

Study plan

SEMESTER	CONTENT
1 (3)	28745 Industrial cell-based reaction engineering. 5 ECTS. 28761 Mathematical modeling for industrial applications. 5 ECTS. 28720 Down Stream Processing. 7.5 ECTS.
2 (4,6)	42500 Innovation in Engineering. 5 ECTS. Project related to Down Stream Processing – including Innovation aspects. 10 ECTS.
3 (1)	Transport Phenomena (with Fluid Dynamics). 5 ECTS. Instrumentation, Digitalization and Control. 5 ECTS. Process design, Retrofit, Risk assessment. 7.5 ECTS.
4 (2,6)	Sustainability. 5 ECTS. Project related to Reaction Engineering – including Sustainability aspects. 10 ECTS.
5	Advanced Unit Operations Lab – including digitalization. 5 ECTS. Good Manufacturing Practice (GMP). 5 ECTS. Course to be decided. 5 ECTS.
6 (2,4)	Project related to Kalundborg Symbiosis (including presentations of all the involved companies). 10 ECTS.
7	MSc project related to company. Graduation. 30 ECTS
8	

