



### Analytical Chemistry

Course	Code	Type	ECTS	Date	Grade
Interpretation of MS and IR Spectra	491ANCHMSPU19	UE	1,5		
Mass Spectrometry	491ANCHMSPV19	VL	1,5		
<b>Total Grade</b>	<b>5</b>		<b>3</b>		

### Chemical Process Engineering

Course	Code	Type	ECTS	Date	Grade
Advanced Chemical Process Engineering	491CHPEAPEV19	VL	3		
Advanced Chemical Reaction Engineering	491CHPEACRV19	VL	1,5		
Basic Plant Design and Engineering	296CPENPDEV19	VL	3		
Lab Course in Advanced Process Engineering	491CHPEAPEP19	PR	3		
Seminar in Process and Plant Engineering	491CHPEPPES19	SE	1,5		
<b>Total Grade</b>	<b>10</b>		<b>12</b>		

### Chemical Technologies of Inorganic Materials

Course	Code	Type	ECTS	Date	Grade
Advanced Inorganic Materials	491CTIMAIMV19	VL	3		
Inorganic Materials in High-Tech Applications	491CTIMIMAV19	VL	3		
Lab Course in Advanced Inorganic Technology	491CTIMAITP19	PR	5		
Inorganic Technology Seminar	491CTIMITSS19	SE	1,5		
Industrial Thin Film Technologies	491CTIMITFV19	VL	1,5		
Safety Engineering	491CTIMSAEV19	VL	3		
<b>Total Grade</b>	<b>15</b>		<b>17</b>		

### Chemical Technologies of Organic Materials

Course	Code	Type	ECTS	Date	Grade
Advanced Biotechnology	491CTOMABTV19	VL	1,5		
Advanced Organic Technology 1	491CTOMAO1V19	VL	3		
Advanced Organic Technology 2	491CTOMAO2V19	VL	3		
Lab Course in Advanced Organic Technology	491CTOMAOTP19	PR	5		
Organic Technology Seminar	491CTOMOTSS19	SE	1,5		
<b>Total Grade</b>	<b>20</b>		<b>14</b>		

### Inorganic Chemistry

Course	Code	Type	ECTS	Date	Grade
Inorganic Chemistry 3	491INCHIC3V19	VL	3		
Photochemistry 1	491INCHPC1V19	VL	1,5		
<b>Total Grade</b>	<b>25</b>		<b>4,5</b>		

### Organic Chemistry

Course	Code	Type	ECTS	Date	Grade
Advanced Organic Chemistry 1	491ORCHAOCV19	VL	3		
<b>Total Grade</b>	<b>30</b>		<b>3</b>		

### Physical Chemistry

Course	Code	Type	ECTS	Date	Grade
Physical and Theoretical Chemistry	491PHCHPTCV19	VL	3		
Physical Chemistry of Surfaces and Interfaces	479POMTPCSV12	VL	1,5		
Catalysis and Reaction Mechanisms	491PHCHCRMV19	VL	1,5		
<b>Total Grade</b>	<b>35</b>		<b>6</b>		

### Soft Skills

Course	Code	Type	ECTS	Date	Grade
Excursion to Industry	491CTOMEXCV19	VL	0,5		
Patent Law and Intellectual Property	491SOSKPLIV19	VL	3		
<i>or</i>					
<b>Gender Studies:</b>					
			3		
<b>Total Grade</b>	<b>40</b>		<b>3,5</b>		

### Bridge subject Technical Chemistry for Biological Chemists

Graduates of the Bachelor's program "Biological Chemistry" have to complete the subject "Bridge subject Technical Chemistry for Biological Chemists" instead of the subject "Electives"

Course	Code	Type	ECTS	Date	Grade
Organic Technology	290CTPEORTV19	VL	6		
Materials Characterisation	290CTPEMACV18	VL	3		
Basic Lab Course in Inorganic Technology	290CTPEBITP19	PR	2		
Chemical Process Engineering	290CTPEPENV19	VL	3		
Basic Lab Course in Organic Technology	290CTPEBOTP19	PR	2		
Basic Lab Course in Chemical Process Engineering	290CTPELPEP19	PR	2		
<b>Total Grade</b>	<b>41</b>		<b>18</b>		

### Bridge subject Technical Chemistry for Fundamentals of Natural Sciences for Technology

Graduates of the Bachelor's program "Fundamentals of Natural Sciences for Technology" have to complete the subject "Bridge subject Technical Chemistry for Fundamentals of Natural Sciences for Technology" instead of the subject "Electives"

Course	Code	Type	ECTS	Date	Grade
Basic Lab Course in Inorganic Technology	290CTPEBITP19	PR	2		
Basic Lab Course in Organic Technology	290CTPEBOTP19	PR	2		
Chemical Thermodynamics	290PHCHCTDK18	KV	1,5		
Computational Chemistry	290GESKCCHK18	KV	1,5		
Basic Lab Course in Chemical Process Engineering	290CTPELPEP19	PR	2		
Organic Technology	290CTPEORTV19	VL	6		
Chemical Process Engineering	290CTPEPENV19	VL	3		
<b>Total Grade</b>	<b>42</b>		<b>18</b>		

### Electives

Graduates of the Bachelor's program "Chemistry and Chemical Technology" must choose a total of 18 ECTS from two of the five chemical electives

Course	Code	Type	ECTS	Date	Grade
<b>Total Grade</b>	<b>50</b>		<b>18</b>		

**Master's Thesis Seminar in Chemistry and Technology**

Course	Code	Type	ECTS	Date	Grade
Master's Thesis Seminar in Chemistry and Technology	491MAARCCTS19	SE	5		
<b>Total Grade</b>	<b>55</b>		<b>5</b>		

**Free Electives**

Course	Code	Type	ECTS	Date	Grade
<b>Total Grade</b>	<b>57</b>		<b>12</b>		

The Vice-Rector for Academic Affairs