



CURRICULUM

Study Type	Bachelor
Study Language	English
Faculty	Faculty of Chemical Engineering
Study programme	Chemistry and Technology
Study sub-programme	Chemistry and Technology (Specialization in Chemistry, Engineering and Technology)
Year	2019/2020

Organization of the academic year 2017/2018

The academic year **2017/2018** starts on **11th September 2017** and ends on **7th September 2018**

Structure of the academic year

Winter semester (WS)	
The dates of registration for the summer semester will be organized by the Dean´s office of the respective faculty no later than by 29th September 2017 .	
Lectures, seminars, laboratory work:	18. 9. – 22. 12. 2017
Assessment period:	2. 1. – 16. 2. 2018

Summer semester (SS)	
The dates of registration for the summer semester will be organized by the Dean´s office of the respective faculty no later than 2nd March 2018	
Lectures, seminars, laboratory work:	19. 2. – 25. 5. 2018
Assessment period:	28. 5. – 29. 6. 2018 27. 8. – 7. 9. 2018

The lessons start no earlier than at 8:00 a.m. The lessons always start on the hour, the duration of one lesson is 50 minutes.

The Rector´s Days: **20. 11. and 24. 11. 2017**

The Students´ Scientific Conference: 20. 11. 2017
Open Days: 24. 11. and 25. 11. 2017
19. 1. and 20. 1. 2018

Enrolment in compulsory-optional and optional courses and registration for timetable

Registration for the timetable for WS:	7. 9. – 15. 9. 2017
Preliminary enrolment in compulsory-optional and optional courses for SS:	23. 11. – 1. 12. 2017
Registration for the timetable for SS:	8. 2. -16. 2. 2018
Preliminary enrolment in compulsory-optional and optional courses for WS 2018/19:	10. 5. – 18. 5. 2018

Important dates for students of III. year of Bachelor studies

Check of study requirements fulfillment:	
I. term of State Final Examination*:	by 8. 6. 2018
II. term of State Final Examination*:	by 10. 7. 2018

Submission of Bachelor Diploma Thesis	
I. term of State Final Examination*:	by 8. 6. 2018
II. term of State Final Examination*:	by 10. 7. 2018

State Final Examination terms:	
I. term of State Final Examination*:	18. 6. – 29. 6. 2018
II. term of State Final Examination*:	27. 8. – 7. 9. 2018

State Final Examination terms for students of Bachelor degree programme Specialization in pedagogics :	
I. term of State Final Examination*:	June 2018
II. term of State Final Examination*:	20. 8. – 30. 8. 2018

* The exact dates are to be decided by the Dean of the respective faculty.

The graduation ceremony for Bachelor degree graduates will be held on **10th October and 11th October 2018.**

Abbreviations and their meaning:

Abbrev. ENG	Abbrev. CZE	
C	Z	credit
MC	KZ	classified credit
Ex	Zk	examination

p	lecture
c	seminar
l	laboratory work

the numbers preceding an abbreviation indicate number of lessons per week

Study Programme: **Chemistry and Technology**
 Study Sub-programme: **Chemistry and Technology (Specialization in Chemistry, Engineering and Technology)**
 Code: CHAT

1st year - WINTER SEMESTER

Code	Subject	Department	Study Hours	Exam	Cred
S101002	Chemical Calculation	101	2c	C	2
S101005	General and Inorganic Chemistry I	101	3p+2c	C+Ex	8
S111009	Toxicology and Ecology	111	2p	Ex	3
S320016	Biology I	320	3p	Ex	4
S413022	Mathematics I	413	3p+4c	C+Ex	10
Elective subject 1 (choose at least 1 subject(s) from this group)					
S437005	Enterprise Economics	837	2p+1c	C+Ex	4
S445001	Applications of Computer Science	445	3c	C	3
List of optional subjects for this semester is located on the page 11					

1st year - SUMMER SEMESTER

Code	Subject	Department	Study Hours	Exam	Cred
S101003	Inorganic Chemistry: Laboratory I	101	3l	MC	3
S110004	Organic Chemistry I	110	2p+2c	C+Ex	6
S320015	Biology: Laboratory	320	3l	MC	2
S444001	Physics I	444	3p+2c	C+Ex	7
Elective subjects 2, 3 (choose at least 2 subject(s) from this group)					
S101006	General and Inorganic Chemistry II	101	2p+2c	C+Ex	5
S240010	Ecology	240	2p	Ex	3
S319001	Biology of the Cell	319	2p	Ex	3
S413003	Mathematics II	413	3p+3c	C+Ex	8
S413004	Applied Statistics	413	1p+2c	C+Ex	4
List of optional subjects for this semester is located on the page 12					

2nd year - WINTER SEMESTER

Code	Subject	Department	Study Hours	Exam	Cred
S110002	Organic Chemistry: Laboratory I	110	4l	MC	3
S320001	Biochemistry I	320	3p+1c	C+Ex	6
S403011	Physical Chemistry I	403	3p+2c	C+Ex	6
S444003	Physics: Laboratory	444	3l	MC	2
Elective subjects 4, 5 (choose at least 2 subject(s) from this group)					
S105004	Fundamentals of Chemical Technologies	105	2p	Ex	3
S108004	Introduction to Study of Materials	108	2p	Ex	3
S110005	Organic Chemistry II	110	3p+2c	C+Ex	6
S218026	Alternative Energy Sources I	218	2p	Ex	3
S320081	Molecular genetics and DNA analysis	320	2p	Ex	3
S323001	Food Chemistry	323	3p	Ex	5
S413005	Numerical Methods	413	3p+2c	C+Ex	7
S444006	Physics II	444	2p+2c	C+Ex	5
List of optional subjects for this semester is located on the page 13					

