



## There are better ways to harness the power of electricity.

The TUM Bachelor of Science in Electrical Engineering and Information Technology is a great one.

The Technische Universität München (TUM) has established its reputation as a foremost academic institution, making it repeatedly the number one German university in various rankings and one of the best research & teaching universities in the world. Pioneering the globalisation of German university education, in 2002, TUM initiated the first German academic venture abroad. German Institute of Science and Technology – TUM Asia (TUM Asia) was established as a 100 % subsidiary of TUM.

In collaboration with the Singapore Institute of Technology (SIT), TUM Asia is offering a Bachelor of Science programme in Electrical Engineering and Information Technology, an internationally recognised full time customised degree programme.

To learn more about us and the programme curriculum, visit: [www.gist.edu.sg](http://www.gist.edu.sg), email: [undergraduate@gist.edu.sg](mailto:undergraduate@gist.edu.sg)

Become a fan of us in FACEBOOK : GIST-TUM Asia (TUM Asia)

SINGAPORE  
INSTITUTE OF  
TECHNOLOGY

TUM Asia

German Institute of Science and Technology –  
TUM Asia Pte. Ltd.



Make the right connections. Reinvent an experience. Stay on top of the game.  
TUM – The Entrepreneurial University.

10 Central Exchange Green #03-01 Pixel Building Singapore 138649  
Tel: +65. 6777.7407 Fax: +65. 6777.7236 [www.gist.edu.sg](http://www.gist.edu.sg)



## A promising future

By Zafirah Salim

When he was a teenager, Law Wei Cai had a clear view of his future career road map: He was interested in Mathematics and Science, and engineering would allow him to synergise the two.

The first step he took after obtaining his O-level certification was to sign up for a Diploma in Aerospace Electronics at a local polytechnic. Keen to expand his horizons, he decided to pursue a bachelor's degree that offers specialisations in other aspects of engineering, after graduating from the polytechnic in 2008.

He explained: "The job scope of an aerospace engineer is rather narrow as it only revolves around the maintenance and overhaul of aircraft."

At the recommendation of his friends and polytechnic lecturers, he read up on the Bachelor of Science in Electrical Engineering and Information Technology offered at the Technische Universität Muenchen Asia (TUM Asia), in collaboration with the Singapore Institute of Technology (SIT).

From researching online and attending the institute's open house, Wei Cai was convinced that the programme was a good fit, and he signed up for it in 2009.

"TUM is an elite university, it

is among the top three universities in Germany. And as the degree specialises in electrical engineering and information technology, it offers graduates more options – I can specialise in microelectronics, integrated circuit design or automation," said the 22-year-old, who is currently a first-year student.

"Graduates with related diplomas from local polytechnics are granted exemptions, so that they can complete the programme within two years."

As a prerequisite, he had to attend a 12-week bridging course before the start of the semester, where he had to attain satisfactory results for Advanced Mathematics, Physics and Circuit Theory modules.

On the bachelor's programme, the first four semesters cover fundamental modules while the final two semesters allow students to specialise according to their interests. "At the end of the final semester, students get to go on an overseas exchange programme. We will visit TUM's campus in Munich, attend classes and discuss our thesis projects with the professors."

Summing up his learning journey thus far, he said: "It has been great, especially with the friendly and approachable staff and professors."