

SINGAPORE UNIVERSITY OF SOCIAL SCIENCES

Overview

Singapore University of Social Sciences (SUSS) is a university with a rich heritage in inspiring lifelong education and transforming society through social sciences. We develop work-ready graduates and work-adaptive alumni to their fullest potential through our 3H's education philosophy – 'Head' for professional competency with applied knowledge, 'Heart' for social awareness of the needs of the society, and 'Habit' for passion towards lifelong learning. The university offers more than 90 undergraduate and graduate programmes, available in full- and part-time study modes which are flexible, modular and inter-disciplinary, catering to both fresh school leavers and adult learners. To date, over 44,000 graduates have experienced SUSS' unique brand of education and each year, over 21,000 students are pursuing their full- and part-time studies with the university. Eligible students taking SUSS undergraduate programmes enjoy government tuition grants or subsidies, and have access to financial assistance schemes including scholarships, bursaries and tuition fee loans.

About School of Science and Technology

The School of Science and Technology (SST) is multidisciplinary in nature and offers a wide range of degree programmes that includes Infocomm Technology, Digital Media, Aerospace Systems, Biomedical Engineering, Electronics Engineering, Human Factors, Facilities and Events Management, Building and Project Management, and Mathematics. The combination of high-quality curricula and dedicated teaching staff offers students a well-rounded education that enhances their knowledge and learning in science and technology, as well as provide them with greater opportunities to develop intellectually and professionally and expand their range of career paths.

BEng Aerospace Systems

The SST's Bachelor of Engineering Aerospace Systems is accredited by the Engineering Accreditation Board (EAB), Institution of Engineers Singapore (IES). Through this accreditation the BEng Aerospace Systems is recognized internationally following the Washington Accord.

The BEHAS programme provides a firm grounding in aerospace engineering (material, structure, aerodynamics, control, propulsion, design), avionics systems and aviation management. It is designed for individuals aspiring to excel in the aerospace industry as well as for those who are keen on enhancing knowledge, skills and understanding of aviation. Rigorous academic training in analytical, computational and system design skills also enables our graduates to find their career path in non-aerospace industries such as robotics, ground transportation, automotive, mechatronics, and software companies.

Our approach towards education has always hinged on the philosophy of "learn today, apply tomorrow". And this is only possible because our teaching staff are in touch with the cutting edge of the industry. We collaborate with industry and engage many of their senior management to develop and teach in our courses, exposing the students to the best practices in the industry within the classroom.

In addition, our partnership with a world renowned aerospace academic institution, Cranfield University, together with our local industry partners such as ST Engineering Aerospace and Republic of Singapore Air Force ensures that our curriculum stays relevant to the industry.

A Primer on Aerospace and Aviation at Cranfield University, U.K.

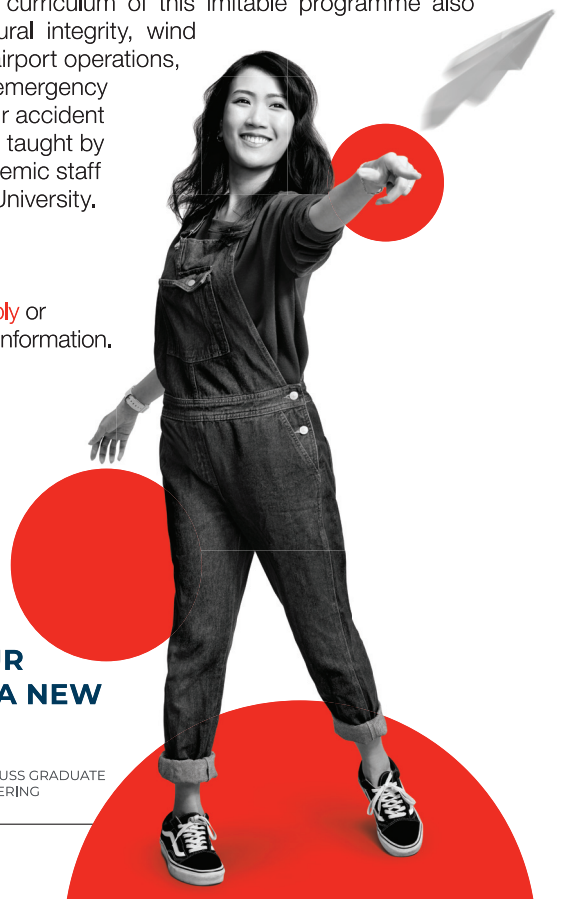
This five-day, full-time course conducted in Cranfield University is a unique course embedded in our programme which essentially provides a level of exposure not commonly featured elsewhere: Students take flight laboratory in an airplane to learn how to evaluate flight performance and dynamics. The curriculum of this imitable programme also includes structural integrity, wind tunnel testing, airport operations, accident and emergency handling, and air accident investigation, all taught by renowned academic staff from Cranfield University.

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