Deakin Open Day

If you missed Open Day at Warrnambool and Geelong, it's not too late. You can visit us at Melbourne and see 'innovation in the making'.

Melbourne Burwood Campus
Sunday 27 August
9.00–3.00pm
221 Burwood Highway, Burwood

New Courses

Business

Bachelor of Commerce – new major

Deakin is launching a brand-new food and agribusiness major as part of the Bachelor of Commerce, available at the Warrnambool Campus. Students can enrol in 2018 and specialise from 2019.

There is a clear demand for tertiary-qualified graduates to fill a variety of business and management roles in food, fibre and agribusiness. Government data points to over 178 000 businesses in the sector and a gross value-added of $53.8 billion. Find out more at **businessnewsroom.deakin.edu.au/ articles/qualified-agribusiness-graduates-are-in-big-demand**.

Engineering

Bachelor of Environmental Engineering (Honours)

The Bachelor of Environmental Engineering (Honours) will be available from Trimester 1, 2018 at the Geelong Waurn Ponds Campus. This course emphasises the practical application of engineering and scientific principles to produce industry-ready environmental engineers who are immediately employable and capable of adapting to an ever-changing future. Environmental engineers develop practical engineering applications that protect our environment. Students gain a breadth of knowledge across the environmental engineering discipline and the technical skills to develop sustainable engineering solutions to the challenges they face in this field. Find out more at **deakin.edu.au/ study-environmental-engineering**.

Media, Communication and Creative Arts

Bachelor of Design (3D Animation)

Bachelor of Design (Digital Technologies)

Bachelor of Design (Visual Communication)

In all three of our new design courses, students will work with real clients on real briefs, to deliver real outcomes. There are folio entry requirements, however, we are redefining what these look like for the new design courses. We will be running folio information sessions in September.

Geelong Waterfront Campus – September 13
Melbourne Burwood Campus – September 14

Find out more at **deakin.edu.au/courses/ find-a-course/media-communication-and-creative-arts**.

Bachelor of Communication (Advertising)

Offered within the existing suite of Bachelor of Communication courses, the new advertising study area is focused on brand communication. The first year of study looks at both the critical thinking and creative thinking behind advertising, with students able to tailor the later years of the course to suit their area of interest and career aspirations. Students develop skills in: communications strategies for brands; writing content for brands; media strategy; brand communication; and art direction.

Find out more at **deakin.edu.au/courses/ find-a-course/media-communication-and-creative-arts**.

Amended Courses

Allied Health and Health Sciences

Bachelor of Nutrition Science

From 2018, Deakin's Bachelor of Food and Nutrition Sciences will be known as the Bachelor of Nutrition Science. In addition to the name change, there have been some changes to the core units in the degree.

Enrolled students and graduates of this course can apply for membership of the Nutrition Society of Australia. Those who have undertaken the food science major may also be eligible for membership of the Australian Institute of Food Science and Technology.

Find out more at **deakin.edu.au/courses/find-a-course/food-nutrition-and-dietetics**.

Business

Bachelor of Business

The Bachelor of Business replaces the Bachelor of Management in 2018. Rapidly changing workplaces are looking to recruit graduates who are flexible and adaptable, with technical knowledge and skills, as well as soft skills. This course is designed to encourage you to learn through real experiences, which help students to integrate knowledge, consolidate skills, tackle real problems and reflect on the experience to develop their professional identity.

Specialisations

- Event management
- Film and television
- Organisational psychology
- People management
- Project management
- Property and real estate
- Public relations
- Retail management.

Find out more at **deakin.edu.au/course/bachelor-business**.

Engineering

Bachelor of Software Engineering (Honours)

Students who enrol in the Bachelor of Software Engineering (Honours) at the Melbourne Burwood or Cloud campuses from Trimester 1, 2018, will still complete a core professional industry experience unit as part of the course, however, the length of the placement is now a minimum of 60 days with an approved organisation. This has increased from the previous minimum requirement of 100 hours to provide students with increased opportunities to apply and consolidate their knowledge and build professional networks prior to graduation. Find out more at **deakin.edu.au/course/bachelor-software-engineering-honours**.

