

FROM SINGAPORE TO U.S. TO CHINA,
THE SUTD TECHNOLOGY ENTREPRENEURSHIP PROGRAMME
(STEP) IMMERSES YOU IN A WORLD OF INNOVATION AND
ENTREPRENEURIAL OPPORTUNITIES.



A BETTER WORLD BY DESIGN.

SUTD
SINGAPORE UNIVERSITY OF
TECHNOLOGY AND DESIGN



“This SUTD programme will not only give students the invaluable exposure to Singapore, the U.S. and China’s entrepreneurship ecosystem, but also a springboard and wide resource network for those who want to start their own company. The community of regional venture capitalists and entrepreneurs is committed to nurturing and mentoring aspiring young entrepreneurs and we look forward to more innovations and start-ups from SUTD.”

Mr Ong Peng Tsin, serial entrepreneur & investor
Managing Director of Monk’s Hill Ventures

Admission Criteria

Open to students who fulfil the following criteria:

- Outstanding academic results — Singapore-Cambridge GCE ‘A’ Level, Local Polytechnic Diploma, International Baccalaureate Diploma or NUS High School Diploma
- Demonstrate strong communication skills and leadership potential
- Strong interest in technology and entrepreneurship
- Are entrepreneurial, innovative, dynamic, resilient, energetic, risk-taking and responsive

Application

Interested applicants can apply for STEP as part of the online admission application to SUTD’s undergraduate programmes at sutd.edu.sg/apply.

In the application form, simply indicate your interest to apply for STEP and submit a 300-word response on your experience and interest in entrepreneurship.

Shortlisted candidates are required to attend an interview with SUTD.

STEP Scholarship

Up to 30 attractive bond-free scholarships for each intake will be awarded to outstanding Singaporeans who are offered admission to STEP. The scholarship covers:

- Subsidised tuition fees for the entire duration of study (up to 10 academic terms) for the bachelor’s and master’s degree programme
- Full study-related expenses incurred during the one year’s overseas entrepreneurship and innovation immersion programme in the U.S. and China

For more details on tuition fees and scholarships, please visit sutd.edu.sg.

5 REASONS TO CHOOSE STEP

Experiential learning at SUTD



- A design-centric education that offers strong grounding in technology, design and entrepreneurship
- An advanced Technology Entrepreneurship capstone project that gives exposure to real-world start-up process
- A master’s dissertation in Technology Entrepreneurship
- Local internship - over 800 industry partners to choose from

One-year overseas entrepreneurship immersion programme in the world’s most entrepreneurial regions



- Work immersion experience in U.S. (San Francisco Bay Area)
- Entrepreneurship courses at UC Berkeley Extension
- Entrepreneurship and management courses at a Chinese University (including Zhejiang University School of Management and Xi’an Jiaotong University)



Experience Technology Entrepreneurship

Gain exposure to the vibrant entrepreneurial, business and venture-capitalist ecosystems through immersion in Singapore and two of the world’s biggest economic powers – U.S. and China



Diverse career opportunities

- Career choices across a wide range of start-up industry sectors
- Potential to be hired as intrapreneurs in multinational corporations
- Start your own technology business



Graduate with a bachelor’s degree and master’s degree



SOME START-UPS THAT SUTD HAS HELPED NURTURE.

Codomo is an educational technology start-up that aims to nurture technically-grounded innovators from an early age, by exposing them to real-world oriented challenges and equipping them with technology and design skill sets to tackle these challenges.



Edward Tiong and Olivia Seow founded Ring Theory while studying at SUTD. They have since developed smart wearables for clients such as banks, public transport authorities and wearable tech companies.



Augmented Reality Optical Display System

Display allows critical information to be shown to the user.

Infinity focus makes it comfortable to see and safe to look at.

Blind Spot Camera

Rear facing camera covers blind spots up to 180 degrees in real time.



Potato Pirates: A card game created by Codomo that teaches coding and encourages interaction between the players.



OMNI- is a smart motorcycle helmet that increases a rider's situational awareness, designed by a tech start-up comprising six SUTD alumni.

