

Master degree programme Chemical Engineering

Appendices to the Teaching and Examination Regulations

Appendix A Aim of the degree programme (art. 1.3)

The degree programme aims to train the students in such a way that they acquire the insight, skills and knowledge that allows the recipient of the degree to establish a professional career in the field of Chemical Engineering.

Appendix B Specializations of degree programme (art. 2.2)

The degree programme has the following specializations:

- Chemical Engineering
- Water Technology

Appendix C Content of degree programme (art. 2.3)

Specialization Chemical Engineering

module	ECTS	assessment	practical
Research Project in Chemical Engineering	60	assessment of performance, report, presentation	x
Traineeship	20	assessment of performance, report, presentation	x
Advanced Product Engineering	5	report, presentation	
Biochemistry and Microbiology	5	written examination, essay, presentation	
Interfacial Engineering	5	assignments, report	
Polymer Products	5	assignments, report	
Powder technology	5	written examination	
Optional courses	15	see appendix D	see app. D

Specialization Water Technology

module	ECTS	assessment	practical
Global Water Cycle	5	assignments, participation, report, presentation	x
Mathematical principles in water technology	6	written exam	
Colloid chemistry	5	assignments, report, presentation	
Water microbiology	5	written exam, reports	x
Transport phenomena in water technology	6	written exam	
Advanced water treatment processes	5	oral exam	x
Reactor design	6	written exam	
Biological water treatment and recovery technology	5	written exam, case portfolio	
Process dynamics and control	5	assignments	x
Process design	12	reports, performance, presentations	
Internship	20	assessment of performance, report, presentation	x
Master thesis	40	assessment of performance, report, presentation	x

