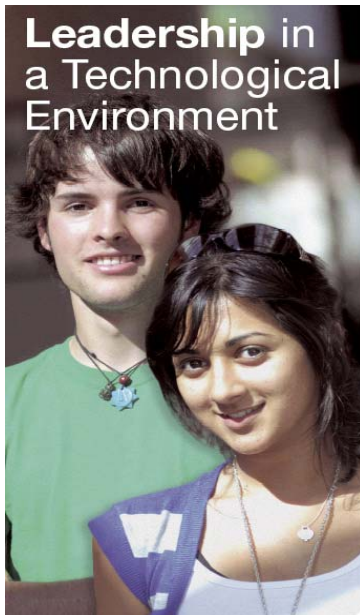


Engineering Excellence Awards Leadership in a Technological Environment

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Engineering Excellence Awards

Australia is facing a critical skill shortage of engineers and a failure to address this demand will have grave implications for this country's future. As one of the nation's premier engineering schools, the Faculty of Engineering at Monash University plays a key role in guaranteeing the sustainability of engineering in Australia.

To promote and reward excellence, the Faculty of Engineering offers up to 50 Engineering Excellence Awards annually to offset the cost of tertiary study.

The Awards are given to the highest achieving Year 12 students with a minimum ENTER of 98.00 or equivalent.

The Awards are worth \$6000 per annum to students commencing an undergraduate engineering program, including double degrees, offered by Monash University. The Award is for the duration of the degree provided a 75% average is maintained each year.

All Award holders are invited to participate in the Leadership in a Technological Environment Program, which commenced in 2007.

Leadership in a Technological Environment Program

This is a unique non-award program offered by the Faculty of Engineering, Monash University, designed to produce engineering leaders of the future. It challenges and extends students, providing them with a unique opportunity to network, acquire skills and learn about leadership outside the formal classroom, adding a truly memorable experience to their time at Monash Engineering.

The program comprises a two day residential, introductory workshop, nine short modules spread over three years covering a range of leadership aspects, as well as regular seminars from industry and research leaders. Shadowing and interviewing industry leaders, practical activities, team building and personal development exercises form an integral part of the program mix.

The residential Induction Workshop, held in February each year, provides participating students with an opportunity to understand the Program - its purpose and content; meet others in the Program, and gain a general insight into their own personal characteristics through a self-assessment. The students also have an opportunity during the Induction Workshop to meet with senior members of the University and the Faculty, members of the Engineering Foundation, alumni, and other industry leaders.

The nine modules presented over the three years cover topics such as:

- ❖ What is leadership?
- ❖ Critical thinking and problem solving
- ❖ Communication skills
- ❖ Sustainability in society
- ❖ Ethics
- ❖ People skills
- ❖ Change Management
- ❖ Innovation and entrepreneurship
- ❖ Globalization

Topic experts, industry leaders, alumni and senior university members are all being called upon to contribute to this program. Delivering workshops and seminars, offering advice, providing 'shadowing' and networking in industry experiences for the students and sponsoring the program are many of the ways in which our industry partners are supporting the program and ensuring that it reflects the future requirements of industry and the broader community.

In developing the Program, consultations have been held with: members of the Engineering Foundation, Executive Committee of the Faculty of Engineering, industry, and alumni. The Program initiative has been enthusiastically supported by the Engineering Foundation, and applauded by all the industry executives who have been involved in the discussions.

The Leadership Program will continue to be offered to the highest scoring engineering students each year and will be the springboard for a broader leadership initiative that will be offered to all engineering students in the faculty.



Can do attitude



Participation



Leaders on the move

"The leadership program has enabled me to meet and befriend people in my course who are similar to myself. It also gives me the chance to meet leaders in the engineering profession as well as talking to the university staff outside of lectures and tutorials. This has provided me with the opportunity to form networks with industry leaders."

David Gunn



Vanessa Kong

Bachelor of Engineering – first year

Engineering excellence award holder Vanessa Kong attended the Leadership in Technology Program residential induction workshop at the Mount Eliza Business School in February this year.

"It was an amazing two days. I never thought I'd get such an opportunity. I met so many interesting people, had heaps of fun and made lots of new friends. That's me refereeing for another team during one of the activities called "The Amazing Race".

The workshop identified strengths and weaknesses that will help me develop a personal leadership style. I am really looking forward to a future activity where we will be given a chance to 'shadow' engineers in industry. It will be an eye-opener to spend a day in a working environment watching how experienced industry leaders go about their daily routines. There is no doubt that the Leadership in Technology Program will be an invaluable guide to becoming a good leader and engineer in the future.

I feel very honoured and privileged to be a recipient of an Engineering Excellence Award. The financial support means I can focus on my studies and cut back on part time employment. It gives a whole new meaning to my tertiary education as it drives me to achieve new levels, not only in my studies, but also in making the most of all that is available to me at university – things like the undergraduate research opportunities program. The scholarship sets a benchmark for my goals and what I wish to take away with me after university."

"As well as giving me the opportunity to meet people, from industry leaders to university staff and students in my course, the leadership program has given me more of an insight into the world of engineering as a profession beyond university."

Tristan Lambert



Participants in the inaugural Leadership in a Technological Environment Program
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