THE SUTD TECHNOLOGY ENTREPRENEURSHIP PROGRAMME (STEP)

Take a big STEP forward

The SUTD Technology Entrepreneurship Programme (STEP) is a premier 4.5-year integrated programme

culminating in a Bachelor of Science (or) Engineering degree and a Master of Science in Technology Entrepreneurship degree from SUTD.

As entrepreneurship and innovation are projected to be the key drivers of Singapore's future economic restructuring, growth and development, STEP aims to nurture technically-grounded

entrepreneurial leaders and innovators with a global perspective. This is delivered through experiential learning at SUTD and an entrepreneurship and innovation immersion programme in the U.S. and China that bring both western and eastern perspectives.

“There comes a time when one must come to terms with what he wants to achieve in life. For me, it is simply to leave a positive mark. I chose STEP because it empowers me to ideate and execute effectively, and I believe those are the main engines driving positive change.

Lionell Loh Jian An
Pioneer student of STEP
Alumnus of Hwa Chong Institution

STRONG ENTREPRENEURIAL ECOSYSTEM WITH NO LACK OF ENTERPRISING AND INNOVATING OPPORTUNITIES FOR SUTD STUDENTS.

Entrepreneurship Undergraduate Research Opportunities Programme (UROP)

Embark on research projects under the Entrepreneurship UROP where you will be matched with research centres based on your research interests.

Start Something @ SUTD

Participate in this experiential entrepreneurship programme that aims to expose SUTD community to the start-up ecosystem and educate them on entrepreneurial knowledge and skill sets, including hackathons, pitching and more.

Entrepreneurship Venture

Put your entrepreneurial finesse, design and technology skills and knowledge to use, to help tackle real problems faced by the SUTD community.

Intellectual Property (IP) Clinics

Develop fundamental understanding on IP and patent filing process which includes Technology Disclosure (TD) writing.

Incubation Space

Gain access to a co-working open space to develop your business idea and collaborate with like-minded entrepreneurs. With our labs and facilities, ideas are brought to life. You will also be given the opportunities for networking, mentorship, and participation in exhibitions and conferences to become more savvy in the Technology Entrepreneurship scene.



“Two months into STEP and I have already interacted with various other entrepreneurial minds, spoken to established start-up owners and tried my hand at developing my own. There is much more to come and I look forward to it.”

Sylvia Soh Tsin Hyui
Pioneer student of STEP
Alumnus of Anderson Junior College



UC Berkeley

Distinguished partnerships - Universities in U.S. and China

For STEP, SUTD partners with University of California, Berkeley Extension (UC Berkeley Extension) and Chinese universities such as Zhejiang University School of Management and Xi'an Jiaotong University to harness the best practices in technology, entrepreneurship, innovation and design. This creates unprecedented opportunities to venture into the realm of Technology Entrepreneurship through immersion in Singapore and two of the world's largest economies - U.S. and China.

Study, live, work and play in Singapore, U.S. and China

STEP provides you a holistic experiential education which goes beyond the design-centric engineering and architecture disciplines to further equip you with relevant and complementary skill sets in Technology Entrepreneurship and Business Management.

You will spend the first six terms (or first three years) in SUTD to experience a design-centric, hands-on education and gain a strong grounding in technology and design thinking. In term 6, you will take an entrepreneurship course, designed to focus on 'how to' become entrepreneurs and create new ventures. As you undergo the value creation process, you will develop a systemic understanding of the social and technological factors that will affect the various decisions and activities throughout the start-up journey. Coupled with mandatory entrepreneurship workshops conducted for STEP students, you are expected to develop strong fundamental aptitude, business acumen, passion, mindset and strategies for entrepreneurship. In addition, you will complete a 16-week local internship

where you will gain industry exposure. The fourth year comprises a one-year overseas entrepreneurship and innovation immersion experience in the U.S. and China that includes:

- One term pursuing entrepreneurship courses at UC Berkeley Extension
- Exclusive work immersion in the San Francisco Bay Area
- One term pursuing entrepreneurship and management courses at a Chinese University such as Zhejiang University School of Management and Xi'an Jiaotong University

In this one-year span of overseas experience, you can witness emerging technologies and be exposed to the vibrant entrepreneurial and business ecosystems in both the San Francisco Bay Area and China, which will immerse you in the real world of Technology Entrepreneurship.

