

An Partneruniversitäten der BCI anerkannte Pflicht- und Vertiefungsveranstaltungen (Stand: 19.10.2016)

Kursname	Land	Universität	für Vorlesung	LP
Introduction to Process control + Introduction to Systems Biology	Dänemark	DTU	Prozessdynamik und Regelung	5
Polymer Technology	Dänemark	DTU	Vertiefung	5
Air Pollution Control	Finnland	LUT	Vertiefung	3
Bioenergy	Finnland	LUT	Vertiefung	3
Biomaterials Design and Application	Finnland	LUT	Vertiefung	3
Fluid Dynamics in Chemical Engineering	Finnland	LUT	Vertiefung	5
Introduction to Sustaainability	Finnland	LUT	Vertiefung	3
Process Control	Finnland	LUT	Vertiefung	5
Process Intensification	Finnland	LUT	Vertiefung	4
Solid-Liquid Separation	Finnland	LUT	Vertiefung	5
Biochemistry II & Molecular and Cellular Biology II	Hong Kong	HKUST	Teilleistung Biochemie	3
Biomolecular Chemistry + Biochemistry 1	Hong Kong	HKUST	Biochemie	
Chemical Engineering Thermodynamics (CENG131)	Hong Kong	HKUST	Thermodynamik 1	
Engineering Management	Hong Kong	HKUST	Vertiefung	6
Environmental Control	Hong Kong	HKUST	Vertiefung	6
Environmental Science	Hong Kong	HKUST	Vertiefung	6
Fluid Mechanics	Hong Kong	HKUST	Strömungsmechanik 1	
Heat and Mass Transfer (CENG241)	Hong Kong	HKUST	Transportprozesse 1	
Intermediary Metabolism (BICH122)	Hong Kong	HKUST	Biochemie	
Introduction to Electro-robot-design	Hong Kong	HKUST	Vertiefung	8

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Marine Biology	Hong Kong	HKUST	Vertiefung	6
Nanomaterials for Chemical Engineering	Hong Kong	HKUST	Vertiefung	6
Pharmaceutical engineering	Hong Kong	HKUST	Vertiefung	6
Process Dynamics (CEN 302)	Hong Kong	HKUST	Prozessautomatisierung	
Process Dynamics and Control (CENG4120)	Hong Kong	HKUST	Prozessdynamik und Regelung	5
Process Principles and Economics	Hong Kong	HKUST	Vertiefung	6
Reaction and Reactor Engineering	Hong Kong	HKUST	Reaktionstechnik 1b	
Reaction and Reactor Engineering (CENG3230)	Hong Kong	HKUST	Reaktionstechnik	5
Separation Process (CENG221)	Hong Kong	HKUST	TV 1	
Water and wastewater engineering	Hong Kong	HKUST	Vertiefung	6
Complex fluids, soft matter, and chemical product	Korea	KAIST	Vertiefung	5
Computational fluid dynamics	Korea	KAIST	Vertiefung	5
Deepsea petroleum production engineering	Korea	KAIST	Vertiefung	6,5
Multi-scale systems simulations for chemical and biomolecualar engineering	Korea	KAIST	Vertiefung	5
Nuclear chemical engineering	Korea	KAIST	Vertiefung	5
Offshore plant design	Korea	KAIST	Vertiefung	5
Green Engineering and Life Cycle Analysis	Mexiko	ITESM Monterrey	Vertiefung	7,5
Managerial Accounting	Mexiko	ITESM Monterrey	Vertiefung	5
Bioengineering and Market	Portugal	Técnico Lisboa	Vertiefung	6
Biofuels	Portugal	Técnico Lisboa	Vertiefung	6
Cell and Tissue Engineering	Portugal	Técnico Lisboa	Vertiefung	6
Environmental Biotechnology	Portugal	Técnico Lisboa	Vertiefung	6

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Environmental Technology	Portugal	Técnico Lisboa	Vertiefung	4,5
Waste to Energy	Portugal	Técnico Lisboa	Vertiefung	6
Chemical Reaction Engineering I	Portugal	UA	Reaktionstechnik 1a + 1b *	6
Biomedical Measurements	Schweden	Lund	Vertiefung	7,5
Chemical engineering processes	Schweden	Lund	Vertiefung	7,5
Energy and Environment	Schweden	Lund	Vertiefung	7,5
Enzyme technology	Schweden	Lund	Vertiefung	7,5
Food microbiology	Schweden	Lund	Vertiefung	7,5
Introduction to Lab-on-a-chip systems	Schweden	Lund	Vertiefung	7,5
Ressource Efficient Process Design	Schweden	Lund	Conceptual Design	
Swedish for exchange students	Schweden	Lund	Vertiefung	4
Applied Chemical Thermodynamics	Spanien	UC Madrid	Thermodynamik 2 *	
Industrial Safety	Spanien	UC Madrid	Sicherheitstechnik	
Separation Operations	Spanien	UC Madrid	TV 1 + TV (Master)	
Composite Materials	Spanien	URJC, Madrid	Vertiefung	6
Decisiones de Inversión y Financiación	Spanien	URJC, Madrid	Vertiefung	6
Energy Technologies	Spanien	URJC, Madrid	Vertiefung	7,5
Expresion Grafica	Spanien	URJC, Madrid	Vertiefung	6
Graphic Expression	Spanien	URJC, Madrid	Vertiefung	6
Investment and Financing Decisions	Spanien	URJC, Madrid	Vertiefung	6
Materials Recycling	Spanien	URJC, Madrid	Vertiefung	3
Water Supply and Sewage Treatment Technologies	Spanien	URJC, Madrid	Vertiefung	6
Analysis Methods in Chemical Industry	Türkei	Yildiz	Vertiefung	5

