TOWARDS A BETTER WORLD BY DESIGN.
The power of design is deeply rooted in understanding the human experience and needs, and then creating innovative products, services and systems to meet and improve them. That’s why forward-thinking companies and nations are investing heavily in design to drive innovation and growth.

NURTURE TECHNICALLY GROUNDED LEADERS AND INNOVATORS TO SERVE SOCIETAL NEEDS

To meet the challenges of the future, we offer a world-class education built upon an interdisciplinary curriculum, multi-disciplinary research and a unique cohort-based learning approach based on design.

- **TOP EMERGING ENGINEERING SCHOOL WORLDWIDE**  
  Source: ‘The global state of the art in engineering education’, a study commissioned by the Massachusetts Institute of Technology (MIT)

- **5TH MOST INFLUENTIAL SCIENTIFIC RESEARCH INSTITUTION IN TELECOMMUNICATIONS**  
  Source: Clarivate Analytics’ 2017 State of Innovation Report

- **90% OF THE CURRICULUM WAS DEVELOPED BY MIT**

- **COLLABORATIVE, INTERACTIVE & HANDS-ON LEARNING**

- **100% HAVE OVERSEAS EXPOSURE OPPORTUNITIES**

- **100% GET TO DO RESEARCH RIGHT FROM DAY ONE**

- **100% BOND-FREE SCHOLARSHIPS**  
  > 100 with funded overseas exposure

- **MORE THAN 1,000 INTERNSHIP PARTNERS**  
  1 in 4 receive return offers after internship

- **9 IN 10 FULL-TIME PERMANENTLY EMPLOYED GRADUATES RECEIVED AT LEAST ONE JOB OFFER**  
  Source: 2019 Joint Graduate Employment Survey by Singapore’s autonomous universities

- **40% FEMALE STUDENT COHORT**
NU RTURE YOUR POWER OF DESIGN

Be trained in the full value chain to create a better world - from conception and development to manufacturing and sustainability. Armed with a comprehensive understanding of the social, cultural, political and economic dimensions of the world you are creating for, develop human-centred solutions that make the right impact.

TRANSFORMING THE WAY WE LIVE:

SUTD alumni Ken Chua (listed in Forbes 30 Under 30 Asia Social Entrepreneurs 2019) and Christabella Irwanto founded (these)abilities, a start-up that designs inclusive products to ‘Disable Disabilities’.

Ken and Christabella with Keyguard 2.0. It can be customised to fit any keyboard at half the cost, making it easier and affordable for people with upper limb mobility issues to use one.

Find out more about (these)abilities

Their work includes the Plug-N-Play Safety System which expands the wheelchair capacity of public buses. Transported 397 athletes during the ASEAN Paragames.

Working with SMRT to train an AI algorithm that helps with safety checks when trains enter or leave the depot.

BIFROST

Founders of artificial intelligence (AI) start-up, Bifrost, SUTD alumni Aravind Kandiah and Charles Wong developed a data engine that creates virtual worlds simulating rare, dangerous occurrences to capture rich data at a fraction of the time and cost. Making an impact in our lives a month before graduation. Their first client? Rail operator SMRT.
Our unique academic structure provides you with opportunities to design the future you envision. Our programmes are created around these four key concepts:

- **Interdisciplinary learning & research**
- **Design focus & human-centred**
- **Digital competency as a foundation**
- **Addressing large-scale real world problems**

## CURRICULUM

Our 8-term undergraduate calendar starts in September.

<table>
<thead>
<tr>
<th>YEAR</th>
<th>JAN - APR</th>
<th>MAY - AUG</th>
<th>SEP - DEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y1</td>
<td>Freshmore</td>
<td>TERM 2</td>
<td>VACATION/ SUMMER PROGRAMME</td>
</tr>
<tr>
<td>Y2</td>
<td>Sophomore</td>
<td>TERM 4</td>
<td>Junior</td>
</tr>
<tr>
<td>Y3</td>
<td>Junior</td>
<td>TERM 6</td>
<td>Senior</td>
</tr>
<tr>
<td>Y4</td>
<td>Senior</td>
<td>TERM 8</td>
<td></td>
</tr>
</tbody>
</table>

* Students who embarked on an overseas exchange during the previous vacation (Y2 Sep-Dec) may opt to continue with overseas internship in Term 6 or undertake a longer internship (Y3 Jan-Aug). Students may also embark on an exchange in Term 6 with the possibility of a follow-up summer overseas internship (Y3 May-Aug).

