

StV Chemie
Technische Chemie, Biologische Chemie,
Polymerchemie, Wirtschaftsingenieurwesen
Technische Chemie



Student Guide for Chemistry

Student Representation
Chemie

chemie@oeh.jku.at

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Welcome at the TNF

When you read this, you are either already enrolled in a technical course at JKU, or at least show great interest in it. Congratulations! JKU's technical departments in particular enjoy an excellent international reputation, and graduates of all TNF studies have excellent job prospects. Although the TNF is the smallest with approximately 4500 students, it is also the most diverse faculty of the JKU with over 30 different studies.

At the beginning of a new course of study, it takes time to get to grips with the university or to get to know the course of study better. These are reasons of which often questions or problems arise that make you unsure of what to do. This is where we—the ÖH TNF—come into play. Do not hesitate to contact us if you have any questions or problems. We always have an open ear and will do our best to help you. The best way to reach us is to send us an e-mail or to come directly to one of the StV consulting cafés at the TNF-Kammerl (I.1.3). You can find out more about this in this brochure—it should serve as a guide for starting your studies and hopefully already answer many of your questions.

The ÖH TNF is subdivided into 11 different student unions (StV) which, depending on what you are studying, represent your interests and advise you on problems with courses or professors. In this brochure you can find out who is in charge of which studies and how you can reach them. The first part provides you with general information about the university and your studies. The second part was written by your StV, is tailored to your studies and offers further information to help you get off to a successful start. Besides our homepage (www.oeh.jku.at/abschnitte/technik-und-naturwissenschaften), e-mail (tnf@oeh.jku.at) and Instagram ([instagram.com/oehtnf](https://www.instagram.com/oehtnf)) you also have the possibility to contact us via Facebook: [fb.com/jkuehntnf](https://www.facebook.com/jkuehntnf).

On behalf of the entire ÖH TNF, I wish you every success in your first or new semester and a good start to your studies—I hope we see you over a cup of coffee in the TNF-Kammerl or at another of our many events.



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I General Information for Studies at the TNF

I.1 What is the ÖH?

The ÖH (Österreichische HochschülerInnenschaft) is the legal representation of the interests of all students in Austria. It represents the students in various committees and takes care of their concerns and problems. For each field of study there is a team of study representatives who can always help you with their experience.

I.1.1 Structure & Outline

At the top is the federal representation (BV) of the ÖH. It receives all ÖH contributions, which are later distributed to the respective university representatives (UV). The Federal Constitution lays down general guidelines and the tasks of the respective UVs.

The university representation is responsible for the higher-level organisation of the ÖH at the respective university. Like the BV, it is determined every two years by the election of parliamentary factions or lists. The UV determines, for example, which divisions are to be established at the respective university.

The respective faculty representation (FakV) is located under the UV. The JKU has the following four faculties:

- the SOWI (Faculty of Social and Economic Sciences),
- the RE (Faculty of Law),
- the TNF (Faculty of Science and Technology) and
- the MED (Medical Faculty).

Each of these faculties has its own faculty representation, which is made up of elected members of the respective study representatives. The FakV is responsible for the organisation within its own faculty and serves as the coordinator for the student unions (StV). It is also the link between the unions and the UV.

The Student Representations are your first point of contact if there are problems with courses or lecturers or if questions arise regarding your studies.

I.1.2 Contact Data

During the semester, the individual student representatives hold office hours at the ÖH TNF office (TNF-Kammerl in the Kepler building, see I.1.3). The times entered here are valid for the coming semester, but are subject to change. Current office hours will be posted in front of the TNF-Kammerl at the beginning of the semester.

