SUTD GRADUATE PROGRAMMES

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN

SUTD Engineering Doctorate (EngD) Programme

(Full-Time/Part-Time)

Programme Overview

The SUTD Engineering Doctorate (EngD) provides graduate students with **industry-relevant training** to enable the translation of research & development (R&D) efforts into tangible products, systems and services.

In general. the EngD is oriented toward research of a **technical readiness level** (TRL) of 3–4, compared with a PhD degree that is traditionally oriented toward a TRL of 1–2.

EngD students must demonstrate a high level of expertise in both theoretical scientific principles and the implementation of said theory on **realistic and industry-relevant needs**. EngD students will be co-supervised by SUTD faculty members and industry supervisors.

In additional to passing the EngD qualifying examination (within 2 years) and submitting an EngD thesis, students are required to complete the following coursework components: (*refer to overleaf for more details*)

- 4 **Professional Development Short Courses**
- 2 **Technical Courses**
- 2 **PhD-Level Seminars**

Candidature Period

Full-Time	3 to 5 years (Maximum candidacy of 5 years)
Part-Time	4 to 5 years (Maximum candidacy of 5 years)

Admission Requirements

Applicants should possess the following:

- At least a Bachelor's degree or above with excellent academic standing

- Proficiency in English (IELTS or TOEFL is required if English is not your medium of instruction in your studies)

Admission Schedule / Deadline

There are two EngD intakes a year, in **September** and **January**. The deadline for each intake is:

September Intake: **End of March**
January Intake: **End of September**

Please apply at **https://admission.sutd.edu.sg**

Contact Us

Application, Admission & Scholarships:

Office of Graduate Studies: phd@sutd.edu.sg

View Faculty's Research Here:

ASD	https://asd.sutd.edu.sg/people/faculty/
EPD	https://epd.sutd.edu.sg/people/faculty/
ESD	https://esd.sutd.edu.sg/people/faculty/
ISTD	https://istd.sutd.edu.sg/people/faculty/
Sci & Math	https://academics.sutd.edu.sg/science-math/science-faculty/

View SUTD Research Centres Here:
https://sutd.edu.sg/Research/Research-Centres

View Selected Research Projects:
https://sutd.edu.sg/Admissions/Graduate/Graduate-Research/Projects-and-opening

Attractive Scholarship Funding

Economic Development Board (EDB) Industrial Postgraduate Programme (IPP)

The EDB-IPP offers you the opportunity to pursue a company-related research project as your EngD thesis while continuing as a full-time company employee.

For IPP Partnering Companies

- Must be based in Singapore
- Have an established corporate R&D presence in Singapore (i.e. Doctorate-level researchers, good track record of research activities, etc.)
- Committed to supporting IPP trainees toward attaining MEng or Doctoral qualifications

For IPP Trainees

- Singapore Citizens / PRs only
- Eligible to pursue MEng or Doctoral studies
- Must be an employee of the Partnering Company (may be either new or existing employee)

SUTD Graduate Scholarships

SUTD President's Graduate Fellowship

- Open to all nationalities
- Full tuition fees
- Monthly stipend of:
  - **S$3,500** (Singapore Citizens)
  - **S$3,200** (Singapore Permanent Residents)
  - **S$3,000** (International Students)
- CPF contribution (Singapore Citizens only)
- Annual conference funding support
- Opportunities for sponsored overseas research, attachments and industry internships

SUTD EngD Fellowship

- Open to all nationalities
- Full tuition fees
- Monthly stipend of:
  - **S$3,200** after passing Qualifying Exam (Singapore Citizens)
  - **S$2,700** after passing Qualifying Exam (Singapore Permanent Residents)
  - **S$2,500** after passing Qualifying Exam (International Students)
- CPF contribution (Singapore Citizens only)

Professional Development Short Courses

These short courses will provide EngD students with a well-rounded and holistic education. Topics covered include:

- **Intellectual Property (IP) Clinic**
  Learn more about the fundamentals of IP and why it is an essential part of a business growth strategy.
- **Scientific and Grant Writing**
  Develop your scientific writing and grant proposal writing skills.
- **Entrepreneurship**
  A practical-oriented course that teaches you how to turn business or product ideas into a successful commercial venture.
- **Private Equity (PE) & Fund Raising for Businesses**
  Acquire practical knowledge, competencies and key insights regarding the PE industry.
- **Corporate Grooming & Personal Branding**
  Groom your professional image and build up your business etiquette for better work relationships.
- **Leadership & Teamwork**
  Learn how emotional intelligence can positively impact team dynamics and professional engagements.

Technical Courses

These technical modules will provide EngD students with the core skills necessary for robust research. Some examples include (but are not limited to):

Engineering Product Development (EPD)

- Applied Mathematics for Engineering
- Design Science
- Computational Science and Engineering
- Optimization and Control
- Research Methods

Engineering Systems and Design (ESD)

- Linear Optimization
- Operations Management
- Probability Theory
- Statistics
- Stochastic Modeling

Information Systems Technology and Design (ISTD)

- Analysis of Algorithms
- Computer Networks
- Machine Learning
- Software Engineering
- Wireless Communications and Networking