## FRESHMORE

The first three terms are common to all students and build a foundation in Science, Mathematics, Humanities, Arts and Social Sciences (HASS), Digital Literacy and Design.

The world is literally your classroom. All Freshmore students enjoy subsidised overseas immersion trips to ASEAN and China as part of the curriculum. The Freshmore Asian Cross-Curricular Trips (FACT) lets you gain global exposure within your first year in SUTD, a pre-cursor for you to better understand the region and start building networks.

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**LEARNING OUTCOMES**

**TERM 1**
- Design Thinking & Innovation
- Critical Inquiry
- Scientific Knowledge Application to Real World Issues
- Digital Literacy
- Freshmore

**TERM 2**
- Modelling & Analysis
- Physical World
- Computational Thinking for Design
- World Texts & Interpretations (HASS)

**TERM 3**
- Modelling Space & Systems
- Technological World
- Science for a Sustainable World
- Design Thinking & Innovation

**TERM 4**
- Modelling Uncertainty
- Theorising Society, Self, & Culture (HASS)
- Elective
- Elective

More flexibility to pursue your interests – choose any two of the following electives:

- Science and Technology for Healthcare
- Designing Energy Systems
- Data Driven World
- Spatial Design World

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SUTD’s hands-on and multi-disciplinary education has given me an edge in implementing solutions quickly and effectively, allowing me to transition swiftly from an intern at nuTonomy to a full-time employee.

May Quek
SUTD Alumnus
Software Engineer,
nuTonomy, an Aptiv company

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At SUTD, we are blessed to have a close relationship with our teaching faculty. Often when we are stuck with questions from a class or a project, seeking help from our professor is always an option. Even if it is at an ungodly hour. I have more than once gotten a reply from Prof Tee Hui at 4am, half an hour after we sent that email.

Leong Hei Kern
SUTD Alumnus
Graduate student, ETH Zürich
MANDATORY CORE CURRICULUM

Common Freshmore subjects will be taken in the first three terms, with majors selected after Term 3. This approach provides a broad and rigorous education, and aims to give you a strong base to select and excel in your major of choice from Term 4.

You will take up to seven HASS classes throughout your undergraduate education. Complementing the technical subjects, this exposure provides a comprehensive understanding of the multi-dimensional world you are creating, designing and building for. Be a modern tech leader conscious of the social role and impact of technology and design innovations.

In your graduating year, you will participate in a 2-term Capstone project collaborating with students from different majors to solve real-world challenges from industry partners, using your respective skills.

VARIABLE CURRICULUM

At SUTD, we believe in giving you the flexibility for different pathways and that one size does not fit all. Besides the selection of majors and electives, you have the option to take up minors and specialisations that suit your passions.

MINORS
- Minor in Artificial Intelligence (AI)
- Minor in Design Innovation, Ventures and Entrepreneurship (DIVE)
- Minor in Healthcare Informatics
- Minor in Engineering Product (EP)
- Minor in Engineering Systems (ES)
- Minor in Information Systems (IS)
- Minor in Design, Technology and Society (DTS)
- Minor in Digital Humanities (DH)

SPECIALISATIONS
- Focus tracks offered within a major

Or build a portfolio under an industry aligned with SUTD’s next phase of growth - Aviation, Cities, and Healthcare, supported by capabilities in Artificial Intelligence/Data Science.

OUTSIDE THE CLASSROOM

Broaden your perspectives and be challenged beyond the classroom through:
- Fifth Row (i.e. co-curricular activities)
- Research
- Global exposure
- Internships

CUSTOMISABLE CURRICULUM

Education at SUTD is customisable by building on three main blocks:

- Mandatory Core Curriculum
- Variable Curriculum
- Outside the Classroom

This is enriched and supported laterally by:
- Design Innovation/Entrepreneurship
- Artificial Intelligence/Data Science
- Humanities, Arts and Social Sciences

CUSTOMISABLE CURRICULUM

MANDATORY CORE CURRICULUM

VARIABLE CURRICULUM

OUTSIDE THE CLASSROOM

Humanities, Arts and Social Sciences

Understanding societal needs

Design Innovation / Entrepreneurship

Design-centric experience & impact

Artificial Intelligence / Data Science

Harnessing digital technologies

Fifth Row

Dedicated time to pursue personal interests

Overseas Opportunities

Research

Fifth Row (i.e. co-curricular activities)

MINORS

SPECIALISATIONS

OUTSIDE THE CLASSROOM

*All students have overseas, internship and research opportunities.
You will be architects and urban designers of the future. You will not just build structures – you will build better communities and a better tomorrow through the power of design and technology.

