Foundations in Wine Science, Physics, Statistical Practice
LEVEL II	Animal and Plant Biochemistry, Botany, Genes and Inheritance, Introductory Winemaking, Microbiology for Viticulture and Oenology, Sensory Studies, Soil and Water Resources, Viticultural Science
LEVEL III	Core courses in: Cellar and Winery Waste Management, Distillation, Fortified and Sparkling Winemaking, Engineering for Viticulture and Oenology, Plant Health, Stabilisation and Clarification, Viticultural Methods and Procedures, Viticultural Production, winemaking at Vintage and Fermentation Technology
LEVEL IV	Core courses in: Advances in Wine Science, Grape Industry Practice, Policy and Communication, Industry Experience (Viticulture and Oenology), Wine Packaging and Quality Management Choice of electives (related to Agribusiness, Environmental Biology, French, Languages, Plant Science, Soil and Water, Viticulture, and Wine Marketing) or Honours Research Project



Corrina Rayment Bachelor of Agricultural Science (Oenology)

■ Now available through the Bachelor of Viticulture and Oenology



During her degree Corrina took advantage of the Study Abroad program and completed one year of her degree at the University of California. It was a highlight of her degree.

“I HAVE UTILISED THE KNOWLEDGE THAT I GAINED FROM THAT EXPERIENCE A MYRIAD OF TIMES.”

Corrina has applied skills she learned during her wine making degree at the University of Adelaide to turn her family's vineyard in McLaren Vale into their own wine label. “Now we don't just grow grapes for other wineries, but we make them into our own wine brand as well.”

BACHELOR OF WINE MARKETING/BACHELOR OF WINE MARKETING (EXTERNAL)

Internal: SATAC Code: 314621

Duration: 3 yrs full-time

HESS Group: Restricted

2009 TER/IB: 69.10/24

2010 International TER/IB: 70.00/25

2010 International Fee: \$24150 p/a

Campus: North Terrace, Waite

External: SATAC Code: 314625

Duration: 3 yrs full-time

HESS Group: Restricted

2009 TER/IB: 74.20/25

The program advances knowledge of wine markets, wine consumers and the value chain for wine. Students develop skills to turn this knowledge into decisions and actions that produce results in the marketplace, and to function in an exciting and fast changing environment by recognising and exploiting developing trends. Graduates are prepared for careers in marketing or business management in the wine industry, or related industries such as tourism, food and hospitality.

The program establishes a solid business and marketing foundation but in addition caters for the particular demands of the global wine trade, and the unique features of wine industries and wine as a product: including distinctive consumer behaviour and marketing channels, peculiar legal requirements, and a product which requires

specialised knowledge to market.

Students may elect to undertake the Bachelor program in the external mode. Credit transfer arrangements are in place for students upgrading from the Diploma in Wine Marketing.

CAREERS

Graduates of this program can expect to find employment in:

- Event management
- General winery business management
- Marketing management
- Market research or consulting
- Wine brand and product management
- Wine sales management
- Wine tourism management

BACHELOR OF WINE MARKETING - INDICATIVE STUDY PLAN

LEVEL I	Core courses in the areas of: Accounting, Business Data Analysis, Commercial Law, Introductory Grape and Wine Knowledge, Macroeconomics, Microeconomics, Vineyard and Winery Operations, Wine and Food Marketing Principles
LEVEL II	Core courses in the areas of: Applied Management Science, Applied Marketing Research, International Marketing of Wine and Agricultural Products, Introduction to Business Management, Vineyard and Winery Operations Non-core courses chosen from: Agribusiness, Finance, Marketing, Wine Marketing
LEVEL III	Core courses in the areas of: Global Wine Market, Winery Business Management, Wine and Food Tourism, Festivals, Wine, Retail and Distribution Management Non-core courses chosen from: Economics, Finance, Marketing, Wine Marketing

DIPLOMA IN WINE MARKETING

SATAC Code: 316077

Duration: 4 yrs full-time

HESS Group: Restricted

2009 TER/IB: 77.85/26

Teaching Mode: External only

The Diploma is essentially the first two years of the Bachelor of Wine Marketing program, and articulates into that program (see entry above for details).

CAREERS

Graduates of this program can expect to find employment in:

- Event management
- General winery business management
- Marketing management
- Wine brand and product management
- Wine sales management
- Wine tourism management



BACHELOR OF ARTS/BACHELOR OF SCIENCE

SATAC Code: 324021 **Duration:** 4 yrs full-time **HESS Group:** General **2009 TER/IB:** 68.10/24 **2010 International TER/IB:** 71.00/25

2010 International Fee: \$23100 p/a **Prerequisite:** as for BSc

Students wishing to obtain qualifications in both humanities/social sciences and science may undertake studies in a program that can be completed in 4 years. Students will acquire a range of skills in critical thinking, analytical methods, scientific communication and information technology, as well as developing a deep understanding of at least one science discipline. A keen awareness of the social (historical, political, cultural and economic) context in which they operate will be developed through studies in humanities and social sciences. This program is administered by the Faculty of Humanities & Social Sciences - see the Humanities & Social Sciences Program Information Leaflet for further details.

