

Compulsory courses	Electives ChE CPE	Electives ChE MME	Electives non ChE
Deficiency courses			

Year 1				
	Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
Core Modules	Advanced Chemical Reaction Engineering (5 EC; Brillman/Kersten)		Process Plant Design incl. Thermodynamics and Flowsheeting (15 EC; van der Ham/van den Berg)	
	Advanced Catalysis (5 EC; Lefferts/Mul)	Advanced Molecular Separations (5 EC; de Vos/Schuur)		
			Process Dynamics & Control (2.5 EC; Betlem)	

Year 2				
	Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
Core modules	Internship & Job Orientation Project (20 EC; Folkers)			
	Final Master Project (40 EC)			

Electives scheduled	Multi-component Mass Transport (5 EC; Benes)		Labcourse SPT (2.5 EC; Kersten)	
	Transport Phenomena (5 EC; van der Meer)	Cost Management & Engineering (5 EC; Joosten)	Process Equipment Design (5 EC; Brammer)	Numerical Methods for Engineers (5 EC; Lammertink)
	Advanced Colloids and Interfaces (5 EC, Wood)		Transport in Chemically React. Flows (5 EC; Kok)	Multi-phase Flow (5 EC; Luding)

2.5 EC Topics	Innovative Reaction Systems (Fernandez)*	Ion Transport in Fluids (Wood e.a.)	Chem. Process Analysis (Gardeniers)	Membrane Processes (Lammertink/de Vos/Benes)
	* starts in 2019-2020		Scaling-up in Chem. Eng. (Brilman)	Membrane Materials (Lammertink/de Vos/Benes)
			Electrochemical Engineering (Mul)	

Electives n.s.	Capita Selecta Research Group (5 EC)			
	Contract Research (5 EC; Betlem)			
	Theory of Phase Equilibria (5 EC; van der Hoef)			

Deficiency	Workshop Aca. Skills			
	Programming in Eng.			
	Chemical Reaction Engineering			