

ENGINEERING PRODUCT DEVELOPMENT (EPD)

All SUTD students are required to take foundational subjects in humanities and the sciences as part of their curriculum. They engage in a rigorous curriculum that focuses on design and on a modern pedagogical approach where students learn to solve complex problems in interdisciplinary teams.

In Term 4, EPD students participate in common foundation classes in both Mechanical and Electrical subjects. From Term 5 onwards, aside from EPD core subjects, students can choose from a variety of Humanities, Arts and Social Sciences (HASS) electives and Technical Application (TECH) Electives.

In Terms 7 and 8, the Capstone is a culminating project that allows students to use the skills they have mastered in EPD in a real world industry or research project. The Capstone projects focus on interdisciplinary applications, solved by a team of students chosen appropriately from different majors.

JAN - APR		MAY - AUG		SEP - DEC	
				TERM 1	
				Modelling & Analysis	
				Physical World	
				Computational Thinking for Design	
				Global Humanities: Literature, Philosophy & Ethics (HASS)	
TERM 2		Vacation/ Summer Programme		TERM 3	
Modelling Space & Systems				Modelling Uncertainty	
Technological World				Social Science: Understanding Behaviour, Culture & Society (HASS)	
Science for a Sustainable World				Any 2 electives: Science & Technology for Healthcare Data Driven World Designing Energy Systems Spatial Design World	
Design Thinking & Innovation					
TERM 4		TERM 5		Vacation/ Internship/ Exchange	
Engineering Design Innovation		Systems & Control			
Circuits & Electronics		Fluid Mechanics/Electromagnetics & App			
Structures & Materials		Computational & Data-Driven Engineering			
HASS		HASS			
TERM 6		Vacation/ Internship/ Summer Programme		TERM 7	
Elective				Capstone	
Elective				Elective	
Elective				Elective	
HASS				HASS	
TERM 8					
Capstone					
Elective					
Elective					
HASS					

● Freshmore Subject
 ● Core Subject
 ● Humanities, Arts & Social Sciences (HASS) Subject
● Elective
 ● Capstone