

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 visits to and internship at research institutes.
- Opportunity to present your research paper at overseas conferences.

Programme Structure (Eight Terms)

JAN - APR	MAY - AUG	SEP - DEC
		TERM 1 <ul style="list-style-type: none"> • Freshmore subjects • Honours session
TERM 2 <ul style="list-style-type: none"> • Freshmore subjects • Honours session • Optional UROP 	Vacation/Summer Programme Overseas summer programme	TERM 3[^] <ul style="list-style-type: none"> • Freshmore subjects • Honours session • Optional UROP
TERM 4 <ul style="list-style-type: none"> • Subjects from Major • Research project 	TERM 5 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Subjects from Major • Research project 	Vacation/Internship/Summer Programme Research internship at local/overseas research institute	TERM 7 <ul style="list-style-type: none"> • Subjects from Major • Capstone project • Research project
TERM 8 <ul style="list-style-type: none"> • Subjects from Major • Capstone project • Research thesis submission 		TERM 9 (OPTIONAL) Postgraduate Term 1 Admission to SUTD graduate studies - PhD or M.Eng (Research)

[^] 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 Calender

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 two short-response questions on your motivation, research experience and interest. If you are shortlisted, you will be required to complete a short assignment and attend an interview with the SHARP faculty committee.

Outstanding students who are offered admission to SHARP may be awarded attractive SUTD-administered scholarships. In addition, all SHARP students will receive **\$7,500 in research stipends*** and **\$7,500 in travel grants** for research-related expenses.

*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.