BACHELOR OF ENGINEERING (CHEMICAL)/BACHELOR OF SCIENCE (BIOTECHNOLOGY)

SATAC Code: 314871/stream 239 **Duration:** 5 yrs full-time **HESS Group:** General **2009 TER/IB:** 80.00/27 **2010 International TER/IB:** 80.00/27

2010 International Fee: \$25000 p/a **Prerequisite:** Maths Studies, Physics, plus Chemistry or Specialist Maths

Students who wish to obtain qualifications in both engineering and biotechnology may combine their studies in a program that can be completed in 5 years. This program is administered by the Faculty of Engineering, Computer and Mathematical Sciences - see the Engineering Program Information Leaflet for further details.

BACHELOR OF ENGINEERING/BACHELOR OF SCIENCE

SATAC Codes/ 2009 TER/IB: see *Engineering Program Information Leaflet* for details **Duration:** 5 yrs full-time **HESS Group:** General

2010 International TER/IB: 80.00/27 **2010 International Fee:** \$25000 p/a

Students who wish to obtain qualifications in engineering and science may combine their studies in a variety of programs. A combined program will give students the opportunity to develop skills and knowledge in the sciences that underlie engineering courses. This program is available with Aerospace, Chemical, Civil and Environmental, Civil and Structural, Electrical and Electronic, Mechanical, and Petroleum Engineering. Please contact the Faculty of Engineering, Computer and Mathematical Sciences for further details. Students should consult the Faculty of Sciences for details of specialist science programs that may be combined with engineering programs.

BACHELOR OF SCIENCE/DIPLOMA IN LANGUAGES

Duration: 4 yrs full-time

Students who wish to combine a major in a language taken at successive year levels with their science program may enrol jointly in the Diploma of Languages. Please consult the Faculty of Humanities and Social Sciences for further details.

BACHELOR OF SCIENCE/BACHELOR OF LAWS

SATAC Code: 324111/stream 113 **Duration:** 5 yrs full-time **HESS Group:** General **2009 TER/IB:** 95.05/34 **2010 International TER/IB:** 85.00/30

2010 International Fee: \$23100 - \$24150p/a **Prerequisite:** as for BSc

This program is for students wishing to combine studies in the sciences and law. It is possible to complete the requirements of both programs in a total of five years of full-time study with some overload.

BACHELOR OF SCIENCE/BACHELOR OF TEACHING

SATAC Code: 324381 **Duration:** 4 yrs full-time **HESS Group:** General **2009 TER/IB:** 75.05/25 **2010 International TER/IB:** 75.00/25

2010 International Fee: \$23100 p/a **Prerequisite:** as for BSc

Students wishing to combine studies in sciences with a teaching qualification should apply for the Bachelor of Teaching through SATAC. Please consult the School of Education for further details.

INTERNATIONAL BACCALAUREATE

The Faculty of Sciences allows some exemption from components of biology, chemistry, physics and mathematics for scores of 6 and 7 in higher-level studies undertaken in the International Baccalaureate. A maximum of 6 units of credit may be granted.

STUDENT SUPPORT

The Faculty of Sciences has established a range of activities to assist students with their transition from school into university life and into the work environment. These include: academic course advisers to help students plan their programs and achieve their goals; and orientation activities to introduce students to university life.

ESSENTIAL INFORMATION FOR PROSPECTIVE STUDENTS

ENTRY REQUIREMENTS

School Leavers/Applicants with Year 12 Qualifications

Applicants must:

- qualify for the South Australian Certificate of Education (SACE) or recognised equivalent
- obtain a Recorded Achievement in at least five SACE Stage 2 subjects in a maximum of three attempts (which need not be in consecutive years); or for non-SACE Year 12 qualifications, meet all award requirements
- Include among their five SACE Stage 2 subjects at least four Higher Education Selection Subjects (HESS). The program chosen will determine whether these HESS all need to be in the General category or whether they can be from the General and/or Restricted category. Each program in this pamphlet lists the HESS Group to which it belongs.

A HESS is a SACE Stage 2 subject designated by the University as acceptable for admission purposes:

General: At least four of the subjects need to be classed as HESS General. The fifth subject just needs to contribute to a student's SACE.

Restricted: Four of the subjects can be either General or Restricted. The fifth subject just needs to contribute to a student's SACE.

