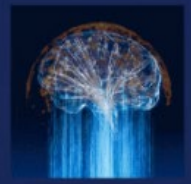
MSC DAI-E





MASTER OF SCIENCE IN DESIGN AND AI FOR ENTERPRISE (MSC DAI-E)



SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN

"The MSc DAI-E programme combines AI expertise with design thinking methodologies and hands-on industry experience throughout a well-rounded and holistic programme.

The only subsidised MSc in AI for eligible Singaporean Citizens and Singaporean Permanent Residents."

MSC DAI-E PROGRAMME STRUCTURE (FULL-TIME)

JAN - APR	MAY - AUG	SEP - DEC
		TERM 1
		Mathematics for AI
		Production-Ready Machine Learning
		Innovation by Design
		MSc DAI-E Studio project (1 yr-long)
TERM 2	**TERM 3**	
Deep Learning for Enterprise	Elective #1	
Humanistic Design: Ethics, Care and Accountability in the Age of AI	Elective #2	
Multimodal Generative AI	Elective #3	
MSc DAI-E Studio project (1 yr-long)	MSc DAI-E Studio project (1 yr-long)	

- 1-year full-time programme
- 6 core courses and 3 electives for specialisation, integrated with professional certifications.
- A holistic Design·AI curriculum interleaving Design, AI and Enterprise expertise, via coursework and projects work.
- One year-long, hands-on, signature MDAIE Studio project with an industry partner.
- 50%/70% tuition fee subsidy for SPR/SC respectively.

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MSC DAI-E PROGRAMME STRUCTURE (PART-TIME)

JAN - APR	MAY - AUG	SEP - DEC
		Y1 TERM 1
		Mathematics for AI
		Production-Ready Machine Learning
Y1 TERM 2	**Y1 TERM 3**	**Y2 TERM 1**
Deep Learning for Enterprise	Elective #1	Innovation by Design
Multimodal Generative AI	Elective #2	MSc DAI-E Studio project (1 yr-long)
Y2 TERM 2	**Y2 TERM 3**	
Humanistic Design: Ethics, Care and Accountability in the Age of AI	Elective #3	
MSc DAI-E Studio project (1 yr-long)	MSc DAI-E Studio project (1 yr-long)	

- Now also available as a 2-year part-time programme.
- Identical in course content, studio and subsidised tuition fees to full-time programme.
- Courses to be scheduled in weekdays evenings.
- First intake AY2026.

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN

Our signature MSc DAI-E Studio Project

- Hands-on Design and AI Challenge: Students will gain hands-on experience by applying AI, Design, and Enterprise concepts to design and implement an AI-driven application that delivers real-world solutions.
- Year-long in-depth projects with dedicated studio time: Students will engage in a year-long project designed for in-depth exploration and development, supported by two full weekdays without scheduled courses dedicated to studio work.
- SUTD and industry mentors: Students receive regular mentoring from both an SUTD expert mentor and an industry mentor. Regular milestone updates are required.
- Specialisation alignment: Projects are preferably, though not necessarily, aligned with each student's chosen specialisation track.

Examples of Past Problem Statements

- Embodied AI
  E.g. Develop AI-enabled mobile systems that are able to navigate public environments and perform daily tasks safely.

- Security & AI
  E.g. Develop a secure, centralised system to detect and mitigate threats of cyber intrusion, or fraudulent transactions in industrial environments.

- Human Centred Design
  E.g. Design a friendly-looking construction robot that can promote user engagement and reduce operation mental stress during emergencies.

- Analytics & AI in Operations
  E.g. Build a digital twin to optimise warehouse layout and routing using real-time operational data and AI-powered decisions and analytics.

