Electric power systems play a vital role in a country’s development. Growth in the industrial, commercial, and socio-economic sectors of society is highly dependent on the reliability, quality, and successful utilisation of electrical energy.

Electrical utility engineers shoulder the responsibility to plan, develop, protect, operate, utilise and maintain the power industry for the benefit of all of society.

The Department of Electrical and Computer Engineering, in alliance with Western Australia’s main transmission and distribution services provider – Western Power – offers a postgraduate Master by coursework in Electrical Utility Engineering. This degree has been developed in direct response to skill shortages in the power industry, and a growing demand for advanced technological solutions in the electrical utilities sector. It focuses particularly on the skills required in electricity transmission and distribution.

The course addresses the needs of professional engineers by recognising both experience and time constraints. You will undertake six specialised electrical utility engineering coursework units, and a two-semester industry-based project which can be related to your work commitments. You will complete the course by attending course topics (generally in the evening to allow for full-time work), intensive block programs and off-campus resource-based learning. Assessment is primarily through industry-based case study assignments.

**CAREER OPPORTUNITIES**

Power engineering graduates needed by industry to keep pace with global demands and new infrastructure additions in both expanding and emerging economies.

This degree adds to the skills already gained in an appropriate undergraduate degree, enhancing your ability to further your career and employment opportunities. The combination of this very industry-focused, specialised degree within an industry sector suffering a recognised shortage of experienced engineers will allow you, as an early-career power engineer, to rise quickly in your chosen profession.
MORE ABOUT
ELECTRICAL UTILITY ENGINEERING

CAREER OPPORTUNITIES CONTINUED
In Australia, electricity transmission and distribution services are provided on the east and west coasts by Western Power, Horizon Power, Energy Australia, Transgrid, SPAusNet, Country Energy, Ergon, Energy, Energet, Powerlink, Electranet and Aurora Energy. Graduates are also in demand in the mining industry, particularly for resources requiring power-intensive grinding.

ENTRY REQUIREMENTS
A Bachelor of Engineering degree (Electrical Power Engineering) or equivalent, plus at least one year of experience in the power industry, if not currently employed in the sector.

DURATION
This fee-paying course is one year full-time or equivalent part-time study. Two intakes are offered each year in February and July.

LOCATION: Bentley

COURSE CRICOS CODE: 038796A

REAL WORLD PRACTICE
Curtin University is unique within Western Australia with the depth of its teaching staff, employing nine power engineering academics. The Department is also a recognised Centre of Excellence in Power Engineering, funded through the Australian Power Institute, the sector’s leading industry body. The Electrical Utility Engineering Master program is used by Western Power as a large part of its Graduate Development Program, ensuring its suitability in preparing graduates for real-world working scenarios. Six Western Power staff are members of the teaching cohort and deliver key modules, keeping course content at the leading edge of industrial practice. Western Power also provides ongoing project topics.

DOMESTIC STUDENTS
Australian citizens, Humanitarian Visa Holders, Permanent Residents and New Zealand Citizens are eligible for Commonwealth supported places in this Master program. Australian citizens are also eligible for HECS-HELP enabling them to defer their payments to their Tax File Number or receive 20% discount on any amounts over $500 if they choose to pay the fees upfront.

GRADUATE PROFILE

MIR MASHFIQUL ISLAM
Electrical Consultant Engineer,
Wood and Grieve Engineers

Curtin’s reputation in the field of engineering and focus on relating courses to the practical world were aspects which appealed to me, and this along with my motivation to gain more knowledge in a specific engineering topic led me to study the Master course in Electrical Utility Engineering. The course was well structured, and the personal experiences shared by some of the lecturers working in the industry were one of the most valuable aspects of the course.

I am now working as an Electrical Consultant Engineer, which involves the design, documentation and contract administration of various commercial building projects. The Master qualification has boosted both my knowledge and curriculum vitae, and as a result my employer is involving me in a variety of challenging projects which are paving the way for me to further achieve my goals.

COURSE STRUCTURE

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<td>Electrical Utility Engineering 634</td>
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INTERNATIONAL STUDENTS
International students studying in Australia on a student visa can only study full-time and there are also specific entry requirements that must be met. Please refer to www.international.curtin.edu.au or phone +61 8 9266 7331 for further information, as some information contained in this publication may not be applicable to international students.

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