

Chemistry International Master 2024

614 years **Universität Leipzig**

- Second oldest university in Germany, founded in 1409
- Currently around 30.000 students, 450 professors, 2.600 staff, annual budget of about 400 Mio. Euro
- 14 faculties
- 150 study courses (49 Bachelor courses)

Fakultät für Chemie und Mineralogie

Faculty

25 professors

100 first year students
BSc Chemistry

80 first year students
Teacher in Chemistry

900 students

>200 PhD students



Fakultät für Chemie und Mineralogie

Institutes

Institute for **Bioanalytical** Chemistry

Institute for **Analytical** Chemistry

Institute for **Inorganic** Chemistry and Crystallography

Institute for **Organic** Chemistry

Institute for Techn./**Industrial** Chemistry

Wilhelm-Ostwald-Institute for **Physical and Theoretical** Chemistry

Institute for **Didactics** of Chemistry



Fakultät für Chemie und Mineralogie

Cooperating research centers

Institute for Non-classical Chemistry

Biotechnological-Biomedicinal Center

Institute for Interdisciplinary Isotope
Research

Leibniz-Institute for
Surface Modification e.V.

Helmholtz-Center for Environmental
Research (Umweltforschung)



Organisation of the faculty

Dean

Prof. Dr. Christoph Schneider

Vice dean

Prof. Dr. Holger Kohlmann

Dean of study affairs

Prof. Dr. Reinhard Denecke

Administration, technical office, accounting, **study office**

Board of faculty

Study commission

Examination board

PhD board

Student board (Fachschaftsrat)

Direct student involvement!

Structure of SCS course

<u>Compulsory courses</u> (5 ECTS each)	20 ECTS
NMR on biosystems	(new: summer)
Chemistry of natural products	(winter)
Inorganic structural analysis	(summer)
„One-out-of-four“ physical chemistry	(winter or summer)
<u>Choice obligatory courses</u> (8 x 5 ECTS)	40 ECTS
<u>Choice obligatory research lab courses</u> (3 x 10 LP)	30 ECTS
(three different professors, min. two different institutes, only one external)	
Master thesis	30 ECTS
(can be started if only 10 ECTS from choice obligatory courses are missing)	
(duration 23 weeks)	
(contact professor ahead of time – in 3rd semester!)	

Compulsory course on „Good scientific conduct“ (any time, before diploma)

Structure of ASC course

<u>Compulsory courses</u> (1st semester, Lille)	30 ECTS
Mass spectrometry	(5 ECTS)
NMR	(5 ECTS)
Optical spectroscopy	(5 ECTS)
X-ray diffraction	(5 ECTS)
Quantum chemistry	(5 ECTS)
Language course	(5 ECTS)

Compulsory course (2nd semester)

Synchrotron radiation	5 ECTS
Structural Inorganic Chemistry	5 ECTS

Choice obligatory courses (8 x 5 ECTS)

<u>Choice obligatory research lab course</u> (1 x 10 LP) (3rd semester!!)	10 ECTS
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Master thesis	30 ECTS
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(can be started if only 5 ECTS from choice-obligatory courses are missing)
(duration 23 weeks)
(contact professor ahead of time – now! 2nd reviewer within ASC)

Choice obligatory courses

Name	Number SCS	term
Analysis of Solid Surfaces	13-122-0413	Winter
Nanostructured catalytic systems	13-122-0511	winter
Protein crystallography	13-122-1111	winter
Methods and procedures for Trace analysis	13-121-0125	winter
Bioorganic chemistry	11-121-1112	winter
Physical Chemistry of Clusters	13-121-0420	winter
Computational Chemistry of Solids	13-121-0624	winter
Recent trends in Chemistry	13-121-1416	winter
Function control at complex surfaces	13-121-0422	winter
Chemistry of natural products (only ASC)	13-121-0321	winter

Choice obligatory courses

Name	Number SCS	term
Receptor Biochemistry	11-122-1121	summer
Spectroscopy (Elmag radiation - matter)	12-122-1511	summer
Homogeneous catalysis	13-121-0221	summer
Highlights in natural products synth.	13-122-0321	summer
Modern concepts in catalysis	13-122-0521	summer
Separation techniques and advanced „-omics“-techniques	13-121-1119	summer
Selected topics of NMR	13-122-0122	summer
Surface spectroscopy – methods and applications	13-121-0423	summer
Modern methods of theoretical chemistry	13-121-0621	summer
Recent trends in Chemistry	13-121-1416	summer

Faculty



BBZ

Registering for modules in summer semester 2024

All students have to register for the modules in their study programme at our faculty.
Register online via „[Tool](#)".

tool.uni-leipzig.de

Exempted from online registration:

- Language courses of the language centre - Sprachenzentrum
- Advanced Laboratory courses (Master Chemistry, Mineralogy and Material Science, Advanced Spectroscopy in Chemistry and Structural Chemistry and Spectroscopy)

When? **Until 25.03.2024 5pm still possible for Master programs**

Registering for the module classes includes mandatory registering for the module exams.
Students will be excluded from the module exam if they are not registered for the module.

