

SUTD HONOURS AND RESEARCH PROGRAMME (SHARP)

Nurturing future researchers capable of developing breakthrough technologies to transform industries and create a better world.



The SUTD Honours and Research Programme (SHARP) is a premier structured research-oriented programme for academically bright students with a highly inquisitive mind, and who aspire to pursue a research-related career later in universities, research labs and high tech industries. SHARP will nurture you into a research scientist and engineer capable of integrating disciplines to develop cutting edge and trailblazing technologies to transform industries.

PROGRAMME HIGHLIGHTS

- Builds on SUTD's unique interdisciplinary environment and harnesses our expertise and research across products, systems, information technology and the built environment, to produce breakthrough solutions that could transform industries.
- Explore various research topics before finalising your research project in Term 6, which will culminate in a final research thesis in Term 8.
- Learn to produce high quality research critical for future studies in graduate schools through 1:1 close faculty research supervision.
- Gain exposure to the world of research through overseas visits and undertake a mandatory internship at research institutes.
- Opportunity to present your research paper at funded overseas conferences, and broaden your horizons through a funded summer programme at a partner university of your choice under the Global Leadership Programme (GLP).

Upon graduating with a Bachelor of Engineering (B.Eng) or Bachelor of Science (B.Sc), you will have the option of applying for a Doctor of Philosophy (PhD) in Engineering or Master of Engineering (M.Eng) (Research) with SUTD or for overseas graduate schools.

PROGRAMME STRUCTURE

Eight terms

JAN - APR	MAY - AUG	SEP - DEC
		TERM 1 • Freshmore subjects • Honours session
TERM 2 • Freshmore subjects • Honours session • Optional UROP [#]	VACATION/ SUMMER PROGRAMME Overseas summer programme	TERM 3[*] • Freshmore subjects • Honours session • Optional UROP [#]
TERM 4 • Subjects from Major • Research project	TERM 5 • Subjects from Major • Research project • Optional overseas study trip during Independent Activity Period (IAP)	VACATION/INTERNSHIP/ EXCHANGE Research internship at local/overseas research institute
TERM 6[*] • Subjects from Major • Research project	VACATION/INTERNSHIP/ SUMMER PROGRAMME Research internship at local/overseas research institute	TERM 7 • Subjects from Major • Capstone project • Research project
TERM 8 • Subjects from Major • Capstone project • Research thesis submission		TERM 9 (OPTIONAL) POSTGRADUATE TERM 1 Admission to SUTD graduate studies – PhD or M.Eng (Research)

[#] SUTD Undergraduate Research Opportunities Programme. For more details, please visit sutd.edu.sg/urop

[^] For continuation in SHARP, students must pass at least two Honours sessions and attain a minimum CGPA of > 3.5 at the end of Term 3. All students are to indicate their choice of major after the end of Term 3.

^{*} SHARP students are also eligible for overseas exchange in Term 6.

ACADEMIC CALENDAR

On top of the normal undergraduate curriculum which spans 8 terms for B.Eng or B.Sc., you will:

- Undertake honours sessions in the form of advanced classes during the Freshmore terms to equip you with research methodology and to deepen your subject domain knowledge.
- Conduct research under the guidance of a faculty advisor from Term 4 onwards (optional to participate in Undergraduate Research Opportunity Programme (UROP) in terms 2 and 3).
- Complete an individual undergraduate research thesis in Term 8.

APPLICATION AND SCHOLARSHIPS

Application is open to high-achieving students who fulfil the following criteria:

- Have outstanding academic results especially in Mathematics and Science.
- Experience in the form of participation in science competitions, engineering fairs, SUTD Research Mentorship Programme, etc. will be considered favourably.
- Possess good records of leadership experience and community service.

In your online admission application to SUTD, you should indicate your interest in SHARP and complete a 300-word response on your research experience and passion. If you are shortlisted, you will be required to attend an interview with the SHARP faculty committee.

Outstanding students who are offered admission to SHARP will be awarded attractive SUTD-administered scholarships, as well as **\$7,500 in research stipends*** and **\$7,500 in travel grants** for research-related travel.

^{*}Stipends will be capped at \$1,500 per term to be drawn down from Term 4 onwards upon approval to conduct a research project supported by a faculty member.

For more information, please visit sutd.edu.sg/SHARP