Information Technology

Bachelor of Computer Science

The course structure of the Bachelor of Computer Science offered at Melbourne Burwood and Cloud campuses will change from Trimester 1, 2018. All majors will be removed, resulting in 17 core units, including a compulsory industry-based placement unit and six general electives. Through the study of problem-solving, algorithmic thinking, computational patterns, computing technologies and software development techniques, students will be equipped with the skills and competencies needed to design and develop data-driven computing solutions to existing and emerging problems in areas such as data analytics, machine learning, robotics, intelligent systems, autonomous systems, telecommunications and entertainment. Find out more at **deakin.edu.au/courses/find-a-course/information-technology**.

Bachelor of Cyber Security and Bachelor of Criminology/Bachelor of Cyber Security

From Trimester 1, 2018, students enrolled in the Bachelor of Cyber Security or the Bachelor of Criminology/Bachelor of Cyber Security at the Melbourne Burwood, Geelong Waurn Ponds and Cloud campuses will benefit from a compulsory industry-based placement. Students need to complete the minimum 100-hour placement with an approved organisation. This change is to ensure students have relevant industry experience prior to graduation to further enhance their employment opportunities.

Find out more at **deakin.edu.au/courses/find-a-course/information-technology**.

Bachelor of Information Technology

The Bachelor of Information Technology has been revamped to ensure students acquire a core set of information technology (IT) skills that are relevant in almost every industry, including programming, human computer interaction (HCI), user experience (UX) design, constructing IT solutions and entrepreneurial thinking. These changes will come into effect from Trimester 1, 2018, together with the following majors.

Application development `B` `C`

Students gain the knowledge to thrive in this fast-growing field and master skills in planning, developing and managing software projects to build a wide range of profitable web apps, desktop apps, mobile apps and business apps.

Cloud computing `B` `WP`

By undertaking this major, students will learn the concepts and technologies used in cloud computing, including virtualisation, enterprise networks and system security, developing the expertise required to construct software solutions using public and private cloud infrastructure. Students will also complete a study of the Cisco Academy's CCNA Routing and Switching curriculum to learn the skills needed to construct and maintain network infrastructure to effectively support organisational needs in networks and clouds.

Campus Key:
Burwood (Melbourne) `B` – Melbourne Burwood Campus
Waterfront (Geelong) `WF` – Geelong Waterfront Campus
Waurn Ponds (Geelong) `WP` – Geelong Waurn Ponds Campus
Warrnambool `WB` – Warrnambool Campus
Cloud `C` – Cloud Campus

Creative technologies [B] [C]

Computing technologies are integrated seamlessly into products that we use on a daily basis and this trend will accelerate in the future. Creative technologists design these products of the future that creatively and seamlessly combine innovative computing concepts with the needs and opportunities associated with a 21st century lifestyle. This major provides students with the opportunity to combine their creative talents with their technical knowledge.

Game development [B] [C]

Video games are a common activity in today's society. Using the latest games engines, students will learn how to develop game implementations for both entertainment and serious purposes. They will develop video games ranging in complexity from small interactive apps to larger PC and mobile-based systems, applicable for a wide range of audience types.

Cyber security [B] [WP] [C]

Cyber security is a hot topic globally. Doing business and communicating online is central to the society we live in, so it's more important than ever that the data and systems providing digital services are safeguarded. Students will gain knowledge and understanding of challenges faced, and concepts and practices to identify, diagnose and resolve these challenges.

Virtual and augmented reality [B]

Virtual and augmented reality technologies are revolutionising business processes, disrupting the way companies work with complex datasets and enhancing educational and training practices. They contribute to novel therapies and treatments, allow access to opportunities despite physical and geographical restrictions and have redefined the way we represent and interact with digital media whether it be our holiday souvenir snapshots or the latest interactive gaming experience.

Find out more at **deakin.edu.au/ courses/find-a-course/information- technology.**

Renamed Courses

Media, Communication and Creative Arts

The following courses have been renamed.

Bachelor of Film, Television, Animation and Design – previously Bachelor of Creative Arts (Film and Television)

Bachelor of Creative Writing – previously Bachelor of Arts (Professional and Creative Writing)

Find out more at **deakin.edu.au/courses/ find-a-course/media-communication-and- creative-arts.**

Science

Bachelor of Biomedical Science

The new medical genomics major will be offered to students in the Bachelor of Biomedical Science from Trimester 1, 2018 at the Melbourne Burwood and Geelong Waurn Ponds campuses. Students will examine core genomics areas, including medical and human genomics, comparative genomics, microbial and forensic genomics, biotechnology and phylogenomics. Students will also gain a solid understanding of associated methodologies, including Next Generation Sequencing, high throughput genotyping, metagenomics, small RNA and transcriptome analysis. Find out more at **deakin.edu.au/study-biomedical-science**.

