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.

DESIGN GOES BEYOND AESTHETICS — IT TRANSFORMS THE WAY WE LIVE.

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 IN THE WORLD**
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**

**40% FEMALE STUDENT COHORT**

**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 1,200 INTERNSHIP PARTNERS**
> 1 in 4 landed return job offers after internship

**95.9% EMPLOYED WITHIN SIX MONTHS OF COMPLETING FINAL EXAMINATIONS. HIGHEST STARTING SALARY OF $4,369**

*Overall employment rate. *Mean gross monthly salary. Source: 2020 Joint Graduate Employment Survey by NTU, NUS, SIT, SMU, SUSS and SUTD
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’.

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

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.

NURTURE 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.

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

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 programmes are created around these four key concepts:

- **CURRICULUM**
- 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.

## ACADEMIC CALENDAR

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>VACATION/ SUMMER PROGRAMME</td>
<td>Freshmore</td>
</tr>
<tr>
<td>Y2</td>
<td>Sophomore</td>
<td>Junior</td>
<td>VACATION/EXCHANGE/ INTERNSHIP</td>
</tr>
<tr>
<td>Y3</td>
<td>Junior</td>
<td>VACATION/INTERNSHIP/ SUMMER PROGRAMME</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).

## LEARNING OUTCOMES

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

* 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

## 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.
**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

**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.

**MAJORS**

- Architecture and Sustainable Design (ASD)
- Computer Science and Design (CSD)
- Design and Artificial Intelligence (DAI)
- Engineering Product Development (EPD)
- Engineering Systems and Design (ESD)

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 Computer Science (CS)
- Minor in Design Innovation, Ventures and Entrepreneurship (DIVE)
- Minor in Design, Technology and Society (DTS)
- Minor in Digital Humanities (DH)
- Minor in Engineering Product (EP)
- Minor in Engineering Systems (ES)
- Minor in Healthcare Informatics (HI)

**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**

Watch how our students from different majors come together to solve real-world challenges.
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 and Urban Systems
- Business Analytics and Operations Research
- Financial Services
- Supply Chain and Logistics

**Bachelor of Engineering** *(Engineering Systems and Design)*
- 8 terms

**Master of Architecture**
- Additional 2 terms

---

**ARCHITECTURE AND SUSTAINABLE DESIGN (ASD)**

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

---

**COMPUTER SCIENCE AND DESIGN (CSD)**

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**
- IoT and Intelligent Systems
- Data Analytics
- Financial Technology
- Visual Analytics and Computing
- Artifical Intelligence
- Security
- Custom Specialisation

**Bachelor of Engineering** *(Computer Science and Design)*
- 8 terms

---

**ENGINEERING PRODUCT DEVELOPMENT (EPD)**

You will be design engineers that believe any challenge can be overcome with an invention or innovation. Using your skills and knowledge to design products, services and systems to solve any problem.

**Specialisations**
- Mechanical Engineering
- Electrical Engineering
- Robotics
- Healthcare Engineering Design
- Computer Engineering
- Beyond Industry 4.0
- Self-Directed Specialisation

**Bachelor of Engineering** *(Engineering Product Development)*
- 8 terms

---

**ENGINEERING SYSTEMS AND DESIGN (ESD)**

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**
- IoT and Intelligent Systems
- Data Analytics
- Financial Technology
- Visual Analytics and Computing
- Artifical Intelligence
- Security
- Custom Specialisation

**Bachelor of Engineering** *(Computer Science and Design)*
- 8 terms

---

**DESIGN AND ARTIFICIAL INTELLIGENCE (DAI)**

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**
- Enterprise Design
- Healthcare Design

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

---

**SPECIAL PROGRAMMES**

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

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

Learn more about our Special Programmes

sutd.edu.sg/specialprogrammes

---

**SUTD HONOURS AND RESEARCH PROGRAMME (SHARP)**

RESEARCH THAT TRANSCENDS DISCIPLINES AND GLOBAL BOUNDARIES

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).

---

**SUTD-DUKE-NUS SPECIAL TRACK**

WHERE DESIGN, TECHNOLOGY AND MEDICINE MEET

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

---

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

We offer physical and virtual overseas opportunities for 100% of our students, leveraging the world as your classroom. To better the world, first see and experience it. 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 exchange after Term 5 or in 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.

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.

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

Freshmore Asian Cross-curricular Trips (FACT)
FACT, which is subsidised by SUTD, offers all Freshmore students the opportunity to expand their learning through virtual, cyber-physical and/or overseas programmes. You will gain global exposure as well as invaluable insights into local culture learning alongside students from our partner universities.
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

1,200 industry partners
>1 in 4 landed return job offers after internship
$4,369$ more job offers

95.9% employed within six months of completing final examinations
Highest starting salary across all surveyed universities

$4,235
$114

66 start-ups & growing

Source: 2020 Joint Graduate Employment Survey by NTU, NUS, SIT, SMU, SUSS and SUTD

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 and list your experiences in leadership, involvement in relevant research/internship/entrepreneurship programmes, community service, and significant achievements.
3. [Encouraged] Provide your referee's contact details for recommendation and/or upload relevant testimonials.
4. Answer two personal insight questions.
5. Indicate your interest to apply for scholarships or any special programmes and answer some questions to support your application.
6. Shortlisted applicants will need to attend an admission interview.

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

- **$** Covers up to 100% tuition fees & hostel fees
- **$** 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 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

TUITION FEES

Tuition fees at SUTD are highly subsidised by the Singapore Government. This substantial subsidy comes in the form of a tuition grant administered by the Singapore Government that allows eligible students to pay subsidised tuition fees.

Subsidised tuition fees per term:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Singapore Citizen</td>
<td>$6,650</td>
</tr>
<tr>
<td>Singapore Permanent Resident</td>
<td>$9,375</td>
</tr>
<tr>
<td>International Student</td>
<td>$14,350</td>
</tr>
</tbody>
</table>

Above tuition fees are for new students admitted in AY2021. 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 $5,000 every two academic terms
- Grant of up to $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