

NP - A*STAR Specialist Diploma in Smart Manufacturing

As **Singapore's first stackable, polytechnic-led programme** in this field, the Specialist Diploma offers a flexible and progressive learning journey. Learners can accumulate qualifications through Post-Diploma Certificates (PDCs) and selected short courses, with cross-recognition between Ngee Ann Polytechnic (NP) and A*STAR Singapore Institute of Manufacturing Technology (SIMTech). This stackable approach allows learners to upskill at their own pace while building towards a full Specialist Diploma, ensuring their competencies remain aligned with the latest industry developments.

WHO IS IT FOR?

Engineers & Technicians | Manufacturing & Operations Professionals
Automation, Quality & Maintenance Professionals | Mid-career professionals

PROGRAMME STRUCTURE

3 Post Diploma Certificates PDCs



PDC1

**Smart Manufacturing
Automation & Analytics**

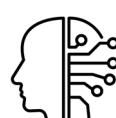
Develop hands-on capabilities in automation, IIoT, machine vision and data analytics for modern manufacturing.



PDC2

**Industrial Cybersecurity &
Resilience**

Strengthen capabilities in OT cybersecurity, industrial networking, ICS architecture and cyber risk management.



#PDC3

AI in Manufacturing

Apply generative AI, industrial AI, intelligent inspection, production planning and predictive maintenance across the manufacturing value chain.

*The five modules exclusively offered by A*STAR SIMTech are equivalent to a post-diploma certificate (PDC) and upon completing all the modules, learners will be granted exemption to fulfil one of the PDC requirements of the Specialist Diploma in Smart Manufacturing.

2 PDCs to earn the Specialist Diploma

Track 1 : PDC1 + PDC2

Secure Automation

Automate smarter, secure and stronger

Track 2 : PDC1 + PDC3

AI & Analytics

Data for better outcomes

3 Specialist Diploma Tracks

Track 3 : PDC2 + PDC3

Cyber-AI Resilience

Resilient & Intelligent Operations

Applications now open

for Smart Manufacturing Automation & Analytics.

SkillsFuture credit and mid-career top up eligible.

Terms and conditions apply.

For enquiries, email **EnquiryCET@np.edu.sg**

Scan to apply



<https://www.np.edu.sg/npnp>