

MASTER OF SCIENCE IN BIOTECHNOLOGY AND CHEMICAL ENGINEERING

SPECIALISATION IN CHEMISTRY

1. 1 ST SEMESTER	2. 2 ND SEMESTER	3. 3 RD SEMESTER	4. 4 TH SEMESTER
Compulsory courses	Compulsory courses	Elective Courses	Thesis
Compulsory courses	Compulsory courses	Elective Courses	
Compulsory courses	Compulsory courses	Elective Courses	
Specialised study package in Chemistry	Elective Courses	Elective Courses	
	Elective Courses	Elective Courses	
Elective Courses	Elective Courses	Elective Courses	
30 ECTS	30 ECTS	30 ECTS	30 ECTS

COMPULSORY COURSES CHEMISTRY

SPRING

Sensors & Process control
Fluid Dynamics

10 ECTS
5 ECTS

FALL

Modelling of Biological and Chemical Processes
Advanced Chemical Unit Operations

10 ECTS
5 ECTS

SPECIALISATION IN BIOTECHNOLOGY

1. 1 ST SEMESTER	2. 2 ND SEMESTER	3. 3 RD SEMESTER	4. 4 TH SEMESTER
Compulsory courses	Compulsory courses	Elective Courses	Thesis
Compulsory courses	Compulsory courses	Elective Courses	
Compulsory courses	Compulsory courses	Elective Courses	
Compulsory courses	Elective Courses	Elective Courses	
Compulsory courses	Elective Courses	Elective Courses	
Compulsory courses	Elective Courses	Elective Courses	
30 ECTS	30 ECTS	30 ECTS	30 ECTS

COMPULSORY COURSES BIOTECHNOLOGY

SPRING

Protein Biotechnology
Fluid Dynamics

10 ECTS
5 ECTS

FALL

Modelling of Biological and Chemical Processes
Advanced Chemical Unit Operations
Science and Technological Innovation and Entrepreneurship
Lipid Biotechnology

10 ECTS
5 ECTS
5 ECTS
10 ECTS

ELECTIVE COURSES

Choose courses from the specialised study packages or other courses at the Department of Engineering, and the broader Faculty of Science approved by the study program manager. AU Course Catalogue: kursuskatalog.au.dk/en/