Fakultätsvertretung TNF <i>tnf@oeh.jku.at</i>	All Studies
StV Chemie <i>chemie@oeh.jku.at</i> Monday, 12:00-13:30	Chemistry and Chemical Technologies (BA, MA) Biological Chemistry (BA, MA) Polymerchemistry (MA) Management in Chemical Technologies (MA)
StV Elektronik und Informationstechnik <i>elektronik@oeh.jku.at</i> Thursday, 10:15-11:45	Elektronik und Informationstechnik (BA, MA)
StV Informatik & AI <i>informatik-ai@oeh.jku.at</i> AI: Tuesday, 10:15-11:45 Informatik: Tuesday, 13:45-15:15	Informatik (BA) Computer Science (MA) Artificial Intelligence (BA, MA)
StV Kunststofftechnik Maschinenbau <i>kunststofftechnik@oeh.jku.at</i> <i>maschinenbau@oeh.jku.at</i> Tuesday, 12:00-13:30	Kunststofftechnik (BA) Maschinenbau (BA, MA) Polymer Technologies and Science (MA) Management in Polymer Technologies (MA)
StV Lehramt <i>lehramt@oeh.jku.at</i>	Lehramt Sekundarstufe (BA, MA)
StV Mathematik <i>mathematik@oeh.jku.at</i> Monday, 13:45-15:15	Technische Mathematik (BA) Computermathematik (MA) Industriemathematik (MA) Mathematik i.d. Naturwissenschaften (MA)
StV Mechatronik <i>mechatronik@oeh.jku.at</i> Thursday, 10:15-11:45	Mechatronik (BA, MA) Medical Engineering (BA) Maschinenbau (BA, MA)
StV NaWi-Tec <i>nawitec@oeh.jku.at</i> Monday, 13:45-15:15	Naturwissenschaftliche Grundlagen der Technik (BA)
StV Physik <i>physik@oeh.jku.at</i> Thursday, 13:45-15:15	Technische Physik (BA, MA) Molekulare Biowissenschaften (BA) Molekulare Biologie (MA) Biophysik (MA) Nanoscience- and Technology (MA)
StV Medical Engineering <i>medeng@oeh.jku.at</i> Wednesday 10:15-11:45	Medical Engineering (BA, MA)
StV Doktorat TN <i>tnf-doktorat@oeh.jku.at</i>	Doktoratsstudium Naturwissenschaften Doktoratsstudium Tech. Wissenschaften
StV ReWiTech <i>rewitech@oeh.jku.at</i>	Recht und Wirtschaft für TechnikerInnen (MA)

I.1.3 The TNF-Kammerl

The TNF-Kammerl (roughly translated, the TNF-chamber) consists of two rooms and is the headquarters of the ÖH TNF. During office hours you can exchange ideas with your student representatives and other students over coffee and cake. If you have any questions, but no time to come by in person, send an e-mail to ÖH TNF (tnf@oeh.jku.at) or to your student representative and we will make a separate appointment with you. The TNF-Kammerl is located in the Keplergebäude/Hörsaaltrakt diagonally opposite the Sparkasse branch (the exact room number is HT0021E).



1.2 Studying at the TNF

1.2.1 5 steps to studying at JKU TNF

All beginnings are difficult, even when studying. That's why we show you the start of your studies in five steps. These steps should serve as a guideline for the first months at JKU. Further details can be found in this guide, online on the listed websites or on request by e-mail.

- Use the online pre-registration (jku.at/voranmeldung).
- Immatriculate at the department for teaching and study organisation in the bank building (Zulassungsservice/admissions service, rooms BA113A and BA113B). Here you will receive your matriculation number, which will accompany you throughout your entire university life, you can enrol for your desired field of study and you will receive your JKU Card.
- Pay the ÖH contribution (now only by bank transfer - more information in the KUSSS in "Tuition fee").
- Register in the KUSSS (kuss.jku.at) for the courses and attend the first date of each LVA (even if there is no obligation to attend, if you were not accepted, or if you were accepted in the wrong group).
- Ask your student representative about further steps, such as crediting. This works best with a cup of coffee in the TNF-Kammerl. Just come to our office café or send us an email ;-)

Optional:

- Visit the study counselling days and get valuable tips before you start your studies.
- Set up your email address (more info at 1.3.2).
- Take part in the first semester tutorial: Get to know new people and gather insider knowledge about leisure activities at the university (You can get more information at the beginning of the semester and under 1.3.6).
- Visit the ET-Mensafest and celebrate yourself at the beginning of your studies.
- Check with the social services (Sozialreferat) department for possible subsidies and grants.

