Want to be wanted?... and well paid?
Make a positive difference to society?
Have a flexible career with great work/life balance?
Be creative and influential?
Design smart solutions to meet modern challenges?

For more information about Power Engineering and relevant universities, visit www.api.edu.au and www.powerengineering.org.au
WHY WOMEN?
The electricity supply industry is short of talent. Despite females being the majority of total university graduates, just 13% of power engineers in Australia are female. The power industry is keen to increase female representation in engineering roles, and is providing active support and encouragement.

Electricity supply industry companies are among the largest and most progressive. While power engineering jobs are challenging and rewarding, working conditions in the industry are also family friendly and flexible. Industry careers allow for a variety of paths to advancement – whether in technical problem-solving, equipment or system design, client relationship management, project management, consulting, or staff leadership.

WHAT IS POWER ENGINEERING?
Power engineers plan, design, construct, operate and maintain power systems and equipment. This is the infrastructure that generates, transports and distributes electricity - the heartbeat of modern society. The industry is leading the way in the development of renewable energy technologies, energy efficiency initiatives and systems to reduce greenhouse impact. These include geothermal power, enhanced solar, tidal and wind energy systems, carbon sequestration and geo sequestration. New approaches to the operation of electricity networks – SmartGrids – are also being developed to suit the new technologies.

Power engineers are qualified in a relevant engineering field – usually electrical, mechanical / mechatronics or sustainability engineering. Depending on their interests and talents, their work varies from office and computer-based planning and design, through investigations and technical problem-solving, to managing the construction and operation of electrical systems in the field. Work often requires working in teams, developing solutions to technical issues, and gaining agreement to recommendations.

It is the right time to consider a career in the electricity supply industry. The scale of investment required in the industry is unprecedented. Real talent will be needed to meet the challenge of widespread technological change while transitioning to a low carbon economy. Innovation is also needed to improve productivity and reduce costs to enable lower electricity prices.

Electricity is at the heart of modern Australian industry, commerce and households. Economic success requires international competitiveness in power delivery. Household incomes are impacted by power costs, with many unable to meet rising costs without hardship.

Help meet these challenges. Help design, plan, and develop the smart systems to safely and efficiently generate and deliver power to Australia of the future.

Over 120,000 Australians are directly employed in the electricity supply industry. More are needed. This is a mature industry experiencing a rebirth with new priorities, new energy sources, and new sophisticated technologies.

BURSARIES AND SCHOLARSHIPS
The industry offers many scholarships and bursaries which not only provide some money during your student years but also give opportunities to complete paid work experience with a variety of energy companies in vacation breaks. This way, you get to see what power engineering is all about, and get to apply the theory you learn at university. Applications from female students are particularly encouraged.

WHAT DO I NEED TO DO?
Good results in English, Maths (preferably advanced maths), Physics, and Chemistry are not essential but are certainly desirable for Power Engineering studies. Australia’s leading universities offer relevant courses including power engineering units.