Visible in AlmaWeb after 28.03.2024

You can **sign out from a module** via **“AlmaWeb”** until **8.06.2024, 23.59 Uhr**. In that case you are also signed out from the module exam.

If you need assistance please ask Annegret Cornehl or buddy

SCS/ASC Research Projects 10 ECTS

With any Chemistry Professor by personal appointment

External projects have to be approved by a Chemistry professor and the Dean of study affairs beforehand (only one external project possible!)

**Duration is one semester, start almost continuously
→ Maximum duration half a year**

Please contact possible supervisors ahead of time!

**„Yellow sheet“ for documentation: pick up at or email
Office of Study Affairs**

Important rules for exams

Modules with partial exams:

- Count as one exam → **can only be passed or failed as a whole**
 - if sick, single parts might be repeated
(medical confirmation for each part necessary)
 - if failed, all parts need to be repeated

Multiple exams in one module:

- without asterics: results are added and averaged; repetition only if average below 4,0; then only repetition of exam which was below 4,0

Repeat exam:

- **sickness** (medical confirmation): participation at **1st repeat exam compulsory**
- **Failed**: participation in 1st repeat exam strongly recommended (loss of time)
(exemptions might make sense, **repetition within one year compulsory**)
(some modules might not be eligible)
- Please send message to lecturer in good time if you want to participate
- **Failed 2nd time: apply for 2nd repeat exam immediately, participate in next available exam**

No possibility to improve grades of exams you have passed!

Rules for Master Thesis

Only 10 ECTS (5 ECTS in ASC) missing from choice obligatory modules

➔ Lab courses (research projects) and obligatory modules must all be finished

Duration 23 weeks

Protocol:

- both reviewers need to sign (ASC: external will be organized)
- sign yourself to take on topic
- examination board signs
- due date in protocol is fixed

➔ then work can start!

Submission:

- pdf sufficient for keeping the date, 2 printed copies next w'day
- distribution to reviewers by examination office
(always, even pdf!!)

Colloquium (defense): usually after reviews are in (not necessarily)

- ➔ fix date with reviewers
- ➔ for ASC: instead of external reviewer 2 professors from UL
- ➔ submit date to examination office (allow enough time)

Enrollment

Late enrollment deadline: April 17th (online booking for appointments on April 10 or 17)

If you cannot make the deadline, you will not be enrolled now!

Please do not come to Germany and do not pay the semester fee!

Shift your enrollment to the winter term

Send email to: annegret.cornehl@uni-leipzig.de; new admission documents in May/June

Communication

Always use your Leipzig University email address and give important information (like full name, matriculation number, number/name of module etc)

One email to one address is enough!

Multiple emails due not speed up the process!

We try to answer as soon as possible.

Useful announcements & links

Last online Question & Answer session: **25th March 08:00 am**

-> Zoom-Link provided in the doodle at

<https://terminplaner6.dfn.de/p/e7f74479151a46456a42f6f7848ba923-614603>

Campus Tour with Buddy Niloufar: **4th April, 1:15 pm**, meeting point: outside the main entrance of the Faculty main building

Start of study at Faculty incl. **student guide** for international students (**FAQ**):

chemie.uni-leipzig.de/en/startyourstudies

Deadlines for **module registration** and **timetables**:

chemie.uni-leipzig.de/en/timetables

Course catalogue in AlmaWeb:

almaweb.uni-leipzig.de -> EN -> [Course Catalogue](#)

Research lab courses – Rules/ Research topics of research groups:

chemie.uni-leipzig.de/en/study/during-your-studies/thesis-and-research-practical-courses

Exam dates: available approximately middle of May:

chemie.uni-leipzig.de/en/exams

Need help?

Information about study, exams, regulations:

Dean of Study Affairs, local ASC coordinator

Prof. Dr. R. Denecke

Email: denecke@uni-leipzig.de

Consultations to be announced

Please first contact Dr. Gruschinski or Ms. Cornehl for appointment and general information

Examination office

Dr. Sina Gruschinski

sina.gruschinski@uni-leipzig.de

Room 128/29

Consulting:

Annegret Cornehl

annegret.cornehl@uni-leipzig.de

Room 130

contact hours: Tue 1-3 pm & Thu 9-12 am (walk in)

Tue 9-12 am & 1-03 pm (telephone)

Buddy

Niloufar (Master student)

buddychemie@uni-leipzig.de

If in doubt or in trouble please contact us in good time! Usually immediately!

The possibilities to help are much more abundant and the chances for a good solution are much better before than after an event!

Please feel free to contact us at the end of your first semester so that we can discuss possible issues before the second semester starts