Finally, the programme culminates with a unique Technology Entrepreneurship capstone project and a master's dissertation in Technology Entrepreneurship at SUTD. Through the special capstone project, you will apply what you learnt, gain the know-how of the start-up process and be introduced to Singapore's entrepreneurship scene and venture-capitalist ecosystem. You will also learn about the different kinds of IP and how to protect your work.

Through all these experiences, STEP graduates will be well-poised to become the next generation of technically-grounded entrepreneurs and leaders ready to be employed in a wide range of start-up industry sectors, be hired as intrapreneurs in multinational corporations, or realise dreams of creating new technology-intensive businesses that could potentially have a breakthrough in the market.



A UNIQUE
15
-WEEK ENRICHING EXPERIENCE IN U.S.



STUDENTS NEED TO TAKE EIGHT CORE COURSES FROM UC BERKELEY EXTENSION THAT INCLUDE:

- Entrepreneurial Leadership
- Marketing Strategies
- Business Plan
- Business Negotiating
- Finance for Entrepreneurs and Small Business Owners



FOLLOWED BY 1 SUMMER OF:

Work Immersion Opportunity in the San Francisco Bay Area



1
TERM OF INNOVATION & ENTERPRISE LEARNING IN CHINA.



COURSES* IN AREAS SUCH AS:

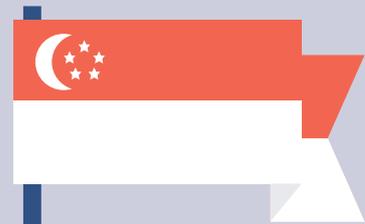
- International Business
- Doing Business in China
- Technology and Innovation Strategy

**Courses offered are indicative and are subject to change at the discretion of the host university.*



AREAS IN CHINA WITH VIBRANT GROWTH & DEVELOPMENT

Zhejiang University School of Management in Hangzhou (renowned for its entrepreneurial activities) and Xi'an Jiaotong University in Xi'an



8
TERMS OF EXPERIENTIAL LEARNING IN SINGAPORE.



EXPERIENCE TECHNOLOGY ENTREPRENEURSHIP

- Distinctive curriculum with design projects and courses in relevant pillar of study to provide a firm grounding in technology and design
- Mandatory entrepreneurship workshops
- Entrepreneurship course that focuses on starting new ventures and providing an experience of the value creation process
- Capstone project with technology-based idea that gives exposure to real-world start-up process
- Master's dissertation in Technology Entrepreneurship
- SUTD Entrepreneurship Centre providing support for entrepreneurship related activities

Programme Structure

The programme duration is a total of 10 terms over 4.5 years. At the end of 10 semesters, you will graduate with:

- A Bachelor of Science with a major in Architecture and Sustainable Design **OR** a Bachelor of Engineering with a major in one of the following three engineering pillars:
 - Engineering Product Development
 - Engineering Systems and Design
 - Information Systems Technology and Design; **AND**
- A Master of Science in Technology Entrepreneurship

Academic Calendar (10 Terms)

YEAR	JAN - APR	MAY - AUG	SEP - DEC
Y1		SUTD (T1)	SUTD (T2)
Y2	SUTD (T3)	Summer Break/Exchange/Internship	SUTD (T4)
Y3	SUTD (T5)	Summer Break/Exchange/Internship	SUTD (T6)
Y4	Entrepreneurship Courses at UC Berkeley Extension (T7)	Work Immersion Experience in the San Francisco Bay Area	Entrepreneurship and Management Courses at a Chinese University (T8)
Y5	SUTD (T9)	SUTD (T10)	

● Singapore University of Technology and Design ● University of California, Berkeley Extension, U.S. ● University in China

T - Term

SUTD Technology Entrepreneurship Programme (STEP)

For enquiries: sutd.edu.sg/prospectivestudent

 sutd.edu.sg/step

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