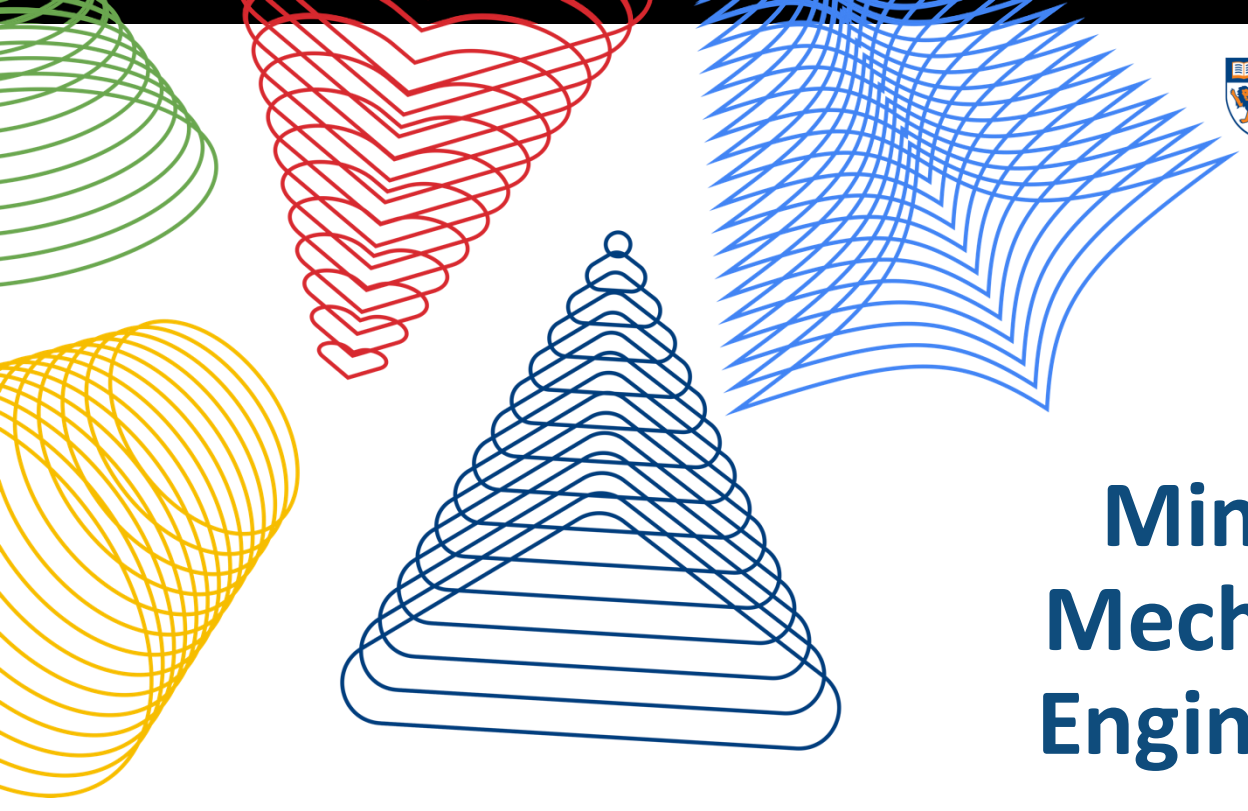




Minor in Mechanical Engineering

Assoc Prof Chui Chee Kong
Deputy Head
(Undergraduate Programmes)

Introduction



Department of Mechanical Engineering
College of Design and Engineering

The Minor in ME is designed to provide undergraduate students from non-ME disciplines with an understanding of the mechanical systems that underpin modern engineering practice.

The programme offers a compact yet rigorous introduction to core mechanical engineering principles through gateway and foundational courses in areas such as

- Applied Mechanics
- Fluid Mechanics
- Energy and Thermodynamics
- Sensors and Actuators
- Engineering Design and Modelling
- Manufacturing Processes

Objective

The Minor in ME equips students to contribute effectively in interdisciplinary settings within their primary fields of study.

The objective is to provide students from non-mechanical engineering disciplines with foundational mechanical engineering literacy that

- complements their primary majors,
- supports interdisciplinary collaboration,
- and strengthens system-level understanding,
- in alignment with the College's emphasis on producing adaptable and industry-relevant graduates.

Eligibility



Department of Mechanical Engineering
College of Design and Engineering

The Minor in ME is open to all NUS students, except those pursuing the Bachelor of Engineering (Mechanical Engineering) degree.

The Minor is available both at the point of admission and to in-flight students. In-flight students may declare the Minor provided they are in good academic standing with at least GPA 3.50.

Declaration of Minor should be done before the start of the 5th semester.

Requirements

To satisfy the requirements of the Minor in ME, students must complete at least 20 units of courses comprising:

- Core Courses = 8 Units (Compulsory)
- Elective Courses = 12 Units

Minor in Mechanical Engineering (20 Units)	
Core Courses (8 Units) - Compulsory	
ME1103	Principles of Mechanics and Materials
ME2105	Principles of Mechatronics and Automation
Electives (12 Units)	
Choose three out of the five courses as outlined below:	
ME2102	Engineering Innovation and Modelling
ME2116	Strength of Materials
ME2121	Engineering Thermodynamics and Heat Transfer
ME2134	Fluid Mechanics I
ME2162	Manufacturing Processes

Undergraduate Administration



Department of Mechanical Engineering
College of Design and Engineering



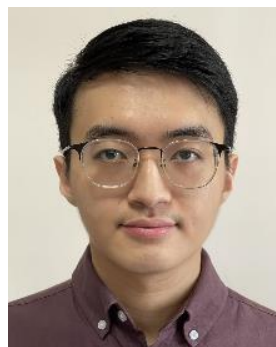
ME UG email:
enquire_me@nus.edu.sg



Jerry Siak



Anna Chong



Joshua Ong



Noor Ezah



Sherlin Xiong