Programme Regulations: 2025/26

Programme Titles:
Degree of Master of Science in Sustainable Chemical Engineering - Code: 5031F
Degree of Master of Science in Sustainable Chemical Engineering Science: Code: 5529F*

Notes:
(i) These programme regulations should be read in conjunction with the University's Taught Programme Regulations.
(ii) A compulsory module is a module which a student is required to study.
(iii) All modules are delivered as Linear unless otherwise stated as Block.
(iv) It is anticipated that accreditation will be sought for programme 5031F. To be considered for retrospective accreditation the assessment requirements outlined in section 2 will need to be met.
*(v) *Degree of Master of Science in Chemical Engineering Science – Code: 5529F is a non-accredited Masters degree awarded where a candidate only meets the requirements of the University's Taught Programme Regulations and not the requirements of accreditation.*

1. Programme structure
(a) The programme is available for study in full-time mode.
(b) The period of study for full-time mode shall be one year starting in September.
(c) The programme comprises modules to a credit value of 180.
(d) Optional module choice is dependent on timetabling and subject to Degree Programme Director Approval. Candidates are required to discuss their optional module selection with the DPD who will advise on specialist module routes for Sustainable Chemical Engineering, Environmental Management or Materials, through the programme.

(e) All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Mode*
CME8097	Chemical Engineering Dissertation	60			60	7	
CME8132	Sustainable Industry I: Assessment, Assurance and Strategy	20	20			7	Block
CME8412	Green Chemistry and Complementary Chemistry/Chem Eng Skills	20	20			7	Block
CME8413	Sustainable Industry II: Business and Environmental Management	20		20		7	Block
CME8414	Advanced Design Project in Sustainable Chemical Engineering	20		20		7	Block

(f) Students shall choose a total of 20 credits from the following optional semester 1 module list:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Mode
CME8415	Process Intensification and Catalysis	20	20			7	Block
CME8417	Light Activated Process Technologies: Photovoltaics and Photocatalytic Reactors	20	20			7	Block

CME8418+	Environmental Technology for Advanced Conversion of Emissions and Effluents	20	20			7	Block
CME8419	Biorefining and Carbon Capture, Utilisation, and Storage	20	20			7	Block

+ module not available in academic year 2025/2026.

(g) Students shall choose a total of 20 credits from the following optional semester 2 module list:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Mode
CME8131	Electrochemical Energy Conversion and Storage	20		20		7	Block
CME8411	Recycling Technologies and Sustainable Materials	20		20		7	Block
CME8416	Big Data and AI for Sustainable Engineering	20		20		7	Block

2. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

For the purpose of professional accreditation, the University's Education Committee has approved a variation to the Taught Programme Regulations to the effect that a candidate who passes all core modules and fails up to 20 credits of non-core modules is recommended, as of right, for the award of an appropriate Master's degree or Postgraduate Diploma, provided that no mark is below 40 and the weighted average mark for all modules and all non-modular aggregated assessment is at least 50.

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