Course of Study Chemical and Bioprocess Engineering (Study Cohort w22)

Sample course plan C Master Chemical and Bioprocess Engineering (IMPCBE) Dual study program Interdisciplinary complement Specialisation General Process Engineering Applied Thermodynamics: Thermodynamic Properties for Industrial Applications Master thesis (dual study program) Bioprocess and Biosystems Engineering Process Design Project Applied Thermodynamics: Thermodynamic Properties for Industrial Bioreactor Design and Operation Process Design Project 2 VL 2 3 Applied Thermodynamics: Thermodynamic Properties for Industrial GÜ 2 Bioreactors and Biosystems Engineering PBL Applications 5 6 Separation Technologies for Life Sciences Heterogeneous Catalysis Research project IMP Chemical and Bioprocess Engineering Research Project IMP Chemical and Bioprocess Engineering Analysis and Design of Heterogeneous Catalytic Reactors 8 Unit Operations for Bio-Related Systems VL 2 Modern Methods in Heterogeneous Catalysis VL 2 9 2 Unit Operations for Bio-Related Systems Modern Methods in Heterogeneous Catalysis 10 11 12 13 Biocatalysis Technical Microbiology Practical module 3 (dual study program, Master's degree) 14 Biocatalysis and Enzyme Technology Technical Microbiology VL 2 15 1 HÜ Technical Microbiology 16 17 18 Process Systems Engineering and Transport Processes Practical module 2 (dual study program, Master's degree) Heat & Mass Transfer in Process Engineering VL 2 21 IV 2 Process Systems Engineering 22 23 Industrial Process Automation Industrial Process Automation VL 2 24 Industrial Process Automation Particle Technology for International Master Programs Practicle Course Particle Technology for IMP 27 Excercise Particle Technology for International Master Program 28 29 High Pressure Chemical Engineering Advanced Separation Processes 30 Industrial Processes Under High Pressure 31 Practical module 1 (dual study program, Master's degree) High pressure plant and vessel design 32 33 34 35 Numerical Methods for Ordinary Differential Equations Numerical Treatment of Ordinary Differential Equations 36 Numerical Treatment of Ordinary Differential Equations 37 38 39 40 Business & Management (from catalogue) - 6LP Linking theory and practice (dual study program, Master's degree) (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.