

## Module Overview B.Sc. Chemistry (12 Semesters) - Variant 2

Degree Programme Guidelines as per 01.03.2013, Version 01.04.2016

The degree programme consists of 180 Credit Points (CP) in total:

Mandatory Subject Area: 105 CP ■

Mandatory Laboratories: 45 CP ■

Elective Subject Area: 18 CP ■

Bachelor's Thesis: 12 CP ■

Language of Tuition:

**GERMAN**

*Certificates required*



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This leads to the following possible part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Orientation I (0 CP)	Physical Chemistry I (8 CP)	Analytic Chemistry (3 CP)	Physics II (5 CP)	Physical Chemistry II (8 CP)	Elective Course III (other Departments) (3 CP)
General Chemistry (8 CP)		Physics I (5 CP)	„DaMocles“ Project (2 CP)	Introduction to Biochemistry (5 CP)	Orientation II (0 CP)
Mathematics (8 CP)		Organic Chemistry I (7 CP)			Inorganic Chemistry I (4 CP)
Basic Laboratory Course in General Chemistry (2 CP)	Basic Laboratory Course in Physical Chemistry (7 CP)	Basic Laboratory Course in Analytic Chemistry (5 CP)		Basic Laboratory Course in Physics (3 CP)	Basic Laboratory Course in Inorganic Chemistry (11 CP)
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP
7. Semester	8. Semester	9. Semester	10. Semester	11. Semester	12. Semester
Inorganic Chemistry II (4 CP)	Physical Chemistry III (5 CP)	Introduction to Macromolecular Chemistry (5 CP)	Elective Course IV (other Departments) (3 CP)	Elective Course I (Department of Chemistry) (3 CP)	Bachelor's Thesis (12 CP)
Instrumental Analytics (5 CP)	Organic Chemistry II (8 CP)		Chemical Technology I (7 CP)	Elective Course II (Department of Chemistry) (6 CP)	
Toxicology (1 CP)			Specific Instrumental Analytics or Computer Applications in Chemistry (5 CP)		
Chemical Law (2 CP)		Introduction to Macromolecular Chemistry (5 CP)		Basic Laboratory Course in Chemical Technology (7 CP)	
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP