

AUSTMINE WOMEN IN STEM: METS CAREER PATHWAY PROGRAM

Student Intern Positions –November 2018 – February 2019

Please find below list of proposed internship placements confirmed with our member companies. Student applications will open on 1 August 2018. Austmine will be hosting an information session at universities during August and for more information visit our website [here](#) or email info@austmine.com.au.

VIC Positions

Energy Power Systems Australia

**Energy Power
Systems**



Location: Mulgrave, VIC
Website: <https://www.energypower.com.au/>
Discipline: Any Engineering discipline (Mechanical, Electrical, Industrial, Instrumentation)

Position description

Energy Power Systems Australia (EPSA) is offering an internship suited to the successful applicant's skills and interest but will be a mixed and varied role tailored to the candidate. Tasks could include, but not limited to

- Producing technical documentation such as drawings, sales materials and work instructions, bills of materials
- Assisting customer solution validation for fit, form and function including safety assessments
- Document control activities from design through procurement and build
- Support multi-disciplined continuous improvement activities
- Provide design skills to the product engineering functions
- Data analysis work to improve business processes (cost reduction, inventory improvement etc)

Depending on the candidates EPSA have opportunities for an intern in all aspects of business and can tailor the program to ensure you get the best experience in aspects of the business that interest you and provides value for EPSA. As an example, EPSA have mechanical, design, electrical, project and controls engineers working on site, so the variety of opportunity is large.

Company description

EPSA is a unique Caterpillar Dealer, purposely designed and created to deliver deep expertise and capabilities in offering Caterpillar solutions for energy and power systems. EPSA's responsibility is to provide consistently outstanding customer experience in new engines, power rental, used engines and energy solutions including most recently renewables, for example solar and battery power. Project delivery is an important aspect of all of their customer experiences, and they work closely with Caterpillar and their Caterpillar dealers to ensure the needs of the customer come first.

Additional information

EPSA are looking for someone with:

- Competent computer skills
- Good team player

- Willingness to learn and try new things

Further information

The successful applicant will undergo a pre-employment medical and police check as part of the employment process at the employer's expense. This is a normal step for many companies.

Southern Innovation



Location: North Carlton, VIC
Website: <http://southerninnovation.com/>
Discipline: Any Engineering discipline including Computer Sciences, Electrical, Electronics or Mechanical

Position description

The Southern Innovation internship will provide students the opportunity to develop skills through practical experience as part of their team working with unique mining products powered by SITORO® Accelerated Analysis.

You will have the option to work with scripting and documenting test procedures, laboratory sample preparation, data collection and analysis, electrical system testing, debugging and general system implementation such as deploying software to hardware systems and configuring for operation.

A large part of the role will be the operation and testing of x-ray-based analysis machines. This role will require someone who is adaptable due to the varied nature of the tasks and eager to learn about multiple aspects of research, engineering and product development.

Students will need intermediate computer skills, basic programming skills in Python, C++ and matlab / octave. Basic electronic and digital electronic skills are needed. Familiarity with basic mechanical engineering concepts would be an advantage.

Company description

Southern Innovation develops, markets and licenses patented pulse processing technologies for the rapid, accurate detection and measurement of radiation. The company was born out of research to review suitable technologies for the accurate and rapid detection of legacy landmines. Southern Innovation's multi-award winning SITORO® technology provides a quantum leap in the efficiency of radiation detectors, with wide application in areas such as airport baggage screening, oil exploration, mineral analysis and the early detection of cancer.

Additional information

For the right candidate Southern Innovation would consider ongoing work on a part time basis through the academic year.