

TP-SIT PATHWAY PROGRAMME



The TP-SIT Pathway Programme is an integrated programme that allows polytechnic students to meet their aspirations of obtaining their Diploma and Degree in a faster time due to the integrated pathway.

Obtain a Degree Faster

Work while studying

Company Sponsored

Who is it for?

How do we select?

- + Jointly administered by Temasek Polytechnic (TP) in partnership with Singapore Institute of Technology (SIT) and Newcastle University (NU)
- + Selection of students will take place in their Polytechnic Year 2, Semester 2
- + Students will commence taking University modules in their Polytechnic Year 3, Semester 2
- + Students will move on to their Degree programme upon completion of their Diploma programme
- + Students will work full-time with their paired industry partners while completing their Degree programme
- + Participating companies have the option to sponsor the course fees of students
- + Diploma in Mechatronics (MTN) (JAE Code T66)
- + Academic and Industry interviews
- + Clear Pass Students
- + Good cGPA

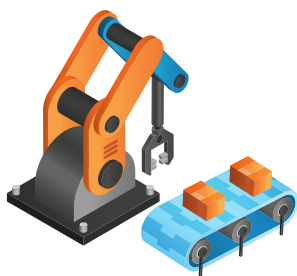


B.Eng (Hons) Mechanical Design and Manufacturing Engineering

The Mechanical Design and Manufacturing Engineering (MDME) degree programme is a three-year honours programme jointly offered by SIT and Newcastle University (NU). Through a unique and interdisciplinary curriculum that combines essential knowledge from mechanical design, mechatronics and manufacturing, the programme is designed to meet the manpower needs of local engineering and manufacturing industries.

Students will learn about fundamental principles in mechanical engineering including statics, dynamics, materials, solid and fluid mechanics, control, thermodynamics, and heat transfer. Following these fundamentals, they will then be exposed to a curriculum that promotes and specialises in process improvement and innovation in manufacturing. Curriculum topics include manufacturing technology, industrial automation, lean manufacturing, statistical process control, factory operations and production management. Students will learn to work independently, as well as in groups to collaboratively meet and exceed engineering project objectives.

PROGRAMME HIGHLIGHT



Robust and
Industry-relevant
curriculum



Holistic Education of
the Manufacturing
Ecosystem



Practical and
Professional
Engineering Skills

CAREER OPPORTUNITIES



Engineer (Mechanical
/Mechatronics/R&D
Manufacturing/Design/QA)



Professional Officer/
Consultant in Commercial
and Public Sectors



Engineering
Project
Manager

Contact us to find out more!



CHAN_Choy_Peng@tp.edu.sg