PRESS RELEASE

Nurturing Talent for Growth Opportunities in the Intersection of Domains: Ngee Ann Poly launches Singapore's First Diploma in Computing with Law

Redesigned engineering curriculum to also equip learners with the hybrid skills and competencies to strengthen Singapore's pipeline of future-ready talent across converging sectors.

SINGAPORE, 5 January 2026 – Rapid digitalisation and the growing use of AI across Singapore's legal and engineering-related sectors are reshaping professional roles and widening the demand for talent with cross-disciplinary capabilities.

Against this backdrop, Ngee Ann Polytechnic (NP) is introducing new learning initiatives aimed at equipping students with the literacy, grounding and cross-domain capabilities needed to navigate an increasingly AI-integrated world. These developments include the introduction of Singapore's first polytechnic diploma combining computing and law, and a revamped engineering curriculum offering diploma-level specialisations in emerging technologies such as space technology and operational technology cybersecurity.

Launching Singapore's first Diploma in Computing with Law

To meet the growing need for hybrid talent who can bridge technology with legal and regulatory work, NP has launched the Diploma in Computing with Law (CLW) – the first and only programme of its kind at the polytechnic level in Singapore.

The launch comes as Singapore's legal and regulatory landscape undergoes rapid digital transformation, with organisations adopting technology to enhance research, compliance and operational efficiency. Industry surveys show strong readiness, with nearly 70% of lawyers identifying AI as the profession's most significant driver of change[1]. Recent developments – from AI-enabled legal research tools[2] and growing use of generative AI in law firms[3], to national efforts such as the Ministry of Law's Legal Innovation and Future-Readiness Transformation (LIFT) initiative[4] – underscore how technology is reshaping legal, compliance and regulatory work.

In response to these changes, CLW equips students for emerging roles across the legal, IT, compliance and regulatory sectors by combining a strong foundation in technology and AI with essential legal knowledge. Students gain hands-on experience in software development, database management, AI and cybersecurity, while also building a solid grounding in key areas of law and compliance. These include contract law, intellectual property management and protection, privacy and data protection, and corporate governance.

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[1] Source: https://www.straitstimes.com/singapore/poll-ai-will-have-the-most-influence-on-development-of-law-firms-in-the-coming-years
[2] Source: https://www.imda.gov.sg/resources/press-releases-factsheets-and-speeches/factsheets/2025/imda-and-sal-launched-ai-powered-search-engine-in-lawnet
[3] Source: https://www.channelnewsasia.com/singapore/lawyers-using-gen-ai-court-powerful-legal-work-5355801
[4] Source: https://www.mlaw.gov.sg/driving-the-next-stage-of-digitalisation-through-lift/

Students also benefit from industry partnerships with leading organisations such as Rajah & Tann Singapore LLP, Lexagle, Luminance, and the Singapore Academy of Law, which give them exposure to real-world projects, mentorship and cutting-edge technologies that are shaping the future of legal work.

"Our collaboration with NP allows us to bring industry insights into the classroom, preparing CLW students with the mindset and practical skills to navigate technology, data and regulation with confidence. As a leading firm in Southeast Asia, we see first-hand how digital transformation, from AI-enabled research to tech-driven compliance, is reshaping law and business. This partnership helps students build these strengths from day one," said Mr Abdul Jabbar, Executive Committee Partner, Corporate and Transactional Group, Rajah & Tann Singapore LLP.

Strengthening engineering education through cross-disciplinary learning

NP's School of Engineering has also introduced an updated curriculum designed to navigate the increasingly complex technological systems that underpin modern infrastructure and industry. Beyond incorporating a core AI foundation to help graduates work with intelligent systems and data-driven tools, the school now offers cross-disciplinary specialisations. Aimed at helping students develop breadth across emerging technological fields while retaining strong engineering foundations, the new cross-disciplinary specialisations will also build the ability to integrate knowledge for innovative solutioning. Students enrolling in NP's engineering courses from April 2026 will benefit from this.

One of these cross-disciplinary programmes is NP's flagship Space Technology specialisation, the first of its kind among local polytechnic diplomas. By integrating multiple engineering systems and technical knowledge, the study of Space Technology serves as an ideal platform for cultivating cross-disciplinary learning. Beyond the space sector, the specialisation exposes learners to the practical aspects of satellite and space environments that are increasingly relevant across engineering fields, opening up broader career opportunities in areas such as systems design, electronics and data-driven applications.

The new specialisation also aligns with national efforts to nurture homegrown capabilities in satellite systems, space innovations and research, contributing to Singapore's aim to become a regional space hub. This comes as the global space economy is projected to triple to US$1.8 trillion (S$2.4 trillion) by 2035, according to the World Economic Forum. With more than 70 space-related companies already operating in Singapore, the programme will equip learners to contribute to this expanding sector through hands-on training in satellite systems, remote sensing and space mission design[5].

Another first at the local diploma level is NP's new Operational Technology Cybersecurity specialisation, specifically designed to safeguard critical infrastructure as operational technology, information technology, and cloud systems increasingly converge. In line with Singapore's Operational Technology Cybersecurity Masterplan[6], this curriculum will enhance the talent pipeline to meet growing needs.

Preparing learners for a changing world

"Technological and industry shifts are accelerating the need for talent who can effectively operate at the intersection of multiple domains," said Mr Lim Kok Kiang, Principal & CEO of Ngee Ann Polytechnic. "The shifts are evolving and growing in complexity at an unprecedented speed. It is therefore an imperative for us in education to have the agility to respond to these shifts. The work we are doing today signals our commitment to tackle these complex needs head on."

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[5] Source: https://www.straitstimes.com/singapore/60m-top-up-to-boost-spore-space-tech-research-bringing-total-committed-to-over-200m

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About Ngee Ann Polytechnic

Ngee Ann Polytechnic started in 1963 and is today one of Singapore's leading institutions of higher learning with over 13,000 enrolled students in close to 40 disciplines. It seeks to develop students with a passion for learning, values for life, and competencies to thrive in a global workplace. The polytechnic also supports Continuing Education and Training (CET) through its CET Academy, which offers a wide range of part-time programmes and short courses. It works closely with industry partners to curate programmes for emerging skills, develop talent pipeline for the industries and help adult learners stay agile in today's rapidly changing global economy.

For more information, please visit www.np.edu.sg.