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**

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

**94% EMPLOYED WITHIN 6 MONTHS OF GRADUATION. HIGHEST STARTING SALARY OF S$4,071**
Source: 2018 Joint Graduate Employment Survey by Singapore’s autonomous universities
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.

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.


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.


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.

Find out more about (these)abilities

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.


TRANSFORMING THE WAY WE LIVE:

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.

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.

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.

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.

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.

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.
**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></td>
<td>Freshmore</td>
<td>TERM 2</td>
<td>TERM 3</td>
</tr>
<tr>
<td>Y1</td>
<td>Freshmore</td>
<td>VACATION/</td>
<td>Freshmore</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUMMER PROGRAMME</td>
<td></td>
</tr>
<tr>
<td>Y2</td>
<td>Sophomore</td>
<td>TERM 4</td>
<td>TERM 5</td>
</tr>
<tr>
<td></td>
<td>+ ASD/DAI/EPD/ESD/ISTD</td>
<td>Junior</td>
<td>VACATION/EXCHANGE/</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y3</td>
<td>Junior</td>
<td>TERM 6</td>
<td>TERM 7</td>
</tr>
<tr>
<td></td>
<td>+ ASD/DAI/EPD/ESD/ISTD</td>
<td>VACATION/INTERNSHIP/</td>
<td>Senior</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SUMMER PROGRAMME</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y4</td>
<td>Senior</td>
<td>TERM 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>+ ASD/DAI/EPD/ESD/ISTD</td>
<td></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).

**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.

---

**LEARNING OUTCOMES**

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

**TERM 2**
- Modelling & Analysis
  - Modelling Space & Systems
    - Science for a Sustainable World
    - Design Thinking & Innovation
  - Physical World
  - Computational Thinking for Design
  - World Texts & Interpretations (HASS)

**TERM 3**
- Modelling Uncertainty
  - Modelling Society, Self, & Culture (HASS)
  - Elective
  - Elective

More flexibility to pursue your interests – choose any two of the following electives:
- Science and Technology for Healthcare
- Data Driven World
- Designing Energy Systems
- Spatial Design World

---

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

---

"Interdisciplinary learning & research
Design focus & human-centred
Digital competency as a foundation
Addressing large-scale real world problems"
# 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)
- Design and Artificial Intelligence (DAI)
- Engineering Product Development (EPD)

- Engineering Systems and Design (ESD)
- Information Systems Technology and Design (ISTD)

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.

**Variables**

- Includes subsidised overseas immersion trips

# Outside the Classroom

- Fifth Row
- Overseas Opportunities
- Internships
- Research

- Design Innovation / Entrepreneurship
- harnessing digital technologies

**Design Innovation**

- Design-centric experience & impact

**AI / Data Science**

- Harnessing digital technologies

**Humanities, Arts and Social Sciences**

- Understanding societal needs

# 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 each major
- 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

- Fifth Row (i.e. co-curricular activities)
- Research
- Global exposure
- Internships

**Customisable Curriculum**

- Mandatory Core Curriculum
- Variable Curriculum
- Outside the Classroom

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

** uncomfortable adaption **
PROGRAMMES

5

MAJORS

Choice of major is only made at the end of the Freshmore year (first three 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

INFORMATION SYSTEMS TECHNOLOGY AND DESIGN (ISTD)

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
- Computer Engineering
- Data Analytics
- Financial Technology
- Security
- Custom Specialisation

Bachelor of Engineering (Information Systems Technology 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

SPECIAL PROGRAMMES

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

ENGINEERING SYSTEMS AND DESIGN (ESD)

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

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.

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

SUTD-DUKE-NUS SPECIAL TRACK

Where design, technology and medicine meet

A world of innovation and entrepreneurial opportunities

Research that transcends disciplines and global boundaries

Learn more about our Special Programmes
sutd.edu.sg/specialprogrammes

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.

Choice of major is only made at the end of the Freshmore year (first three terms)
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.

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 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.

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.
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

Based on the results of the 2018 Joint Graduate Employment Survey conducted by NTU, NUS, SIT, SMU, SUSS and SUTD

<table>
<thead>
<tr>
<th>Overall employment rate</th>
<th>Mean gross monthly salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>94%*</td>
<td>S$4,071</td>
</tr>
</tbody>
</table>

Graduates secured jobs in 78.6% of Singapore’s key industries

Employed within 6 months of graduation

1 in 4 receive return offers after internship

40 start-ups & growing

78.6% starting salary

More than 1,000 internship partners

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.

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 is 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

Tuition Fees

Subsidised tuition fees per term:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Singapore Citizen</td>
<td>S$6,600</td>
<td></td>
</tr>
<tr>
<td>Singapore Permanent Resident</td>
<td>S$9,250</td>
<td></td>
</tr>
<tr>
<td>International Student</td>
<td>S$14,125</td>
<td></td>
</tr>
</tbody>
</table>

Above tuition fees are for new students admitted in AY2019. 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

NEW! 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

FINANCIAL SUPPORT FOR ALL

Subsidised tuition fees per term:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Singapore Citizen</td>
<td>S$6,600</td>
<td></td>
</tr>
<tr>
<td>Singapore Permanent Resident</td>
<td>S$9,250</td>
<td></td>
</tr>
<tr>
<td>International Student</td>
<td>S$14,125</td>
<td></td>
</tr>
</tbody>
</table>

Above tuition fees are for new students admitted in AY2019. For latest fees, please visit sutd.edu.sg/fees

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 is 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

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

Eligible students will automatically benefit

SCHOLARSHIPS

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

NEW! 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

FINANCIAL SUPPORT FOR ALL

Subsidised tuition fees per term:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Singapore Citizen</td>
<td>S$6,600</td>
<td></td>
</tr>
<tr>
<td>Singapore Permanent Resident</td>
<td>S$9,250</td>
<td></td>
</tr>
<tr>
<td>International Student</td>
<td>S$14,125</td>
<td></td>
</tr>
</tbody>
</table>

Above tuition fees are for new students admitted in AY2019. For latest fees, please visit sutd.edu.sg/fees

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 is 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

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

Eligible students will automatically benefit