

Study plan CH-BcD15 - Chemistry - bachelor programme					
Guarantee of study programme: prof. Ing. Roman Boča, DrSc.					
Compulsory subjects					
Abbr.	Name	Credit	Scope	Year	Sem.
KCH/bd200/15	General Chemistry	6	3/2	1	Z
KCH/bd202/15	Laboratory Practice in General Chemistry	4	0/4	1	Z
KCH/bd203/15	Seminar in Chemical Calculations I	3	0/2	1	Z
KAI/bd201/15	Mathematics I	5	3/3	1	Z
KOJP/bd101/15	English for Science I	2	0/2	1	Z
KER/bd101/15	Global Environmental Problems	2	2/0	1	Z
KER/bd102/15	Scientific and Technical Databases	2	0/2	1	Z
KCH/bd205/15	Inorganic Chemistry	6	3/2	1	L
KCH/bd206/15	Laboratory Practice in Inorganic Chemistry	4	0/4	1	L
KCH/bd207/15	Seminar in Chemical Calculations II	3	0/2	1	L
KAI/bd203/15	Mathematics II	5	3/3	1	L
KBF/bd003/16	Physics I	5	2/2	1	L
KOJP/bd102/15	English for Science II	2	0/2	1	L
KCH/bd208/15	Chemical Literature Course	2	0/2	1	L
KER/bd103/15	Ecology	2	2/1	1	L
KCH/bd210/15	Organic Chemistry I	6	3/2	2	Z
KCH/bd211/15	Laboratory Practice in Organic Chemistry I	4	0/4	2	Z
KCH/bd239/15	Physical Chemistry I	6	3/2	2	Z
KBF/bd004/16	Physics II	6	2/2	2	Z
KOJP/bd103/15	English for Science III	2	0/2	2	Z
KER/bd104/15	Remediation Technologies	3	2/2	2	Z
KER/bd105/15	Toxicology	3	2/1	2	Z
KCh/bd214/15	Organic Chemistry II	6	3/2	2	L
KCH/bd216/15	Laboratory Practice in Organic Chemistry II	4	0/4	2	L
KCH/bd217/15	Physical Chemistry II	6	3/2	2	L
KCH/bd218/15	Laboratory Practice in Physical Chemistry	3	0/4	2	L
KCH/bd219/15	Analytical Chemistry I	6	2/2	2	L
KCH/bd220/15	Laboratory Practice in Analytical Chemistry I	3	0/4	2	L
KOJP/bd104/15	English for Science IV	2	0/2	2	L
KCH/bd222/15	Analytical Chemistry II	6	2/2	3	Z
KCH/bd223/15	Laboratory Practice in Analytical Chemistry II	4	0/5	3	Z
KBT/bd302/15	Biochemistry	5	3/0	3	Z
KBT/bd300/15	Laboratory Practice in Biochemistry	3	0/4	3	Z
KER/bd106/15	Nuclear Chemistry	3	2/1	3	Z
KCH/bd225/15	Laboratory Practice for Bachelor Project I	3	0/3	3	Z
KER/bd107/15	Fundamentals of Environmental Chemistry	3	2/1	3	L
KBT/bd301/15	Fundamentals of Chemical Technology and Biotechnologies	3	2/1	3	L
KBT/bd303/15	Renewable Resources of Energy	3	2/0	3	L
KCH/bd226/15	Laboratory Practice for Bachelor Project II	3	0/5	3	L
KCH/bd227/15	Bachelor Thesis Seminar	2	0/3	3	L
KCH/bd237/15	Bachelor Thesis Defence	12		3	L
Compulsory Elective subjects					
Abbr.	Name	Credit	Scope	Year	Sem.
KCH/bd228/15	Organic Chemistry III	2	2/1	3	Z
KCH/bd229/15	Laboratory Practice in Organic Chemistry III	2	0/4	3	Z
KCH/bd230/15	Fundamentals of Chemical Engineering	2	2/0	3	Z

KER/bd115/15	Hydrochemistry	2	2/0	3	Z
KBIO/bd803/15	Microbiology	2	2/0	3	Z
KAI/bd206/15	Biophysics	2	2/0	3	Z
KER/bd116/15	Sorption Equilibria	2	2/0	3	L
KER/bd109/15	Waste Management	2	2/0	3	L
KER/bd117/15	Radiation Protection	2	2/0	3	L
KER/bd118/15	Dispersion of Pollutants in Atmosphere and Hydrosphere	2	2/0	3	L
KCH/bd231/15	Fundamentals of Medicinal Chemistry	2	2/0	3	L
KCH/bd232/15	Natural Pharmaceuticals	2	2/0	3	L
KCH/bd236/15	Fundamentals of Pharmaceutical Chemistry	2	2/0	3	L
Selective subjects					
Abbr.	Name	Credit	Scope	Year	Sem.
KCH/bd209/15	History of Chemistry	2	2/0	1	Z
KAI/md200/15	Fundamentals of Management	2	2/1	1	Z
KAI/bd208/15	Fundamentals of Marketing	2	2/0	1	Z
KBIO/bd46/15	Sports Activities I	2	0/2	1	L
KCH/bd241/15	Perspectives of Chemistry and Chemistry Legislation	2	2/0	1	L
KBIO/bd47/15	Sports Activities II	2	0/2	1	L
KER/bd110/15	Environment Protection and Sustainable Development	2	2/0	2 a 3	Z
KER/bd111/15	Environmental Management	2	2/0	2 a 3	Z
KER/bd119/15	Soil Chemistry	2	2/0	2 a 3	Z
KAI/bd209/15	Applied Economics	3	2/0	2 a 3	Z
KAI/bd210/15	Fundamentals of Accounting	2	2/2	2 a 3	Z
KOJP/bd105/15	Professional Communication in English Language I	2	0/2	2 a 3	Z
KBIO/bd48/15	Sports Activities III	2	0/2	2 a 3	Z
KBIO/bd49/15	Sports Activities V	2	0/2	2 a 3	Z
KER/bd112/15	Environmental Monitoring	2	0/2	2 a 3	Z
KER/bd113/15	Material Balances in the Environment	2	2/0	2 a 3	L
KER/bd114/15	Analytical Chemistry of Environment	2	0/2	2 a 3	L
KAI/bd211/15	Project Management	2	2/0	2 a 3	L
KOJP/bd106/15	Professional Communication in English Language II	2	2/1	2 a 3	L
KBIO/bd51/15	Sports Activities IV	2	0/2	2 a 3	L
KBIO/bd52/15	Sports Activities VI	2	0/2	2 a 3	L