2nd year - SUMMER SEMESTER

Code	Subject	Department	Study Hours	Exam	Cred
S320014	Biochemistry: Laboratory	320	6l	MC	4
S402002	Analytical Chemistry I	402	2p+2c	C+Ex	5
S403013	Physical Chemistry: Laboratory I	403	4l	MC	3
S409002	Unit Operations of Chemical Engineering I	409	2p+3c	C+Ex	6
Elective subjects 6, 7, 8 (choose at least 3 subject(s) from this group)					
S110020	Fundamentals of Chemistry of Pharmaceuticals	110	3p	Ex	5
S112003	Macromolecular Chemistry	112	2p+1c	C+Ex	4
S320009	Microbiology	320	3p	Ex	5
S403014	Physical Chemistry II	403	3p+2c	C+Ex	7
List of optional subjects for this semester is located on the page 14					

3rd year - WINTER SEMESTER

Code	Subject	Department	Study Hours	Exam	Cred
S143013	Chemical Informatics	143	2c	C	2
S402003	Analytical Chemistry: Laboratory I	402	5l	MC	4
S409013	Chemical Engineering: Laboratory	409	3l	MC	4
S963022	Study Specialization: Laboratory	963	8l	MC	5
Elective subjects 9, 10, 11 (choose at least 3 subject(s) from this group)					
S106003	Materials Corrosion	106	3p	Ex	4
S217006	Hydrobiology and Microbiology in Water Technology	217	2p+1c	Ex	4
S320013	Microbiology: Laboratory	320	5l	MC	3
S321023	Food Technology	321	5p+1c	C+Ex	7
S323035	Food and Natural Products Analysis	323	3p+1c	C+Ex	6
S402004	Analytical Chemistry II	402	2p+1c	C+Ex	4
S409003	Unit Operations of Chemical Engineering II	409	2p+3c	C+Ex	6
List of optional subjects for this semester is located on the page 15					

3rd year - SUMMER SEMESTER

Code	Subject	Department	Study Hours	Exam	Cred
S963020	Bachelor Project	963	15c	C	15
Elective subjects 12, 13, 14 (choose at least 3 subject(s) from this group)					
S105001	Applied Chemical Processes	105	2p	Ex	3
S107020	Spectroscopic and Microscopic Methods for Characterisation of Materials	107	3p+1c	C+Ex	5
S111005	Catalysis	111	2p+1c	C+Ex	4
S218023	Technical Nuclear Chemistry and Nuclear Waste	218	2p	Ex	3
S320002	Biochemistry II	320	2p	Ex	3
List of optional subjects for this semester is located on the page 16					

Optional subjects for 1st year, WINTER SEMESTER

Obory: CHAT

Code	Subject	Department	Study Hours	Exam	Cred
S834005	Czech Language - beginners I	834	2c	MC	1
S834007	Czech Language - prei-intermediate I	834	2c	MC	1

OPT 1/1

Optional subjects for 1st year, SUMMER SEMESTER

Obory: CHAT

Code	Subject	Department	Study Hours	Exam	Cred
S834003	Czech Language and Culture	834	2c	MC	0
S834004	Basics of Czech	834	1p+1c	MC	2
S834006	Czech Language - beginners II	834	2c	MC	1
S834008	Czech Language - prei-intermediate II	834	2c	MC	1

OPT 1/2

Optional subjects for 2nd year, WINTER SEMESTER

Obory: CHAT

Code	Subject	Department	Study Hours	Exam	Cred
S834005	Czech Language - beginners I	834	2c	MC	1
S834007	Czech Language - prei-intermediate I	834	2c	MC	1

Optional subjects for 2nd year, SUMMER SEMESTER

Obory: CHAT

Code	Subject	Department	Study Hours	Exam	Cred
S834003	Czech Language and Culture	834	2c	MC	0
S834004	Basics of Czech	834	1p+1c	MC	2
S834006	Czech Language - beginners II	834	2c	MC	1
S834008	Czech Language - prei-intermediate II	834	2c	MC	1

Optional subjects for 3rd year, WINTER SEMESTER

Obory: CHAT

Code	Subject	Department	Study Hours	Exam	Cred
S834005	Czech Language - beginners I	834	2c	MC	1
S834007	Czech Language - prei-intermediate I	834	2c	MC	1

Optional subjects for 3rd year, SUMMER SEMESTER

Obory: CHAT

Code	Subject	Department	Study Hours	Exam	Cred
S834003	Czech Language and Culture	834	2c	MC	0
S834004	Basics of Czech	834	1p+1c	MC	2
S834006	Czech Language - beginners II	834	2c	MC	1
S834008	Czech Language - prei-intermediate II	834	2c	MC	1