1.2.2 Study Manual / CEUS

In the study manual (studienhandbuch.jku.at), also called CEUS, the individual courses of the JKU are described. Among other things, it specifies which course a course of study (LVA) belongs to, what content is taught and how the grade in this LVA is achieved.

I.2.3 JKU Campus Map

Lecture Halls and Seminar Rooms The names of the rooms follow this pattern:

- first the letters of the building abbreviation
- then the floor number,
- followed by the room number.
Example: S3 219 = Science Park 3, 2nd floor, Room 19

The lecture halls do not follow this pattern - they are simply abbreviated as HS (Hörsaal in german).

B Hauptbibliothek

BA Bankengebäude BA 9907, BA 9908, BA 9909, BA 9910, BA 9911, BA 9912 (in the basement)

HF Hochschulfondsgebäude HF 9901, HF 9904, HF 9905 (in the basement)

HG Hörsaalgebäude HS 9, HS 10

HP Halbleiterphysik

HT Hörsaaltrakt HS 2, HS 3, HS 4, HS 5, HS 6, HS 7, HT 177F, HT 176G

J Juridicum

K Keplergebäude HS 1, K 001A, K 009D, K 012D, K 033C, K 034D, K 112A, K 153C, K 224B, K 269D

KG Kopfgebäude KG 512

MI Mikroelektronik

MT Mechatronik Science Park 1 MT 127, MT 128, MT 226, MT 226/1, MT 327

MZ Managementzentrum HS 15, HS 16, HS 17, MZ 003A, MZ 003B, MZ 005A, MZ 005B, MZ 112B, MZ 412A

OIC LIT Open Innovation Center Stufensaal

P Physikgebäude HS 8, P 004, P 215

S2 Science Park 2 S2 044, S2 046, S2 048, S2 053, S2 054, S2 059, S2 Z74, S2 120, S2 219

S3 Science Park 3 HS 18, HS 19, S3 047, S3 048, S3 055, S3 057

S4 Science Park 4 S4 025

S5 Science Park 5 S5 101, S5 102, S5 103

T TNF-Turm HS 11, HS 12, HS 13, HS 14, T 405, T 406, T 406/1, T 911

UC Mensa und Uni-Center Festsaal A-B, Loft B-D, UC6, Besprechungsraum 1-6

Learning Zones In almost every JKU building there are areas for students with seating and tables. These learning zones are equipped in different ways. Especially for technicians there are learning zones on the 1st floor of Science Park 1 and in the southern part of Science Park 2 and 3. These are equipped with enough sockets and good network access.

Furthermore a learning zone was additionally set up in the library, which is open 24 hours a day and also at weekends, further more there is the learning center, which is located on top of the main library. Your JKU Card must be activated to use them. Simply contact the staff of the main library.

Porter The porter is located on the ground floor of the head building. The porter's office is manned around the clock. In addition to access control at the campus, the concierge also operates a lost property service. If you lose your JKU Card, for example, you have a good chance of finding it in the porter's office.

1.2.4 The academic year - dates and deadlines

Information about current deadlines and dates can be found on the JKU homepage at jku.at/en/studying/studies-from-a-z/dates-deadlines/

Here you will find important dates for the winter semester 2020/2021:

<i>Online Pre-Registration WS:</i>	11.07. to 05.09.2022
<i>Admission Period WS:</i>	11.07. to 05.09.2022
<i>Grace Period WS:</i>	06.09. to 31.11.2022
<i>Main Enrolment Period WS:</i>	06.09. from 07:00 to 23.09.2022
<i>Allocation Results WS:</i>	30.09.2022
<i>Semester Start WS:</i>	01.10.2022
<i>Course-Start:</i>	05.10.2022
<i>Christmas Holiday:</i>	19.12.2022 to 06.01.2023
<i>Semester End WS:</i>	28.02.2023
<i>Semester Break:</i>	01.02. to 28.02.2023
<i>Period without Courses and Exams</i>	Sundays, public holidays, and 02.11.2022

