

FACULTY OF ENGINEERING

DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

INDUSTRIAL ENGINEERING

Master of Science in Industrial Engineering
Postgraduate Diploma in Industrial Engineering
Postgraduate Certificate in Industrial Engineering

These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

Mode of Study

3. The programme is available by full-time or part-time study.

Curriculum

4. All students shall undertake an approved curriculum as follows:
 - i. Postgraduate Certificate no fewer than 60 credits from the list of taught modules;
 - ii. Postgraduate Diploma no fewer than 120 credits from the list of taught modules;
 - iii. degree of MSc no fewer than 180 credits, including the Postgraduate Individual Project.

Compulsory Modules (Full-time Students)

Module Code	Module Title	Level	Credits
DM918	People, Organisation and Technology	5	10
DMXXX	Management of Technology and Innovation	5	10
DM927	Strategic Supply Chain Management	5	10
DM931	Postgraduate Group Project	5	40
DMXXX	Digital Manufacturing and Smart Products	5	10
DM945	Systems Thinking and Modelling	5	10
DM955	Total Quality Management	5	10
Students for the degree of MSc only:			
DM932	Postgraduate Individual Project	5	60

Compulsory Modules (Part-time Students)

Module Code	Module Title	Level	Credits
DM918	People, Organisation and Technology	5	10
OR			
DM810	People, organisation and leadership (online)	5	10
DMXXX	Management of Technology and Innovation	5	10
OR			
DMXXX	Management of Technology and Innovation (online)	5	10
DM927	Strategic Supply Chain Management	5	10
DM931	Postgraduate Group Project	5	40
DMXXX	Digital Manufacturing and Smart Products	5	10
DM945	Systems Thinking and Modelling	5	10
OR			
DM808	Introduction to Systems Thinking, Modelling and Optimisation (online)	5	10
DM955	Total Quality Management	5	10
OR			
DM809	Management of Total Quality and Continuous improvement (online)	5	10
Students for the degree of MSc only:			
DM932	Postgraduate Individual Project	5	60

Optional Modules

No fewer than 20 credits chosen from:

Module Code	Module Title	Level	Credits
DM942	Manufacturing Automation	5	10
DM943	Sustainable Product Design & Manufacturing	5	10
DM948	Advanced Materials & Production Technology	5	10

EF931	Project Management	5	10
OR			
DM811	Project Management (online)	5	10

Exceptionally, such other Level 5 modules totalling no more than 20 credits as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

Full-time students: permitted to select up to 20 credits of online-delivery modules (applicable to Optional modules ONLY, Compulsory modules must be undertaken on campus.)

Part-time students: permitted to select up to 30 credits of online-delivery modules (applicable to Compulsory and/or Optional modules.)

Examination, Progress and Final Assessment

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
6. The final award will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

Award

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Industrial Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Postgraduate Individual Project DM932.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Industrial Engineering, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Industrial Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.