

Chalmers Courses					Ulm Equivalents		
-- Chemistry Subjects --							
Code	Subject	Course	Module	Exam	Subject	Special Remarks	
Program:	Materials Chemistry					possible CE equivalents for some/all courses still to be defined (in case we will establish exchange places for Chemical Engineering in the future)	
KBT036	Advanced Organic Chemistry	CHEM7614.001	74287	14287	Modern Physical Organic Chemistry		
KBT101	Solid State Chemistry	CHEM8744.001	71194	12008	Inorganic Structural Chemistry and Crystallography		
KBT245	Green Chemistry	CHEM8777.001 CHEM8778.001	74232	14232	Nachhaltige und Grüne Chemie	German taught course	
KBT305	Individual Project in materials chemistry	-	-	-	Project Work (any project work possible, depends on the topic)	9 of 15 CP for project work, further 6 CP can be accepted as the "free" 6 CP	
KFK022	Biophysical Chemistry	PHYS5117.1	71654	11951 12083	Biophysik I	German taught course Subsidiary Subject Physics	
KOO093	The synthesis, properties and structures of solid state materials	CHEM8775.001	74182	14182	Solid State Chemistry and Applications in Energy Materials	both lectures can be accepted	
KOO093	The synthesis, properties and structures of solid state materials	CHEM8744.001	71194	12008	Inorganic Structural Chemistry and Crystallography		
KPO045	Biological Materials	CHEM8522.001	70999	11238	Biomaterials		
KTK012	Catalysis	CHEM8550.001	71322	11631	Catalysis		
KTK042	Nanomaterials Chemistry	CHEM8400.100	71300	12014	Inorganic Nanomaterials		
KTK095	Surface Chemistry	CHEM6200.001 CHEM6201.001	71269	12010	Interface Chemistry I - Surface Chemistry		
KFK150	Applied optical spectroscopy	CHEM5220.001 CHEM5221.001	71204	12026	Laserspectroscopy		
KOK032	Applied organic molecular spectroscopy	CHEM4530.001 CHEM4531.001	70675	10675	Strukturaufklärung organischer Moleküle (Bachelor)	Bachelor course German taught course no equivalent in the Master; can be accepted as the "free" 6 CP	
KKE013	Ceramics engineering	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KBT095	Corrosion	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KBT120	Design and analysis of experiments	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
TIF050	Materials in medicine	CHEM8522.001	70999	11238	Biomaterials		
KBT192	Nuclear Chemistry 1	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KPO021	Polymer technology	CHEM6820.001 CHEM6821.001	71305	12033	Polymeric Materials		
KPO041	Surface engineering	CHEM6200.001 CHEM6201.001	71269	12010	Interface Chemistry I - Surface Chemistry		
MTT081	Tailored materials and commercialisation aspects	CHEM6020.007	71306	12037	Functional Materials		

Chalmers Courses					Ulm Equivalents		
-- Chemistry Subjects --							
Code	Subject	Course	Module	Exam	Subject	Special Remarks	
Program:	Innovative and Sustainable Chemical Engineering					possible CE equivalents for some/all courses still to be defined (in case we will establish exchange places for Chemical Engineering in the future)	
KBT135	Waste Management	CHEM8779.001 CHEM8776.001	74172	14172	Ökobilanzierung und nachhaltige Produktbewertung	German taught course	
KBT140	Global Chemical Sustainability	CHEM8470.001	73999	13999	Seminar Wirtschaftscheme	German taught course	
KBT110	Advanced chemical engineering and process analytical technology	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KBT115	Advanced chemical reaction engineering	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KAA102	Advanced separation technology	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KBT145	Biorefinery	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
MEN031	Combustion engineering	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
MMS030	Combustion modeling	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KKR073	Computational fluid dynamics for engineers	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KVM071	Design of industrial energy equipment	CHEM8470.001	73999	13999	Seminar Wirtschaftscheme	German taught course	
KLI011	Food chemistry	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KLI032	Food technology and sustainable food systems	CHEM8470.001	73999	13999	Seminar Wirtschaftscheme	German taught course	
KLI032	Food technology and sustainable food systems	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KVM013	Industrial energy systems	CHEM8470.001	73999	13999	Seminar Wirtschaftscheme	German taught course	
KVM013	Industrial energy systems	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
TEK350	Intellectual property and innovation strategies	CHEM8065.001	71425	11252	Patentrecht für Naturwissenschaftler	German taught course part of module "Themen aus der Wirtschaft" that belongs to the Multidisciplinary Subsidiary Subject	
VTM081	Life cycle assessment	CHEM8779.001 CHEM8776.001	74172	14172	Ökobilanzierung und nachhaltige Produktbewertung		
TME160	Multiphase flow	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KSK041	Paper technology	-	74001	14001	Themen aus dem MINT-Bereich	general title for any course that can be accepted as: Subsidiary Subject Technical Chemistry	
KBT156	Preliminary plant design	CHEM8570.001	74285	14285	Plant Economics		
PPU231	Production and product service systems	?	74769	14769	Strategisches Logistik- und Produktsmanagement		