1.2.5 JKU Card and Service Points

The JKU Card is your digital student identity card. With this card you can take advantage of various offers of the university, such as e.g.:

- Library card — for lending books from the library
- Cafeteria card — your requested Mensa bonus see 1.3.3 is stored on the card and can be linked to your NFC ATM card
- Parking ticket - with the JKU Card you can open the barrier to the parking lot. In addition to the daily rate, there is also a semester ticket for students, which can be purchased at *Building and Technology (Gebäude und Technik)* which is located in the head building (Kopfgebäude), room KG102.
- Electronic key - the JKU Card stores the accesses for offices or the 24/7 learning zone
- 24 Hours Learning Zone - To enter the 24 Hours Learning Zone, you must unlock your JKU Card in the Library.

Service Points The Service Points are electronic portals distributed throughout the campus. There you can activate your new JKU Card and have the validity date reprinted. These portals are located in physics building (Physikgebäude) ground floor (5 Servicepoints) in the bank building (Bankengebäude) ground floor (1 Servicepoint), management centre (Managementzentrum) ground floor (1 Servicepoint), lecture hall wing A (Hörsaaltrakt Gang A) (2 Servicepoints) and Science Park 3 ground floor (1 Servicepoint). Further information can be found at help.jku.at/im/en/jku-account/jku-card.

1.2.6 Kepler University Study Support System (KUSSS)

The KUSSS (kuss.jku.at) is the registration system for students. During the registration period — usually the last month before the beginning of the semester — all students can register for LVAs. The system also checks whether the prerequisites for a course of study have already been fulfilled. This means that you decide for yourself which courses you want to attend!

If you have passed an exam, this will also be entered in the KUSSS. Thus you can follow your entire progress in the KUSSS. The KUSSS also offers the option of exporting the dates of courses to the iCal format. This allows you to import your courses into your calendar on your PC or phone. In addition, there are apps for Android and iOS, which bring the most frequently used functions, such as course plan and Mensaplan, to your smartphone. (See also 1.3.2)

I.2.7 Types of Courses

- VO/VL:** Lectures are courses in which the subject matter is usually taught in the form of presentations. There is no obligation to attend, but a regular attendance is useful for a better understanding of the material. At the end of the lecture there will be a written exam and/or an oral examination.
- UE:** Exercises are held to accompany lectures and have the purpose of reinforcing the material presented by means of examples. Usually there are homework exercises, which are carried out independently.
- PR:** During an practical course, your theoretical knowledge will be put into practice and, for example, a measuring circuit will be set up.
- KV:** Combined courses are, as the name suggests, a mixture of lecture and exercise. The subject area is explained as a lecture and learned in a practical part.
- SE:** In seminars, a part of the subject area is usually developed and then presented on one's own responsibility.

Types of Allotment In the KUSSS there are different ways to get from the registration of a LVA to the allocation. The type of allocation is indicated in the KUSSS registration page of each LVA above.

- **Allocation according to sequential order:** First come, first served. The time of registration is essential. If a registration is changed (e.g. by changing the exercise group), the last change is used.
- **Direct allotment:** As in the case of allocation according to sequence, the registration date is decisive. However, the registration is carried out immediately.
- **Allocation according to precedence number:** The registration time is insignificant, because the waiting bonus and the part-time bonus are essential here. If there are still too many of the same order, a random number decides.

There are only a few compulsory courses in the TNF that offer too few places for all interested students. Therefore, the priority number does not play an important role for us. Especially with free LVAs and especially with language courses, the number of places is often very limited. You can find further information under [jku.at/en/studying/studies-from-a-z/kuss/kuss-faqs/class-allocation](https://www.jku.at/en/studying/studies-from-a-z/kuss/kuss-faqs/class-allocation).

Exams and Tries If you want to take an exam, you usually have to register for it in the KUSSS. If you change your mind later and still cannot or do not want to take the exam, please unsubscribe from the exam in time or inform the exam administration by e-mail.

Generally, you have five tries to each exam/course. No negative assessment can be made for non-performance. At your third start you have the choice to take the exam on a commission basis. This means that two more professors will correct the examination. The fourth and fifth examinations are always commission-based. If you have not passed the exam/course after the fifth start, you can no longer complete your studies. If you have any problems, please contact your student representative in a timely manner.