MSc DAI-E Studio Project Industry Partners

































MSc DAI-E Studio Industry Collaboration

IP ownership through Employees (1)

- Enroll employees from your own company in the part-time MDAIE programme.
- Employee to work on an in-house project, in their current company.
- Organisation owns IP generated by their own employees.
- Project to use company NDA if needed.
- Organisation to provide necessary project resources (e.g. commercial software licenses, API credits, consumables, etc).
- Employees/Employers work on project flexibly and commit up to 2 days/week to the studio project while remaining active within their current organisation.

IP ownership through Interns (2)

- Organisations to host the MDAIE students, who are not employees, as interns (or any other flexible arrangement deemed fit).
- Organisation owns IP generated by interns during project.
- Project to use company NDA if needed.
- Organisation to provide necessary project resources (e.g. commercial software licenses, API credits, consumables, etc).
- Interns to spend up to two days per week either in SUTD or on-site to work on the project. (flexible, based on needs)
- Stipend is considered a bonus, not a requirement.

SUTD Hosted projects, with shared IP ownership (3)

- Organisations not enrolling employees or hosting interns may still propose projects. Industry partner granted user rights for further internal development.
- Also used for enterpreneurship projects proposed by students and reviewed by MDAIE instructors committee.
- Shared IP, covered by a separate agreement, depending on costs being covered by company and/or SUTD.
- If needed, organisation and SUTD to sign a non-disclosure agreement (NDA) to protect sensitive information, using SUTD standard NDA. Deviations to standard NDA need to be reviewed.
- Students sign a letter of undertaking to adhere to NDA obligations.
- Access to educational software licenses can be arranged where needed.

Term 3 Specialisations Tracks (and Electives)



Embodied AI



Analytics & AI in Operations



Human-Centred Design



Security and AI

Term 3 Specialisations Tracks (and Electives)



Embodied AI

- Focus: Robotics and AI systems interacting with the physical world.
- Empowers students to design intelligent, interactive systems that learn and act in the physical world. Courses cover reinforcement learning, autonomous systems in real-world environments, and the integration of communication, vision and language for responsive, context-aware behaviour.



Security and AI

- Focus: Securing AI systems and applying AI to cybersecurity challenges.
- Develops expertise to design AI systems that are secure, private, and trustworthy. Courses cover threat detection, privacy-preserving techniques, and defending against adversarial attacks in machine learning.

Term 3 Specialisations Tracks (and Electives)



Analytics & AI in Operations

- Focus: Data-driven enterprise optimisation and decision systems.
- Fosters knowledge and skills to design intelligent systems and make data-driven decisions using optimisation, digital twin technology, and AI-enhanced operational strategies



Human-Centred Design

- Focus: A less “technical” and less “AI-focused” track, but with a much stronger emphasis on Design Science, intended for students interested in designing AI systems that align with human needs and behaviour.
- Builds competencies in skills to design meaningful, user-focused solutions by understanding culture, behaviour, and interaction. Courses explore user experience, data visualisation, behavioural insights, and the strategic management of design and science for impactful, people-centric innovation.

About our subsidised tuition fees

✓ SUTD has secured a subsidised tuition fee for Singaporeans Citizens and Singaporean PRs.

Numbers to be confirmed for AY2026 (showing AY 2025 below)

- Standard fee for a MSc in SG (NTU/NUS): 57k+ SGD.
- Discount fee for our MSc and SCs: around 15k SGD.

	S$
Tuition Fees Inclusive of 9% GST	63,220

Semester 1 & 2, AY2024/2025 (August 2024 & January 2025 Intake) – MComp Programme (AI Specialisation)
Tuition Fees (including prevailing GST 9%) $57,279.50

Tuition Fees	Subsidised Fee		Non-Subsidised Fee (Inclusive of GST)
	Singapore Citizens(SC)	Singapore Permanent Residents (SPR)	
Per academic year	S$14,350	S$25,350	S$52,086
Per term	S$7,175	S$12,675	S$26,043

Learn more about
the MSc DAI-E
And apply through
our webpage!

SCAN ME

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TECHNOLOGY AND DESIGN