Note: Year 12 results are acceptable regardless of the date undertaken.

Prerequisites and Assumed Knowledge

Applicants must have a Subject Achievement Score in the range 10-20 in SACE Stage 2 subjects prescribed as prerequisites. Prerequisites are an essential requirement for entry into specified academic programs, whereas Assumed Knowledge is a recommendation only.

Previous University Study

Applicants (except for MBBS) who have completed at least half a year of higher education study may be considered on the basis of their tertiary academic record and/or Year 12 results.

VET Qualifications

Successful completion of VET AQF diploma awards meet the minimum entry requirements for most Bachelor degree programs (for more information, visit: www.adelaide.edu.au/student/admission).

Admission to University diploma programs and some Bachelor degrees is possible on the basis of completed VET AQF Certificate IV awards. Visit your faculty/school website (see below) for more specific information on entry and provision of status for prior study.

ALTERNATIVE ENTRY SCHEMES*

The Special Entry Scheme caters for applicants who are 21 years of age or over (by 1 January of the year in which they wish to study)[†] and who do not meet standard entry requirements for other sub quotas. Intending applicants should obtain a copy of the *Non School Leavers* booklet from the Student Centre before lodging a SATAC application.

Indigenous Access

Places are also available under the Aboriginal and Torres Strait Islander Access Scheme.

For further information please contact Wilto Yerlo, Centre for Australian Indigenous Research & Studies - **T:** (freecall) 1800 651 673 **E:** daniel.turner@adelaide.edu.au

* Applicants should note prerequisite/assumed knowledge statements for some academic programs.

[†] The age restriction is 19 years for those who have completed either the Flinders or UniSA Foundation Studies program or the UniSA Program for Adult Learners.

OVERSEAS QUALIFICATIONS

Overseas Year 12 and tertiary qualifications are assessed as a part of the normal processing of applications by SATAC.

DEFERMENT

All programs listed in this Program Information Leaflet may be deferred for one year. See the *SATAC University Guide* for more detailed information.

FEES AND CHARGES

In 2009 student contributions for Commonwealth supported students are:

Band 1 Humanities, Language, Music, Social Sciences	\$5201
Band 2 Agriculture, Design Studies, Computing, Health, Engineering	\$7412
Band 3 Commerce, Dentistry, Economics, Law, Medicine, Veterinary Science	\$8677
National Priorities Education, Mathematics, Nursing, Science	\$4162

Note: These fees are indicative only as actual charges are determined at the course/subject level based on the area of teaching. Fees listed are based on a student enrolled in a full time study load. Fees may increase in 2010.

HECS HIGHER EDUCATION LOAN PROGRAM (HECS-HELP)

HECS-HELP is a loan that helps eligible Commonwealth supported students to pay their student contribution.

Further information on Commonwealth Support and HECS-HELP is available at: www.goingtouni.gov.au

ADDITIONAL COSTS

Students may be required to provide specialist equipment/reading materials. Students are advised not to purchase any equipment until they receive their faculty/school handbook, available during Orientation Week.

APPLICATION PROCEDURES

Applications for admission are coordinated by the South Australian Tertiary Admission Centre (SATAC). Information is available from:

SATAC, 104 Frome Street, Adelaide SA 5000. Telephone: (08) 8224 4000

Closing dates for undergraduate programs for 2010:

Standard Entry	30 September 2009
Special Entry (STAT) test	30 October 2009

Late closing dates for 2010 (late fee charged):

Standard Entry	5 December 2009
Special Entry (STAT)	See SATAC Guide

Application Procedures for International Students

International students studying Year 12 in Australia should contact SATAC for information on application procedures. International students other than Year 12 students should submit any application through the University's International Office.

FURTHER INFORMATION

On application procedures, accommodation, fees and student services visit: www.adelaide.edu.au/student/future

On entry requirements visit: www.adelaide.edu.au/student/admission

On scholarships visit: www.adelaide.edu.au/stscholarships

The Student Centre serves as the first point of contact for all general and program enquiries. Our friendly and skilled staff will provide relevant information or put you in contact with Faculty staff for their expert advice.

The Student Centre

University of Adelaide, South Australia 5005

T: (08) 8303 7335

F: (08) 8303 4401

W: www.adelaide.edu.au/studentcentre/enquiries/

Freecall Hotline for country/interstate callers: 1800 061 459

DISCLAIMER

With an aim to continual improvement, the University of Adelaide is committed to regular reviews of the courses and programs it offers to students. As a result of this, the specific courses available to students may vary from year to year.

Updated information on the programs of study for specific certificates/diplomas/degrees and the courses available can be found at the following website: www.adelaide.edu.au/programs

The University of Adelaide assumes no responsibility for the accuracy of information provided by third parties.

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