Free LVAs In addition to the compulsory subjects and subjects that you choose as a subject consolidation of your knowledge, there are also so-called *free courses*. How many of them you have to complete is indicated in your curriculum in ECTS.

For the free courses you can collect ECTS from all courses at the JKU which are not listed in your compulsory subjects. You can also count subjects from other universities (e.g. from abroad) as free courses.

Many students attend the course *Scientific writing and layout using LaTeX*. This course is divided into 2 parts and provides basic knowledge about the typesetting program \LaTeX , which is used for almost all scientific work in the technical field.

Furthermore, language courses are offered at the JKU, which are often used as free courses and can be especially useful for stays abroad. If you are a technician and would like to improve your English vocabulary, you can do this especially in the course *Advanced English for Science, Technology and Law - Level B2* by Prof. Pree.

1.2.8 Completion of the Bachelor's programme

It will take a little while before you complete your Bachelor's degree, but we would like to tell you a few things you should watch out for in advance. For information on what to do when graduating, see jku.at/en/studying/studies-from-a-z/degree-completion/completion-of-the-bachelors-degree-program/.

How do I complete my Bachelor's degree? The curriculum lists all the courses required to complete the Bachelor's programme. On CEUS (studienhandbuch.jku.at) you will find a complete list of all compulsory and elective courses:

Once you have completed all courses and the Bachelor thesis, you can apply for the Bachelor degree at the Examination and Recognition Service (Bankengebäude/101B). The Bachelor's programme is completed with the date of the last required course grade or optionally on the day of application.

How and when can I find a Bachelor thesis? Usually you work on your bachelor thesis in your last semester. Of course, you can also start earlier.

A Bachelor's thesis is always supervised by an institute. Many institutes list available topics on their homepages and course heads point out current topics in their courses. If you have found a topic in this way, it is advisable to arrange an appointment for an interview with an employee of the institute by e-mail. Of course, you can also submit your own well-considered topic suggestions to many institutes. A bachelor thesis can also be prepared externally (e.g. in your company). However, you must first find an institute that will take care of the supervision and ultimately assess your work.

Some student representatives regularly organise bachelor information evenings for you, where, in addition to general information, institutes also present their field of research and available topics. Another source for finding topics is the ÖH JKU thesis exchange at www.oeh.jku.at/boerse/abschlussarbeiten.

What do I have to hand in to the Examination and Recognition Service? Before you go to the Examination Division, you must complete the Examination Grid. This can also be found under jku.at/en/studying/studies-from-a-z/degree-completion/completion-of-the-bachelors-degree-program/. All grades and the corresponding examination date must be filled in the grid. In the KUSSS under Exams - Help Examination Rosters you can print out a fill-in aid which lists your courses structured according to the current examination grid.

The examination grid can also be submitted incompletely shortly before the end of your studies (if you are only missing one grade), which can shorten the processing time in the examination service in the case of final submission.

I would like to take subjects from the Master's programme before graduating. Is that possible? Yes, you can! In many cases, subjects from the Master's programmes are offered as special subjects in the Bachelor's programme. In order not to completely disrupt the timetable of your studies, we recommend that you complete your Bachelor's degree in a timely manner and only then fill your semester with courses from the Master's curriculum.

Caution! If you have already completed Master's courses in your Bachelor's programme, you should not have these credited as free course! Otherwise, it is very difficult to complete your following Master's course!

How are the overall grades for the Bachelor's degree calculated? The certificate consists of the overall grades of the subjects, which are broken down in the respective examination grid. The examination service calculates the overall grades from the subjects that consist of several examination units as follows:

- Sum of the course scores multiplied by the corresponding ECTS.
- Divided by the total number of ECTS in the subject.
- The result is rounded, if necessary, and rounded up if the result is .5 or higher.
- Courses concluded with "Participated successfully" are not included in the overall grade. For an overall grade to be formed, at least half of the courses of the subject must therefore be graded.

