



DEPARTMENT OF MECHANICAL AND MECHATRONIC ENGINEERING

MEng Structured (Mechanical)

Programme Outline 2025

8 modules [15 credits each = 120 credits] +
Research Assignment [60 credits] +
Professional Communication [0 credits]

This document should be studied in consultation with the [PG Schedule for 2025](#).

The Section in brackets next to the group refers to the section on the Departmental Application form.

- Offering of modules is subject to availability.
- **In-person** attendance of modules for full-time and part-time students.
- Module choices are subject to approval by the Programme Coordinator and should be chosen **strictly** according to this outline.
- **Research Assignment Topics** will be finalised via the Programme Coordinator once registered in 2025.

Group 1: (Sec 3.3)	Numerical Methods	Department of Mechanical & Mechatronic Engineering
Group 2: (Sec 3.6)	<i>2 of the following:</i> <ul style="list-style-type: none"> • Advanced Topics in Engineering Management • Data Science • Project Management • Project Economics & Finance 	Department of Industrial Engineering Department of Industrial Engineering Department of Industrial Engineering Department of Civil Engineering
Group 3: (Sec 3.4 & 3.5)	Research Methodology Professional Communication	Department of Mechanical & Mechatronic Engineering Online only via SUNLearn (accessible once registered)
Group 4: (Sec 3.4 & 3.6)	<i>4 of the following:</i> <ul style="list-style-type: none"> • Advanced Photo Voltaic Systems • Bioenergy • Energy Storage Systems • Chemical Engineering (<i>Green Hydrogen Technology</i>) • Hydrogen in the Energy System • Introduction to Sustainability Transitions • Long-term Power System Planning • Smart Grid Technology Overview • Solar Thermal Energy Systems • Water Power Technologies • Wind Energy 	Centre for Renewable & Sustainable Energy Studies Centre for Renewable & Sustainable Energy Studies Centre for Renewable & Sustainable Energy Studies Centre for Renewable & Sustainable Energy Studies Centre for Renewable & Sustainable Energy Studies Centre for Sustainability Transitions Centre for Renewable & Sustainable Energy Studies Centre for Renewable & Sustainable Energy Studies Centre for Renewable & Sustainable Energy Studies Centre for Renewable & Sustainable Energy Studies
Group 5: (Sec 3.6)	Research Assignment (Mechanical) 60 credits	Topics: Department of Mechanical & Mechatronic Engineering