



WORK INTEGRATED LEARNING

APRIL 2017

Engineering Industry Placements for 2018

Department of Engineering
School of Engineering and Mathematical Sciences
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ABOUT WORK INTEGRATED LEARNING

La Trobe University is committed to providing graduates with cutting edge skills to become leaders in the Engineering Profession. La Trobe's Future Ready Strategy aims to prepare students for industry through Work Integrated Learning programs, industry partnerships and engaging La Trobe's Essentials: Global Citizenship, Innovation and Entrepreneurship, and Sustainability Thinking.

Work Integrated Learning (WIL) is the placement of students into industry to learn to use the skills and knowledge they have gained on campus, in real work situations. WIL is carried out by students in their last year of study for the Bachelor of Engineering (Honours), a professional qualification accredited by Engineers Australia. WIL requires the student to carry out engineering work as if employed by the company for six months. The student's work is expected to be a contribution to productivity or the company's strategic goals.



HOST COMPANIES BENEFIT

- from engaging high quality students who can advance the organisation by bringing fresh ideas, energy and enthusiasm
- by contributing to education and mentoring students who will soon start work in professional roles
- by enriching their workplace culture with new talent
- from connecting to the University and consequently extending their networks



PROGRAM STRUCTURE

SCOPE

The University shortlists students suitable for the project or work to be carried out.

A host company provides a fixed term position description.

CONNECT

The company interviews and selects students from the short list.

PREPARE

The dates are confirmed, details of the placement finalised and paper work is completed. The company advises the University of its staff member who will supervise the student.

An agreement about the assignment of Intellectual Property rights is completed if one is pertinent.

Funding and paying the student (usually a stipendiary scholarship not exceeding \$10,000 for six months) is organised.

IMPLEMENT

In the Implementation phase students are supported by a staff member of the Engineering Department and with technical assistance from the University. Students check-in with their allocated staff member regularly.

REVIEW

At the conclusion of the WIL, industry staff will be asked to provide feedback on the student's work and achievements, along with any comments on the program in general.



“ I believe there are exciting times ahead for the Engineering Profession in Australia. Into the future, industry must be prepared to create impact and attain market influence by embracing innovation, bridging the gap between ideas and the marketplace. The La Trobe university Work Integrated Learning program is an excellent opportunity for businesses to leverage the capabilities of a new generation of engineers. ”

- Professor Roger Lumley FTSE, FIEAust, CPEng
Head, Department of Engineering
La Trobe University

ABOUT LA TROBE UNIVERSITY



La Trobe University is 50 years old and has campuses in Melbourne and regional Victoria. It has over 36,000 students and 1,250 academic staff. The School of Engineering and Mathematical Sciences offers undergraduate programs in engineering, computer science, information technology, mathematics, and statistics, along with postgraduate research in all three of its departments. Its research includes the Tasman International Geospace Environment Radar (TIGER), the Centre for Technology Infusion and a wide range of other projects, such as development of an Earth Sensing Imaging Spectrometer for Deutsches Zentrum für Luft und Raumfahrt.

La Trobe is ranked in the top 400 in all three major international university rankings: the QS, the Times Higher Education (THE) and the Academic Ranking of World Universities (ARWU).

