

<b>Position Title:</b>	Chair in Engineering Education
<b>Position Classification:</b>	Level C / D
<b>Position Number:</b>	NEW
<b>Faculty/Office:</b>	Faculty of Engineering and Mathematical Sciences
<b>Supervisor Title:</b>	Pro-Vice Chancellor and Executive Dean
<b>Supervisor Position Number:</b>	315157

### Your work area

*'Empowering people to change the world'*

The Faculty of Engineering and Mathematical Sciences has educated Rhodes Scholars, Fulbright Scholars, Eureka Prize winners, CEOs and seven of the most influential engineers in Engineering Australia's Top 100 list. The Faculty prides itself on its track-record for producing graduates who not only perform well in their chosen profession, but are equipped with the skills and social capital they need to be the very best.

The Faculty has an international reputation for excellence in research and its research teams benefit from global partnerships with industry, attracting research income of more than \$27 million a year – well above the national average. It is capitalising on its location at the hub of Australia's resources industry - and a stone's throw from the head offices of Australia's biggest resource industry players – to revolutionise engineering research and position Western Australia at the forefront of engineering for remote operations. Equally important is the related topic of educating the next generation of engineers for these and other industries. The Faculty seeks to embrace the latest forms of effective educational delivery and produce engineers with skillsets that promote flexibility and recognise the need for life-long learning.

### Reporting Structure

Reports to: Pro-Vice Chancellor and Executive Dean - EMS

### Your role

The Chair in Engineering Education is a leadership/facilitation role responsible for strengthening and integrating the University's teaching, research and community engagement in the field of Engineering Education

### Key responsibilities

Facilitating the development of both world-class engineering educators and pedagogy at UWA.

Representing the University in relationship building with the national and international engineering education communities.

Maintaining and developing a research program in Engineering Education.

Primary responsibility for, and partial delivery of, the Faculty's main 'Introduction to Engineering' unit (note: unit name subject to change) as delivered to all Engineering Science Students.

Oversight of the Professional Practicum component of the Masters of Professional Engineering and the provision of a partially on-campus alternative for those students unable to secure appropriate industrial placements during their coursework studies.

## **Your specific work capabilities (selection criteria)**

A PhD or higher doctorate in an engineering discipline

Recognised experience in developing and executing a research programme in engineering education research

Proven ability in developing and implementing effective engineering pedagogy

Recognised experience in the development of engineering coursework and curriculum

Demonstrated capacity to integrate the engineering workplace with educational provision

## **Special Requirements**

Nil

## **Compliance**

### **Workplace Health and Safety**

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

### **Equity and Diversity**

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at [http://www.hr.uwa.edu.au/publications/code\\_of\\_ethics](http://www.hr.uwa.edu.au/publications/code_of_ethics), <http://www.equity.uwa.edu.au>