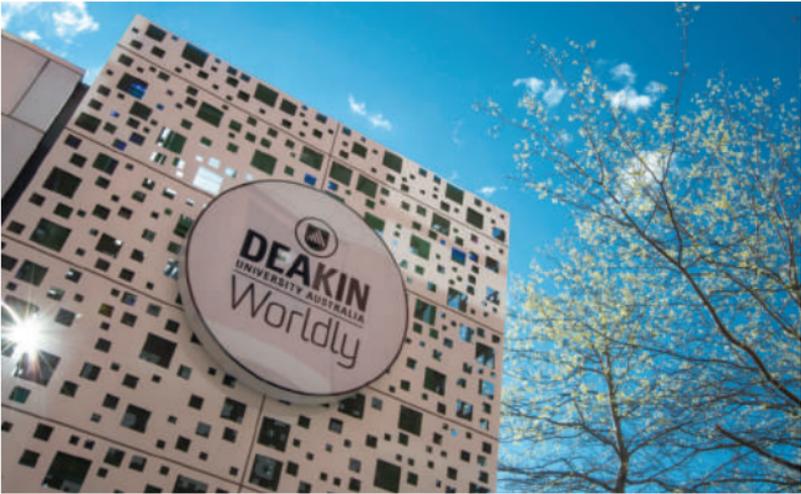


B E (Hons) in Mechanical Engineering Mechatronics Engineering Software Engineering



B E (Hons) in Mechanical Engineering



About Deakin University

Deakin University is a public university in Victoria, Australia. Established in 1974 Deakin University offers high quality education, excellent employment prospects and a rich experience.

Deakin University is proud to be in the top 1% of universities across all of the major international university ranking systems of World Universities (QS) and is ranked among the top 50 young universities in the world. Deakin has also achieved the highest level of student satisfaction amongst Victorian Universities for seven consecutive years (2010 to 2016). It has the reputation for being innovative and visionary, forging new paths both locally and globally. The rankings of the University in teaching, research, industry income and international outlook is steadily increasing year after year and the university attracts students from all over the globe.

As the University move into digital future, the investments in the latest technology, state-of-the-art learning tools and facilities are improved to ensure that the students are equipped with the skills and knowledge required for the jobs of tomorrow.

The University's approach to learning is the emphasis on practical experience and the curriculum is finalized in consultation with the best in industry. Deakin University's

Mechatronics Engineering

Software Engineering

curriculum integrates real-world expertise with practical skills to give the students a competitive edge. The students will also have direct links with prospective employers and a range of career education options through DeakinTalent employment portal.

Students can get involved through more than 150 clubs and societies across all campuses, or make use of the wide range of student services and support

Description of the Program

These are four year degree programs with international exposure. In the first 2 years of study, students will do their courses at PSG in the respective disciplines, the academic curriculum being the same as that of Anna University courses offered by PSG.

The credits obtained in the first 2 years at PSG will be transferred to Deakin University. Students should also pass IELTS with a score



of more than 6 and not less than 6 in each division before they travel to Australia for 3rd year of study. The degree B E (Hons) in the respective disciplines will be awarded by Deakin University after successful completion of the course.

Graduate Outcomes

Bachelor of Mechanical Engineering (Honours)

The Bachelor of Mechanical Engineering (Honours) draws heavily on Deakin's world-class research in automotive engineering and advanced materials/manufacturing; strong links with industry; and state-of-the-art facilities. The design-based approach undertaken during the degree allows you to apply fundamental theory in industry-relevant projects, combining project management and communication skills with advanced numerical simulation



techniques, product realisation and testing.

During the program you will cover core mechanical disciplines, including machine design, thermo-fluids,

structural design and industrial control while developing skills in project management, communication and financial management. You will also gain a solid understanding of product and process modelling, and how to design for sustainability.

Bachelor of Mechatronics Engineering (Honours)

This degree integrates electronic devices with mechanical design and information technology, preparing you to be an industry-ready professional engineer. You will gain the skills to apply mechatronics engineering principles to challenging real-world problems, such as the automation of industrial processes using robotics and other cutting-edge technologies, flying drones, 3D printers, robotics and self-driving cars. In your second year you will design a robot, and in your third year you will design and build 'sumo robots'.

The degree also provides you with transferable skills in entrepreneurship, innovation, project management, technical report writing and more. You will develop an understanding of ethics within the engineering profession, and of technical and professional issues within the industry while gaining an insight into the social, cultural, global and environmental responsibilities

Bachelor of Software Engineering (Honours)

The rapid advancement of sensing and computing hardware supporting smart, connected devices is driving growing demand for software engineers. During this degree you will extend your skills beyond web and database technologies and desktop software patterns to acquire niche skills in robotics and cyber-physical computing.

This course includes a core professional industry experience unit, where you will be required to undertake at least 60 working days of industry experience.

Website:www.deakin.edu.au

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