Bachelor of Science

From Trimester 1, 2018, the Bachelor of Science will offer a new major in genomics at the Melbourne Burwood and Geelong Waurn Ponds campuses. Genomics is the study of the genetic code of plants, animals and bacteria. This major provides an introduction to the nature of genes and genomes, how they are structured, function and evolve. Students will also learn about DNA sequencing and analysis and how an understanding of genomics relates to human health and wellbeing, the environment, biodiversity management and food production systems. Find out more at **deakin.edu.au/courses/find-a-course/ sciences**.

Entry Requirements Update
Allied Health and Health Sciences

Bachelor of Medical Imaging

The maths prerequisites and subject bonuses for the Bachelor of Medical Imaging have recently changed to include further mathematics. Prerequisite requirements and subject bonuses for this course are now as follows, with changes highlighted in bold.

Prerequisite

Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 25 in one of biology, chemistry or physics; and a study score of at least 22 in one of maths: mathematical methods (any) or maths: specialist mathematics OR a study score of at least 30 in maths: further mathematics.

Subject bonus

A study score of 40 in any English equals three aggregate points per study. A study score of 35 in biology, chemistry, maths: mathematical methods (any), maths: specialist mathematics or physics equals three aggregate points per study. A study score of 35 in any English equals one aggregate point per study. A study score of 30 in biology, chemistry, maths: mathematical methods (any), maths: specialist mathematics or physics equals two aggregate points per study. A study score of 35 in maths: further maths equals one aggregate point per study. A study score of 40 in maths: further maths equals two aggregate points per study. Overall maximum of 12 points.

There is also a new Rural and Remote entry stream for the Bachelor of Medical Imaging to help address the workforce shortage of medical imaging professionals in rural and remote areas of Australia. This entry stream has its own VTAC code and is available to current Year 12 students where the final year of VCE is completed at either: a school in a regional or remote area (as per Australian Standard Geographical Classification – Remote Areas (ASCG-RA); or a school in the city of Greater Geelong. Find out more at **deakin.edu.au/course/ bachelor-medical-imaging**.

Bachelor of Vision Science/Master of Optometry

Optometry at Deakin is committed to training work-ready optometrists to address the workforce shortage in eye-care in regional, rural and remote areas of Australia. To address this shortage, a Regional and Remote Entry Scheme is available to applicants who completed their Year 12 studies in a school located in a regional or remote area or in the City of Greater Geelong. The entry scheme has a separate VTAC code and offers an alternative entry pathway into the Bachelor of Vision Science/ Master of Optometry.

Education

Deakin is proud to be integrating CASPer as a requirement of our admission process. Combined with existing knowledge-based measures (GPA, standardised test scores), CASPer helps programs make more informed and data-driven admission decisions, resulting in stronger, higher quality students and graduates. Find out more at **takecasper.com.**

Accreditation

Sport

Bachelor of Exercise and Sport Science

From 2018, the Bachelor of Exercise and Sport Science will have a new structure and redeveloped subjects to meet the new Exercise and Sport Science Australia (ESSA) national standards. This will see all graduates being eligible for accreditation with ESSA as an Accredited Exercise Scientist (AES). Deakin's course is the longest-standing accredited program of its type in Victoria and the first to gain accreditation with ESSA in 2009.

Major studies to complement learning

Another unique feature of the course is that all students will have the capacity to choose at least one of five discipline majors to complement their accredited degree. These areas are applied sport science, exercise physiology, physical activity and exercise for health, sport coaching, and strength and conditioning. Other majors are also available in areas such as sports nutrition and psychology.

Deakin's Bachelor of Exercise and Sport Science is the only degree of its type in Victoria to offer both a core accredited degree, as well as the choice to study in additional discipline areas, which is such an advantage for students wanting to study and work in sport, and who will ultimately be the next generation of sport scientists. Find out more at **deakin.edu.au/courses/find-a-course/sport/exercise-and-sport-science**.

Cancelled Course

Bachelor of Games Design and Development

The Bachelor of Games Design and Development will be discontinued from Trimester 1, 2018. Students wishing to complete studies in this discipline can still do so by completing the game development major in the Bachelor of Information Technology at the Melbourne Burwood or Cloud campuses. Find out more at **deakin.edu.au/courses/find-a-course/information-technology.**

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