

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

**Mandatory Subject Area:** 151 CP ■  
 - including Lab Practical: 42 CP ■  
**Elective Subject Area:** 17 CP ■  
 - including Interdisciplinary Area: 3-8 CP ■  
**Research/Thesis:** 12 CP ■

Language of Tuition:  
 GERMAN  
 certificates required

The following **module overview** is an abbreviated, easy-to-read version of the **official course schedule** in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt:

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester
Orientation and Mentoring; Safety Instruction (0 CP)	Physics II for Chemistry (5 CP)	Physics I for Chemistry (5 CP)	Physical Chemistry III (4 CP)	Physical Chemistry IV (4 CP)	Basic Laboratory Course in Physical Chemistry (4 CP)
Mathematics for Chemistry (8 CP)	Inorganic Chemistry I - Non-Metals (4 CP)	Basic Laboratory Course in Physics (3 CP)	Organic Chemistry II (8 CP)	Basic Laboratory Course in Chemical Technology (7 CP)	„DaMocles“ Project (2 CP)
General Chemistry (8 CP)	Basic Laboratory Course in Inorganic Chemistry (11 CP)	Inorganic Chemistry II - Metals (4 CP)	Basic Laboratory Course in Organic Chemistry (10 CP)	Introduction to Macromolecular Chemistry I (5 CP)	Bachelor's Thesis (12 CP)
Basic Laboratory Course in General Chemistry (2 CP)		Physical Chemistry II (8 CP)		Introduction to Computer Applications in Chemistry (3 CP)	
Analytic Chemistry (3 CP)	Physical Chemistry I (8 CP)	Introduction to Biochemistry I (5 CP)	Chemical Technology I (7 CP)	Instrumental Analytics I (5 CP)	
Basic Laboratory Course in Analytic Chemistry (5 CP)		Hazardous Materials Toxicology (1 CP) Chemical Law (2 CP)		Instrumental Analytics II (3 CP)	
Organic Chemistry I (7 CP)	Elective Subject Area e.g., Basic Practical Course in Biochemistry, Basic Practical Course in Macromolecular Chemistry, Special Instrumental Analysis, Introduction to Computational Theoretical Chemistry, Inter-Semester Group Work, Peer Mentoring (9 - 14 CP)				
	Interdisciplinary Area Open Catalogue of TU Darmstadt (except catalogue of the Department of Chemistry) (3 - 8 CP)				

Study Programmes

[www.tu-darmstadt.de/studieren](http://www.tu-darmstadt.de/studieren)

hobit – Information fair for pupils

[www.hobit.de](http://www.hobit.de)

TUday – Info day for prospective students

[www.tu-day.de](http://www.tu-day.de)

Online Self-Assessment

[www.self-assessment.tu-darmstadt.de](http://www.self-assessment.tu-darmstadt.de)

Course Schedule

[www.tucan.tu-darmstadt.de](http://www.tucan.tu-darmstadt.de)

Application and Admission for international students  
(International Office)

[www.tu-darmstadt.de/international](http://www.tu-darmstadt.de/international)

## Zentrale Studienberatung und -orientierung ZSB (Central Student Advisory and Orientation Office)

Karolinenplatz 5, 64289 Darmstadt

Gebäude S1 | 01

E-mail: [info@zsb.tu-darmstadt.de](mailto:info@zsb.tu-darmstadt.de)

Opening hours: [www.zsb.tu-darmstadt.de](http://www.zsb.tu-darmstadt.de)

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Zentrale Studienberatung und  
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# Chemie Bachelor of Science



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## Brief Description

Chemie plays a rather important role in modern industrial societies – for instance regarding the development of new materials and coloring agents, or even new procedures for the utilisation of fossil and renewable energy sources. In this context, modern chemistry is characterised by its proximity to other sciences such as biology, physics, material sciences, or informatics. But also within the discipline itself, the boundaries between the classical fields are disintegrating constantly.

[www.chemie.tu-darmstadt.de](http://www.chemie.tu-darmstadt.de)

## Admission

For information on application deadlines please refer to [www.tu-darmstadt.de/international](http://www.tu-darmstadt.de/international)