

### Equivalence table BC 1.0 to BC 2.0 at Chemical Engineering and Chemistry for student that would like to continue in BC 1.0

The below mentioned equivalence table gives an overview of how the content of the courses of BC 1.0 is transferred to the courses of BC 2.0. The equivalence table should be used as an instrument in case student want or need to replace parts of their BC1.0 study program with parts of the BC 2.0 curriculum. In all cases, students who started in the bachelor program CE&C before the academic year 2023/2024 (BC 1.0) who would like to replace courses from the BC 1.0 program with courses from the BC 2.0 program need to submit a request to the examination committee CE&C for approval. Before the student submits their request, consultation with the academic advisor is required.

Bachelor College 1.0		Bachelor College 2.0		
Course code	Course name	Course Code*	Course name	Details
6A1X0	Introduction to Practical Chemistry and Chemical Technology	6BBR02	Introduction to Practical and Inorganic Chemistry	
6A2X0	Introduction to Chemistry and Chemical Technology	6BBR01	Introduction to Molecules and Processes	
2WBB0	Calculus variant B	6BBR03	Calculus for CE&C	
6A3X0	Advanced Calculus for CE&C	6BBR05	Advanced Calculus for CE&C	
2NBB0	Applied Natural Sciences	-	-	
2IAB0	Data Analytics for Engineers	-	-	
6A4X0	Introduction to Chemical Bonding and Thermodynamics	6BBR04	Introduction to Thermodynamics and Chemical Bonding	
6M1X0 6M3X0	Organic Chemistry Practical Organic Chemistry	6BMR01 6BMR02	Organic Chemistry 1 Organic Chemistry 2	Organic Chemistry 1 and 2 will be both 50% theory and 50% practical
0SAB0	USE Basic	0LVX10	ITEC Engineering Ethics	
6P1X0 6E10X0	Physical Transport Phenomena Practical Transport Phenomena	6BPR01 6BPR02	Physical Transport Phenomena 1 Physical Transport Phenomena 2	Physical Transport Phenomena 1 and 2 will be both 65% theory and 35% practical
6A5X0	Advanced Thermodynamics and Kinetics	6BAR01 6BAR02	Physical Chemistry 1 Kinetics and Electrochemistry	Advanced thermodynamics part (50%) Kinetics part (50%)
4WBB0	Engineering Design	6CBLW00	Multidisciplinary CBL	
6A6X0	Linear Algebra and Statistics	6BBR06 6BBR02 6BMR03	CBL Programming Introduction to Inorganic Chemistry and Practical Materials Science 1	Linear Algebra part (50%) Statistics basics part (20%) Statistics advanced part (30%)
6P2X0	Separation Technology	6BPR03	Separation Technology	

6A7X0	Advanced Chemical Bonding and Electricity & Magnetism	6BAR03 6BMR06	Chemical Bonding and Spectroscopy Materials Science 2	Chemical Bonding part (50%) Electricity & Magnetism part (50%)
6P3X0	Chemical Reactors	6BPR04	Chemical Reactors	
6M2X0	Inorganic Chemistry	6BBR02 6BAR02 6BAR03	Introduction to Inorganic Chemistry and Practical Kinetics and Electrochemistry Chemical Bonding and Spectroscopy	Acid/base and redox part (20%) Catalysis part (20%) Chemical bonding part (60%)
6P4X0	Practical Process Technology	6CBL02	CBL Process Technology	
6M4X0	Materials Science	6BMR03 6BMR06	Materials Science 1 Materials Science 2	Basics part (75%) Magnetism part (25%)
6I1X0	Energy	6BER06	Energy Conversion and Storage	Energy demand and energy storage and conversion part (50%)
6E1X0 6E6X0 6I2X0	DBL Nanotechnology DBL Molecules and Materials DBL Energy	6CBL01	CBL Molecules and Materials	
6S1X0	Bachelor Final Project	6BFR01	Bachelor Final Project	
6E12X0	Nanomaterials: Chemistry and Fabrication	6BER01	Nanomaterials: Chemistry and Fabrication	
8RA00	Biochemistry	6BMR04	Biochemistry and Technology	
6E2X0	Introduction to Polymer Chemistry and Technology	6BMR05	Polymer Chemistry and Technology 1	
6E5X0	Numerical Methods	6BER03	Numerical Methods	
6E3X0	Macro-Organic Chemistry	6BER02	Macro-Organic Chemistry	
6E4X0	Physical Chemistry	6BAR01 6BER05	Physical Chemistry 1 Physical Chemistry 2	Basics part (50%) Advanced part (50%)
6E7X0	Topics in Molecules and Materials	6BER04	Topics in Molecules and Materials	
6E8X0	Process Dynamics and Control	6BER07	Process Dynamics and Control	
6E9X0	Process Design	6BER09	CBL Process Design	