

Study Programme

Academic year 2020-2021

1 General Courses

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Mathematic Models [nl]	Denis Constaes TW06	6		1	1	60	180	
2	Unit Operations in Chemical Industry	Geraldine Heynderickx TW11	6		1	1	60	180	
3	Surface Phenomena and Catalysis [nl]	Mark Saeys TW11	6		1	2	60	180	
4	Sustainable Chemical Production Processes	Kevin Van Geem TW11	6		1	1	60	180	
5	Chemical Process Design	Philip De Smedt TW11	6		1	2	75	180	
6	Kinetic Modelling and Simulation	Joris Thybaut TW11	6		1	1	60	180	
7	Polymer Reaction Engineering	Dagmar D'hooge TW11	6		1	2	60	180	
8	Computational Fluid Dynamics in Chemical Technology	Geraldine Heynderickx TW11	3		1	2	30	90	
9	Thermal Installations	Michel De Paepe TW08	6		1	1	75	180	
10	Chemical Reactors: Fundamentals and Applications	René Bos TW11	6		2	1	60	180	
11	Computer Control of Industrial Processes	Clara-Mihaela Ionescu TW08	6		2	1	60	180	
12	Chemistry of Industrial Processes	Maarten Sabbe TW11	6		2	2	60	180	
13	Industrial Project	Philip De Smedt TW11	6		2	1	67.5	180	

2 Elective Courses

At least 21 credits to be chosen from the list of elective courses in Master of Science in Chemical Engineering (English programme) or from the list below.

Subject to the Faculty's approval.

2.1 Elective Courses Bridging Programme Master of Science in Chemical Engineering

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Introduction to Numerical Mathematics [nl]	Marian Slodicka TW06	3			2	30	90	
2	Physical Chemistry [nl]	Zeger Hens WE06	6			2	60	180	
3	Chemistry and Sustainable Technology [nl]	Mark Saeys TW11	6			2	60	180	

3 Master's Dissertation

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Master's Dissertation		24		2	J	60	720	

Teaching languages

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian de: German es: Spanish ja: Japanese pl: Polish sh: Croatian/Serbian zh: Chinese
 cs: Czech el: Greek fr: French nl: Dutch pt: Portuguese sl: Slovene
 da: Danish en: English it: Italian no: Norwegian ru: Russian sv: Swedish

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually c: annually, from 2021-2022 f: annually, from 2022-2023 i: annually, from 2023-2024
 b: tri-annually d: bi-annually, from 2021-2022 g: bi-annually, from 2022-2023 j: bi-annually, from 2023-2024
 e: tri-annually, from 2021-2022 h: tri-annually, from 2022-2023 k: tri-annually, from 2023-2024