LA TROBE UNIVERSITY ANNUAL FACTS AND STATISTICS 2015

3,217.7
Staff



36,278
Students



1,050 Research
Publications

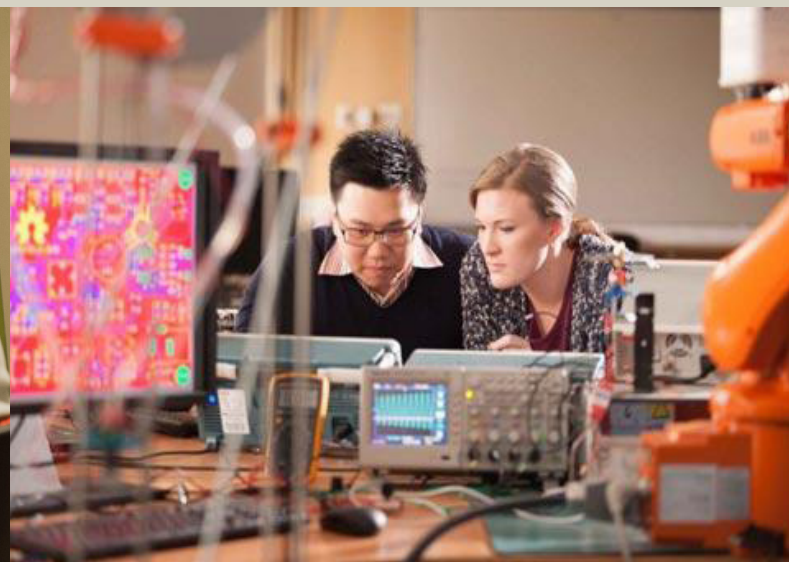


Total Research
Income
\$ 55,381,000



Student Origins

1. Australia	28,210
2. China	2,400
3. India	1,458
4. Vietnam	1,102



OUR PARTNERS



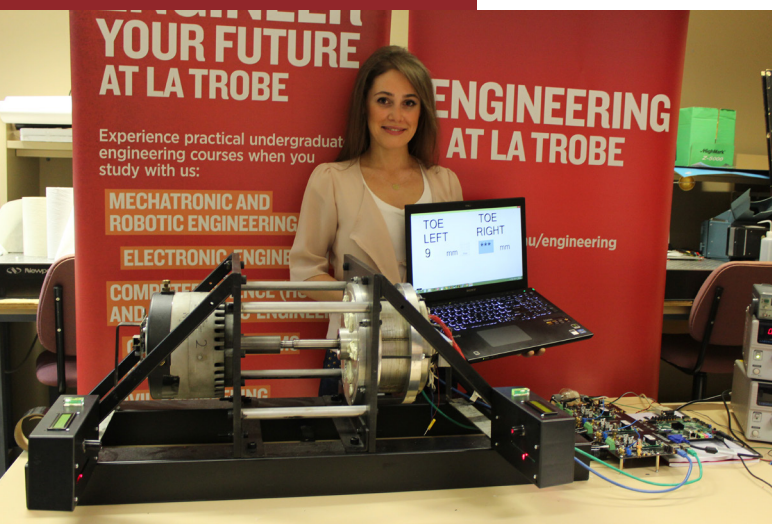
La Trobe University's industry partners often cooperate on research projects and have the opportunities to recruit talented graduates. The School of Engineering and Mathematical Sciences has already partnered with some of the largest global brands across a range of industries. Within Australia the Engineering Department has partnerships with national and state industries, various enterprises in the northern sector of metropolitan Melbourne and the central north Victoria, especially Bendigo, that work closely with the Department.

“I strongly support La Trobe's Work Integrated Learning program. We are constantly on the hunt for talented graduates who are armed with real experiences and who have the ability to drive growth opportunities within various markets. We depend on employees who can think outside the box and explore opportunities for our business, whether they are innovative solutions to existing problems, breakthrough technologies or sustainable manufacturing practices. Six months in industry will give students the opportunity to gain a greater depth of work experience and enough time to produce tangible examples of completed works for their resume and portfolios.”

-Shayne Wright, Senior Systems Engineer at Thales Group Australia

OUR PARTNERS INCLUDE

BMW, AUDI, The German Aerospace centre(DLR), Fortiss, ABB, Siemens, Brainlab, Xilinx and more multinational companies. Spatial Partners Pty Ltd., ANZ Bank, Arup, Hacer, CPE Systems Pty Ltd, Continental, MWH Global, Aston Social, AnswerCrowd, Telstra Networks and Access, Vert Engineering, Asphalttech, Analog Devices, Aurecon, Thales, Regional Management Group, Eco2Sys Australia Pty Ltd, Terraco, Spire, Australian Turntable Company, Industrial Conveying Australia, Leed Engineering, City of Greater Bendigo, Coliban Water and North Eastern Water.



Global Partners as of 2016

To find out how your organisation participate in the Work Integrated Learning program and host industry placements, please contact:

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Every effort has been made to ensure the information contained in this publication is accurate and current at the date of printing. For the most up-to-date information, please refer to the La Trobe University web site. Prepared by: La Trobe University School of Engineering and Mathematical Sciences.