INTEGRATED SKILLSFUTURE WORK-STUDY DEGREE

The Integrated SkillsFuture Work-Study Degree will allow polytechnic students to meet their aspirations of obtaining their Diploma and Degree in a faster time due to the integrated pathway.

+ 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 1
+ 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 Integrated Facility Management
+ Diploma in Green Building & Sustainability
+ Diploma in Mechatronics

+ Academic and Industry interviews
+ Clear Pass Students
+ Good cGPA

www.tp.edu.sg/tsa
www.tp.edu.sg/tsa_elp
6788 1212

Temasek SkillsFuture Academy
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

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B. Sc in Facilities Management (Part-time)

The BFEM programme integrates the fields of facilities management with events management, and seeks to capitalise on the overlapped areas to groom professionals who will perform well in either industry which are very often critically affected by each other, and to ensure flexible career options.

Students will learn about building services, construction & materials technology and fire safety management. Following this fundamentals, students will be exposed to event planning, procurement management and venue and space management. Further curriculum topics include building diagnostics, green building assessment standards, logistics and site operations, MICE management and Property law.

**PROGRAMME HIGHLIGHT**

 Experienced and Senior industry practitioners as instructors

 Accreditation from International Facility Management Association & Royal Institution of Chartered Surveyors

 Rigorous & Relevant Profession-centric Education

**CAREER OPPORTUNITIES**

 Asset, Property & Facilities Management

 Events Management

I want to know more!
Click to join our mailing list.