

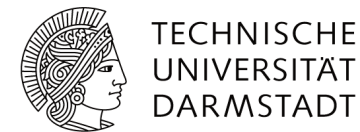
## Module Overview B.Sc. Chemistry - 12 Semesters (Variant 2)

Degree Programme Guidelines as per 01.10.2022, State: 01.10.2022 (SB2022II)

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

<b>Mandatory Subject Area:</b>	109 CP		<b>Elective Subject Area:</b>	9-14 CP	
<b>Mandatory Laboratories:</b>	42 CP		<b>Bachelor's Thesis:</b>	12 CP	
<b>Studium Generale:</b>	3-8 CP				

**Language of Tuition:**  
**GERMAN**  
*Certificates required*



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

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Orientation and Mentoring (0 CP)	Physical Chemistry I (8 CP)	Analytic Chemistry (3 CP)	Physics II (5 CP)	Physical Chemistry II (8 CP)	Inorganic Chemistry I (4 CP)
Safety Instruction (0 CP)		Physics I (5 CP)	Project „DaMocles“ (2 CP)	Introduction to Biochemistry I (5 CP)	
General Chemistry (8 CP)	Basic Laboratory Course in Physical Chemistry (4 CP)	Organic Chemistry I (7 CP)		Basic Laboratory Course in Physics (3 CP)	Basic Laboratory Course in Inorganic Chemistry (11 CP)
Mathematics (8 CP)		Basic Laboratory Course in Analytic Chemistry (5 CP)	Elective Subject Area - Chemical electives (9-14 CP)		
Laboratory Course in General Chemistry (2 CP)			Studium Generale (3-8 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 (4 CP)	Introduction to Macromolecular Chemistry (5 CP)	Chemical Technology I (7 CP)		Bachelor's Thesis (12 CP)
Instrumental Methods I (5 CP)	Organic Chemistry II (8 CP)	Instrumental Methods II (3 CP)			
Toxicology (1 CP)		Physical Chemistry IV (4 CP)	Basic Laboratory Course in Organic Chemistry (10 CP)	Basic Laboratory Course in Chemical Technology (7 CP)	
Chemical Law (2 CP)		Computational Theoretical Chemistry (3 CP)			
Elective Subject Area - Chemical electives (9-14 CP)				Elective Subject Area - Chemical electives (9-14 CP)	
Studium Generale (3-8 CP) *				Studium Generale (3-8 CP) *	
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP

\* These courses may be chosen from the general TU Darmstadt course catalogue (except catalogue of the Department of Chemistry).