Bachelor of Science (Architecture and Sustainable Design) - 8 terms
Master of Architecture - Additional 2 terms

You are the drivers of the future's digital development. You will possess abilities in computing and system knowledge in both software and hardware, as well as the power to design machines of the future with augmented intelligence.

Specialisations
- Artificial Intelligence
- IoT and Intelligent Systems
- Visual Analytics and Computing
- Data Analytics
- Financial Technology
- Security
- Custom Specialisation

Bachelor of Engineering (Information Systems Technology and Design) - 8 terms

You will be analysts and system engineers who tackle open-ended challenges for organisations with a focus on design, analysis and optimisation. Whatever the challenge, your expertise in systems thinking and economics will find a way forward.

Specialisations
- Aviation
- Business Analytics and Operations Research
- Financial Services
- Supply Chain and Logistics
- Urban Infrastructure Systems

Bachelor of Engineering (Engineering Systems and Design) - 8 terms
Bachelor of Science (Architecture and Sustainable Design) - 8 terms

Bachelor of Science (Design and Artificial Intelligence) - 8 terms

You will be designers and innovators who harness the power of AI to tackle both present and future challenges, improving design using AI across products, systems, services and the built environment.

Specialisations
- Mechanical Engineering
- Electrical Engineering
- Robotics

Bachelor of Engineering (Engineering Product Development) - 8 terms

SUTD’s multi-disciplinary approach to design and architecture is its key differentiator. Working together with other programmes extends the toolkit and repertoire of an architect, to create tightly integrated and innovative new solutions.

Jonathan Ng
ASD Alumnus
Master of Architecture student at Harvard Graduate School of Design

On top of our majors, SUTD’s suite of special programmes are designed to stretch your abilities beyond technology and design.

SUTD TECHNOLOGY ENTREPRENEURSHIP PROGRAMME (STEP)
A WORLD OF INNOVATION AND ENTREPRENEURIAL OPPORTUNITIES
supt.edu.sg/step

SUTD HONOURS AND RESEARCH PROGRAMME (SHARP)
RESEARCH THAT TRANSCEEDS DISCIPLINES AND GLOBAL BOUNDARIES
supt.edu.sg/sharp

SUTD-DUKE-NUS SPECIAL TRACK
WHERE DESIGN, TECHNOLOGY AND MEDICINE MEET
supt.edu.sg/specialprogrammes

Learn more about our Special Programmes

On top of our majors, SUTD’s suite of special programmes are designed to stretch your abilities beyond technology and design.

Graduate with a Bachelor of Engineering or Science degree and a Master of Science in Technology Entrepreneurship degree

Graduate with a Bachelor of Engineering or Science degree, with the option to pursue a graduate degree such as a Doctor of Philosophy in Engineering or a Master of Engineering (Research).

Graduate with a Bachelor of Engineering or Science degree and a Doctor of Medicine (MD) degree at Duke-NUS Medical School.
GLOBAL EXPOSURE

We offer overseas opportunities for 100% of our students, leveraging the world as your classroom. To better the world, first see and experience the world, and what it needs. Look forward to cultural exchanges, design experiences, research exposure and even launching a global start-up.

1-term Exchange Programmes
Spend an exciting Term 6 living and learning in one of our partner universities worldwide. You will be able to transfer credits earned back to SUTD.

Summer Programmes
We also offer a suite of short-term summer programmes offering varied experiences, from thematic design projects to entrepreneurship.

FRESHMORE ASIAN CROSS-CURRICULAR TRIPS (FACT)

FACT, which is subsidised by SUTD, offers all Freshmore students the opportunity to expand their learning overseas. You will gain global exposure as well as invaluable insights into local culture learning alongside students from our partner universities.

STUDENT LIFE WITH A UNIVERSAL APPEAL

Vibrant Student Life
Fifth Row is what we call co-curricular activity at SUTD — it is the fifth activity that students do every term in addition to their four academic subjects.

Hostel Life
All Freshmore students will stay in the hostel for the first three terms. Between mass cookouts and impromptu jamming sessions, this is where you make friends for life.

