SUTD
SINGAPORE UNIVERSITY OF
TECHNOLOGY AND DESIGN

Master of Innovation by Design (IbD)

Programme Overview

Master of Innovation by Design assumes a designation that is novel, even internationally. It is a horizontal program, attracting students to a paradigm in which products, systems and services are developed concurrently with a design-centric mindset and across every discipline, domain and sector.

Although the programme is directed at technology intensive product-service-systems, the entire value chain of products, services, and systems must be taken into account from the early stages of development, in the true nature of a design thinking mindset.

Unique Features

• Three tailored, specialized, rich experiences to foster capacity to innovate.

• Continuous hands-on approach encompassing the discover-define-develop-deliver design cycle.

• Embedding into SUTD Research Centres.

• Only graduate programme in Singapore that aims to promote design thinking and innovation across several fields of knowledge.

Innovation by Design Sprints

Innovative Soft Robot Technologies

The Future of Us Pavilion

Programme Duration (Full-Time / Part-Time)

Full-Time	1 to 2 years (3 to 6 consecutive terms)
Part-Time	2 to 3 years (Maximum of 9 terms)

Admission Requirements

Applicants should possess the following:

• At least a Bachelor's degree with Second-Upper Class Honors majoring in Engineering, Industrial Design, Material Science and other related areas.

• English language proficiency (TOEFL or IELTS may be required if English is not your medium of instruction).

Admission Assessments

• Face-to-Face OR Video Conference Interview.
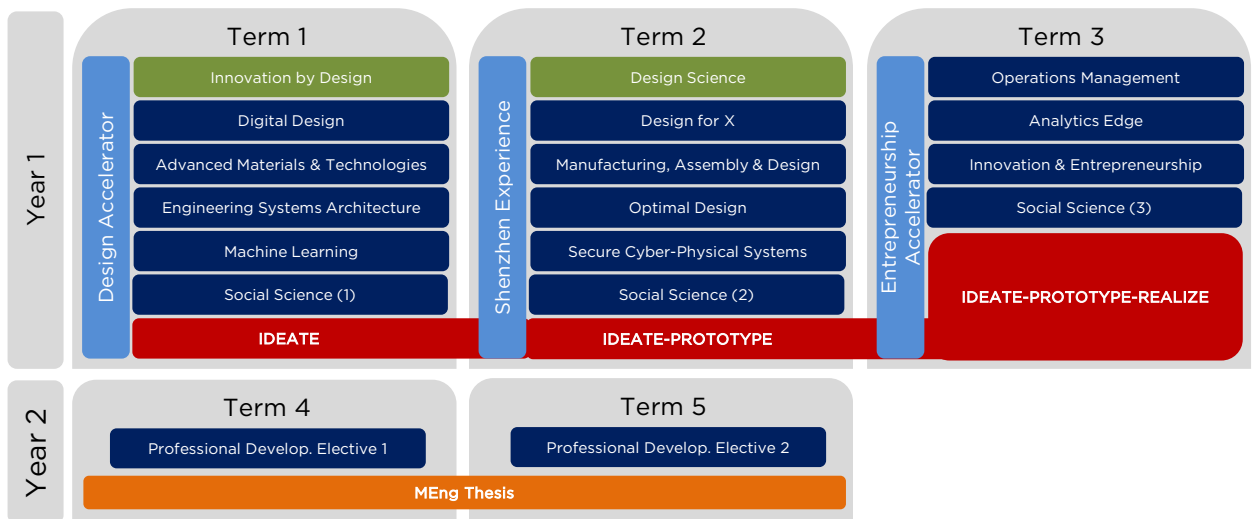• Credit exemption for academic modules will be evaluated on a case-by-case basis.

Admission Schedule

There is one intake each year in **September**. Please visit https://ibd.sutd.edu.sg/about/application/ for more information and apply at https://admission.sutd.edu.sg

Curriculum Overview

Students who elect to join the full-time MEng programme will complete two to three terms of coursework followed by an additional two terms of thesis. Students will be required to take two core courses (Innovation by Design and Design Science), along with a series of optional electives.

🟩🟥🟧 Compulsory courses/project – all students must take these (minimum credit requirement)

🟦 Compulsory week-long experiences – all students must take these

🟦 Elective courses

	Term 1	Term 2	Term 3
Year 1	Innovation by Design	Design Science	Operations Management
	Digital Design	Design for X	Analytics Edge
	Advanced Materials & Technologies	Manufacturing, Assembly & Design	Innovation & Entrepreneurship
	Engineering Systems Architecture	Optimal Design	Social Science (3)
	Machine Learning	Secure Cyber-Physical Systems	IDEATE-PROTOTYPE-REALIZE
	Social Science (1)	Social Science (2)	
	IDEATE	IDEATE-PROTOTYPE	

(Design Accelerator — Shenzhen Experience — Entrepreneurship Accelerator)

	Term 4	Term 5
Year 2	Professional Develop. Elective 1	Professional Develop. Elective 2
	MEng Thesis	

Career Opportunities

Graduates will be able to enter the international and local employment market enterprises dealing with:

- Technological products and services.
- Consultants conducting technology assessment and innovation and change management.
- Governmental institutes dealing with innovation and policy strategy and research institutions.

These line up with Singapore's long term vision of becoming a design and innovation hub for the APAC region, as well as globally.

Pathways to Complete the Programme

- Full-time accelerated MEng for SUTD students
- Full-time accelerated MEng for Industry Professionals
- Full-time MEng for non-SUTD students
- Part-time MEng for working professionals

Contact Us
For admission and programme enquiries:
Email: ibd@sutd.edu.sg

For full details, please visit our website at:
https://ibd.sutd.edu.sg

Research Centres

SUTD hosts several world-class research Centres, where students can fulfill the research component of the programme. These Centres include:

- Digital Manufacturing and Design Centre (DmanD)
- Game Research, Education and Training (GREAT)
- International Design Centre (IDC)
- iTrust Centre for Research in Cyber Security
- Lee Kuan Yew Centre for Innovative Cities (LKYCIC)
- Research in Security Innovation Lab for Internet of Things (RESILIOT)
- Temasek Laboratories