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Corrosion in Chemical Industry	Türkei	Yildiz	Vertiefung	5
Design of New and Renewable Energy Systems	Türkei	Yildiz	Vertiefung	4
Environmental Technology	Türkei	Yildiz	Vertiefung	5
Fundamentals of Enzyme Engineering	Türkei	Yildiz	Vertiefung	5
Polymer Technologies	Türkei	Yildiz	Vertiefung	4
Quality Control in Chemical Industry	Türkei	Yildiz	Vertiefung	5
Advanced Design for Safety	UK	Newcastle	Vertiefung	5
Biotechnology 2	UK	Newcastle	Mikrobiologie 1 + Praktikum	
Contaminated Land	UK	Newcastle	Vertiefung	5
Energy Management	UK	Newcastle	Vertiefung	5
Fundamentals of Cell and Molecular Biology	UK	Newcastle	Molekularbiologie	
Global Business Management	UK	Newcastle	für Soft Skills	5
Life Cycle Assesment	UK	Newcastle	Vertiefung	5
Mathematical Methods in Engineering	UK	Newcastle	Vertiefung	6
Microbiology 1	UK	Newcastle	Mikrobiologie 1	
Organisational Behaviour & Design	UK	Newcastle	für Soft Skills	5
Plant design Meng	UK	Newcastle	Gruppenarbeit	
Process Design, Economics & Project Management	UK	Newcastle	Conceptual Design	
Process Intensification	UK	Newcastle	Vertiefung	5
Reactor Systems Engineering	UK	Newcastle	Vertiefung	8
Renewable Energy: Biomass and Waste Technology	UK	Newcastle	Vertiefung	5
Safety in Engineering Practice	UK	Newcastle	Sicherheitstechnik	
Separation Processes 1	UK	Newcastle	TV 1	

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Separation Processes 2	UK	Newcastle	TV (Master)	
Solids Handling	UK	Newcastle	MV	
Stability and Sustainability of Materials	UK	Newcastle	Vertiefung	5
The Finite Element Method + Applications of Fluid Dynamics	UK	Newcastle	Numerische Mathematik	
Thermodynamics	UK	Newcastle	Thermodynamik 1	
Transfer Processes	UK	Newcastle	Transportprozesse 1	
Heat and Mass Transfer	USA	CMU	Transportprozesse 1 *	
Unit Operations of Chemical Engineering	USA	CMU	TV 1 *	
Chemical Engineering Thermodynamics (adv)	USA	Lehigh	Thermodynamik 1	
Chemical Engineering Thermodynamics II (adv.)	USA	Lehigh	Thermodynamik 2	
Elements of Bioengineering	USA	Lehigh	Vertiefung	6
Emulsion Polymers	USA	Lehigh	Vertiefung	6
Engineering Probability and Statistics	USA	Lehigh	Vertiefung	5
Environmental Engineering Processes	USA	Lehigh	Vertiefung	6
Environmental Separation and Control	USA	Lehigh	Vertiefung	6
Fluid Mechanics (CHE 044)	USA	Lehigh	MV	
Mass Transfer and Separation Processes (CHE 401)	USA	Lehigh	TV 1 *	
Material and Energy Balances of Chemical Processes	USA	Lehigh	Vertiefung	6
Mathematical Methods in Engineering	USA	Lehigh	Vertiefung	6
Metabolic Engineering	USA	Lehigh	Vertiefung	6
Principles of Economics (EC001)	USA	Lehigh	Allgemeine BWL	
Principles of Economics für BWL (Pflichtveranstaltung)	USA	Lehigh	Vertiefung	3

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Chemical Process Control (CBE 460)	USA	UPenn	Prozessdynamik und Regelung	5
Climate Policy and Technology	USA	UPenn	Vertiefung	6
Electric Systems and Markets	USA	UPenn	Vertiefung	6
Energy Engineering	USA	UPenn	Vertiefung	6
Energy Systems and Policy	USA	UPenn	Vertiefung	6
Energy Systems, Resources and Technology	USA	UPenn	Vertiefung	6
Heat and Mass Transport (351)	USA	UPenn	Transportprozesse 1	
Interfacial Phenomena	USA	UPenn	Vertiefung	6
Introduction to Product and Process Design	USA	UPenn	Modul Prozessgestaltung	
Introduction to Scientific Programming (EAS-105)	USA	UPenn	Einf. in die Programmierung	
Renewable Energy and its Impact	USA	UPenn	Vertiefung	6
Separation Process (371)	USA	UPenn	TV 1 *	
Technical communication and academic writing for non-native speakers	USA	UPenn	Vertiefung	6
Viscous Fluid Flow	USA	UPenn	Vertiefung	6
Foundations of engineering 1	USA	URI, Kingston	Vertiefung	2
General chemistry lecture	USA	URI, Kingston	Einf. in die Allgem. und AC	6
Writing to inform and explain	USA	URI, Kingston	Technisches Englisch	2

\*Mit Bedingungen

**Legende:**

CMU - Carnegie Mellon University, Pittsburgh, USA

DTU - Danmarks Tekniske Universitet, Lyngby, Dänemark

HKUST- Hong Kong University of Science and Technology, Hong Kong

Lehigh - Lehigh University, Bethlehem, USA

Lund - Lund University, Lund, Schweden

Newcastle - Newcastle University, Newcastle upon Tyne, UK

UPenn - University of Pennsylvania, Philadelphia, USA

URI - University of Rhode Island, Kingston, USA

UC - Universidad Complutense de Madrid, Spanien

UA - Universidade de Aveiro, Aveiro, Portugal

Auskunft zum aktuellen Stand gibt der Prüfungsausschuss der BCI, Prof. Tiller