90 Student Clubs and growing

DEicated time to pursue your interests

Wednesday & Friday afternoons
PREPARING YOU TO TAKE ON THE WORLD

SUTD graduates go on to pursue their passion in graduate school or research, join MNCs and start-ups, or even start their own businesses.

SUTD students are passion-driven innovators and some have even founded start-ups before graduation. These include:

- Creating wearable tech - Ring Theory
- Digitising payment solutions - Beep
- Reducing food wastage - UglyFood
- Discover, engage and measure authentic social media influencers with AI - Affable
- Nurturing young innovators - Codomo

For more details on application, visit sutd.edu.sg/apply

ADMISSION PROCESS

Our application is not a test — it is an opportunity for us to learn as much about you as possible. Beyond grades, share with us your passions, abilities and goals.

1. Create an account at admission.sutd.edu.sg
2. Submit your grades, list your CCAs and other achievements (with supporting documents, such as School Graduation Certificate and equivalent), and provide your teachers’ contacts for recommendation letters.
3. Indicate your interest to be considered for scholarships or any special programmes.
4. [Encouraged] Upload any supplementary materials (a link to your blog, a video, etc.) that would tell us why you are a good fit for SUTD.
5. Answer a few personal insight questions. Shortlisted candidates will need to attend an admission interview.

*Based on the results of the 2019 Joint Graduate Employment Survey conducted by Singapore’s autonomous universities.
FINANCING YOUR SUTD EDUCATION

SUTD’s admissions policy is need-blind and merit-based. If you are a right fit for SUTD, we are committed to making it accessible for you.

For more details on financing your studies, visit sutd.edu.sg/UGfinancing

SUTD EDUCATION OPPORTUNITY GRANT (SEOG)

SEOG is a financial package aimed at helping students with demonstrated financial need to offset the educational expenses at SUTD.

Eligible students are guaranteed the following:

- $1,500 per academic term to offset tuition fees
- No interviews, no bonds
- No limit to the number of recipients

With this upfront guarantee, you can now take financing out of your enrolment decision and focus on pursuing your interests and passions at SUTD without having to worry about affordability.

For more details, visit sutd.edu.sg/SEOG

SUTD COMMUNITY GRANT

This grant was introduced in AY2020 to help students who do not receive a scholarship or qualify for financial aid, to defray the costs of an SUTD education. For details on eligibility, visit sutd.edu.sg/communitygrant

- $1,500 per academic term to offset tuition fees
- No application needed

Eligible students will automatically benefit

FINANCIAL SUPPORT FOR ALL

TUITION FEES

To mitigate the impact of these challenging times, SUTD will freeze tuition fee increases for Singapore Citizens admitted to government-subsidised undergraduate programmes in AY2020.

Subsidised tuition fees per term:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singapore Citizen</td>
<td>$6,600</td>
</tr>
<tr>
<td>Singapore Permanent Resident</td>
<td>$9,300</td>
</tr>
<tr>
<td>International Student</td>
<td>$14,225</td>
</tr>
</tbody>
</table>

Above tuition fees are for new students admitted in AY2020. For latest fees, please visit sutd.edu.sg/fees

SCHOLARSHIPS

Outstanding students can be considered for attractive, prestigious scholarships. For more details, visit sutd.edu.sg/scholarship

- 100% bond-free
- >100 with funded overseas exposure

SUTD GLOBAL EXCELLENCE SCHOLARSHIP

One of our most prestigious scholarships, it is dedicated to further realising outstanding students’ potential by supporting your personal development, including postgraduate studies and more.

- Bond-free
- Covers subsidised tuition fees for the normal duration for the bachelor’s degree programme (eight academic terms)
- Programme fees and travel grant for the Global Leadership Programme
- Study-related allowance of S$5,000 every two academic terms
- Grant of up to S$15,000 to cover the tuition fees for a post-graduate degree programme at either SUTD or SMU (for eligible courses) within three years upon graduating from SUTD

SUTD’s unique multi-disciplinary curriculum gives their graduates an edge in integrated solution and systems thinking, especially important under the changing aviation landscape.

Mr Yam Kum Weng
Executive Vice President, Airport Development
Changi Airport Group

SEOG is a financial package aimed at helping students with demonstrated financial need to offset their educational expenses at SUTD. For more details on SEOG, visit sutd.edu.sg/SEOG
For enquiries: sutd.edu.sg/prospectivestudent
Scan for more about SUTD.