Further steps and master entry The processing of the examination grid by the examination service takes 1-2 weeks. Once the processing is completed, you will find the overall grades in the KUSSS under Exams - Results on my exams at the bottom of the page.

Now it is possible to enrol at the admissions service (Bankengebäude/B113A) for the Master's programme. Alternatively, the next course of study can be directly selected at the end of the examination roster. If you enrol for a postgraduate Master's programme, the general admission deadlines do not apply! You can register at any time.

You can pick up your Bachelor's certificate about a week later from the Examination and Recognition Service, but it is not required to register for the Master's programme.

To be noted for the time between Bachelor's and Master's studies It should be noted that you are not officially considered a student in the period between the Bachelor's degree (i.e. the date of the last examination or the date of issue of your last certificate) and enrolment in a Master's programme. This means that you are not allowed to take exams or write exams during this time. If this cannot be avoided, you should talk to the examiner in advance to see if she could give you the grade with a different date. This should normally not be a problem. Furthermore, you are no longer officially insured as you are "not a student". The whole thing is just a bureaucratic restriction, but unfortunately you have to live with it.

1.3 About the Studies

1.3.1 Preparatory courses at the JKU for TNF students

In order to make it easier for first-semester students to start at TNF, preparatory courses are offered before the actual start of their studies. In these courses, essential contents of secondary school subjects are repeated in a condensed form and prepared for the introductory lectures. For first-year students without programming experience, the basis for successful participation in the programming courses is laid.

Participation is voluntary. Since experience has shown that previous knowledge differs, the preparatory courses are aimed particularly at those first-year students who want to close specific gaps in their knowledge or whose university entrance qualification dates back some time.

The JKU offers the following preparatory courses in the winter semester:

- Mathematics for various courses of study
- Mathematics intensive course for students of mechatronics, electronics and information technology and plastics engineering (during the semester, from October to December)
- Introductory physics week.
- Physical Foundations of Electrical Engineering and Mechanics
- Practical Programming Knowledge (Java) and Python Programming (especially for AI)

You can find out more about the preliminary courses online at jku.at/en/studying/studies-from-a-z/preparation-courses.

1.3.2 Wi-Fi, E-mail, Eduroam and Software for Students

The JKU will provide you with an eduroam account with your enrolment. This account gives you an email address, Wi-Fi access, KUSSS access, Moodle access, etc. This means that you can log in with your username and password to all services of the university. The username is *k<matriculationnumber>@students.jku.at*, e.g. *k01234567@students.jku.at*. You can change your password on *account.jku.at*. Further information can be found on help.jku.at/im/accounts.

Wi-Fi and eduroam There are two wireless networks on campus: JKU and eduroam. In the JKU network, after connecting to a website, you log in with your matriculation number and your password. Unfortunately, this is limited to one device at a time and is not encrypted. eduroam, on the other hand, is encrypted, can handle several devices at the same time and is also offered internationally. This means that you can also use eduroam offers in other countries. When connecting to eduroam you log in with *k<matriculationnumber>@jku.at*. The eduroam password can be changed on *account.jku.at*. For more information, see help.jku.at/im/netzwerkzugang/campus-wireless-lan and on eduroam.jku.at.

E-Mail All students have an e-mail forwarding service from the JKU. This allows you to register for services that offer you as a student special conditions, such as software licenses. All e-mails to this address will be forwarded to the private e-mail address entered in the KUSSS. Further information can be found at help.jku.at/im/en/e-mail-kalender/e-mail-fuer-studierende.

Software for Students Software is partly needed during the studies to be able to fulfill tasks of some LVAs. In these cases you will usually be told in the LVA where the required software is available. On help.jku.at/im/software/software-fuer-studierende you will find a small compilation of the offered software.

Microsoft licenses for Technicians (MS Imagine) As student of the TNF you can purchase licenses of many Microsoft legally and for free. You will find more informations (currently in German) at oeh.jku.at/microsoft-lizenzen-azure-dev-tools.

