



# CURRICULUM

Study Type	Bachelor
Study Language	English
Faculty	Faculty of Food and Biochemical Technology
Study programme	Chemistry and Technology
Study sub-programme	Chemistry and Technology (Specialization in Food and Biochemical Technology)
Year	2017/2018



## 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

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

<b>Summer semester (SS)</b>	
The dates of registration for the summer semester will be organized by the Dean´s office of the respective faculty no later than <b>2nd March 2018</b>	
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**

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

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

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

<b>State Final Examination terms for students of Bachelor degree programme Specialization in pedagogics :</b>	
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:**

<b>Abbrev. ENG</b>	<b>Abbrev. CZE</b>	
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 Food and Biochemical Technology)**Code: **CHAT**

Recommended Elective Subjects: 1Y/WS: S437005-Enterprise Economics or S445001- Applications of Computer Science 1Y/SS: S319001-Biology of the Cell and S101006-General and Inorganic Chemistry II or S413003 Mathematics II 2Y/WS: S320081- Molecular genetics and DNA analysis and S323001-Food Chemistry 2Y/SS: S319004-Trends in Biotechnologies and S320009-Microbiology a S110020-Fundamentals of Chemistry of Pharmaceuticals or S403014- Physical Chemistry II 3Y/WS: S320013-Microbiology: Laboratory and S321023-Food Technology and S323035-Food and Natural Products Analysis 3Y/SS: S320002-Biochemistry II

**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
<b>Elective subject 1 (choose at least 1 subject(s) from this group)</b>					
S437005	Enterprise Economics	837	2p+1c	C+Ex	4
S445001	Applications of Computer Science	445	3c	C	3

**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
<b>Elective subjects 2, 3 (choose at least 2 subject(s) from this group)</b>					
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

**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
<b>Elective subjects 4, 5 (choose at least 2 subject(s) from this group)</b>					
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
S111024	None	---		None	0
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

**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
<b>Elective subjects 6, 7, 8 (choose at least 3 subject(s) from this group)</b>					
S110020	Fundamentals of Chemistry of Pharmaceuticals	110	3p	Ex	5
S112003	Macromolecular Chemistry	112	2p+1c	C+Ex	4
S319004	Trends in Biotechnologies	319	2p+2c	Ex	5
S320009	Microbiology	320	3p	Ex	5
S403014	Physical Chemistry II	403	3p+2c	C+Ex	7



**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
<b>Elective subjects 9, 10, 11</b> (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

**3rd year - SUMMER SEMESTER**

Code	Subject	Department	Study Hours	Exam	Cred
S963020	Bachelor Project	963	15c	C	15
<b>Elective subjects 12, 13, 14</b> (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