Microsoft Office 365 ProPlus Since 2016, the Microsoft Office 365 ProPlus package has also been available free of charge to all JKU students. This license allows you to install and use Microsoft Office including updates on up to 5 PCs or Macs, 5 tablets and 5 smartphones and you get 1TB of additional storage space with Microsoft OneDrive. For more information, see help.jku.at/im/software/software-fuer-studierende.

u:book At the JKU, notebooks can be purchased twice a year from u:book in 3-4-week sales windows. This service is available to all students and staff at universities, FHs and schools. Further information can be found at ubook.at.

Apps To simplify some functions in KUSSS and make them more usable for mobile use, there are some apps for Android and iOS. What you use in the end is up to you, we only give an overview of existing offers.

- **JKU App** by Marunjar (Android): This app was written by JKU students and the source code is available on Github. Beside the usual functions like timetable, Mensaplan and campus plan the app offers comfort functions like calculation of the grade average and detailed statistics of the study achievement. play.google.com/store/apps/details?id=org.voidsink.anewjkuapp
- **ÖH JKU** by SCF Software (Android, iOS): The new ÖH JKU App offers you many functions of the KUSSS (timetable, sheet music), Mensaplan, Campusplan as well as current ÖH News. play.google.com/store/apps/details?id=at.scf.kusss bzw. itunes.apple.com/de/app/oh-jku/id995084406?mt=8

1.3.3 ÖH Mensabonus, Mensen and Cafés

If you study hard, you have to eat. Since this costs a lot of money, the ÖH Mensabonus was introduced a few years ago. With this bonus you get the menu or the vegetable plate in the canteen a lot cheaper.

You can apply for the Mensabonus in the KUSSS under *Personal data — Austrian Student Union Cafeteria (Mensa) discount*. The next time you visit a service point, a "M" will be printed next to the date on the JKU card.

- The **JKU Mensa** is located in the Uni-Center. Here you can choose between 2 menus and the Choice-Mensa-Markt.
menu.mensen.at/index/index/locid/1
- The **KHG-Mensa** is located on the ground floor of the student home KHG.
dioezese-linz.at/khg/mensa/menueplan
- The **Raabheim-Mensa** you'll find at the Raabheim. The menu is online at www.sommerhaus-hotel.at/de/linz#restaurant.
- The **Chöt-Cafe** is located in the Keplergebäude/Hörsaaltrakt and offers a different soup every day in addition to various bread rolls and snacks.
menu.mensen.at/index/index/locid/53
- The **Science-Cafe** is located on the ground floor of Science Park 3.
menu.mensen.at/index/index/locid/63
- The **Teichwerk** swims hardly to be overlooked in the pond.
dasteichwerk.at
- The **Café Sassi** is a small restaurant in the Bankengebäude, which also runs a punch stand in winter and attracts with some specialities.
sassi.at
- The **SPAR Digital Flagship Store** is located in the Open Innovation Center (OIC).
www.spar.at/regionales/oberoesterreich/spar-am-campus-derjku

1.3.4 Helpful services of the ÖH

The ÖH JKU offers a number of helpful services, which we will present here shortly.

- **Sozialreferat:** They are experts on various topics concerning financial aids and study fees, accessibility, insurance etc.
- **Referat für Migration und Integration:** If you are a student coming from abroad, the ReMi will help you with your visa and admission, supplementary tests etc., but also with integration as a whole.
- **Referat für Frauen, Gender und Gleichbehandlungsfragen:** This referat can help you when you have to deal with discrimination or sexual harassment.
- You can find more Services at <https://oeh.jku.at/referate>.

1.3.5 USI - UniversitySPORTSInstitute

The University Sports Institute (USI) at JKU Linz offers numerous, mostly weekly courses in various sports at reasonable prices during the semester. The extensive offer includes common sports such as volleyball and climbing, but also some martial arts and various dance courses. In the winter semester, the practice starts on 1 October, registration is possible online from mid-September. In the summer semester, the course starts on 1 March and the registration period begins in mid-February. The USI also has a fully equipped fitness room with strength and cardio machines. You can find more information on www.jku.at/usi.

1.3.6 First-Semester Tutorial (ET) / Mentoring

The first semester tutorial (short: ET, sometimes also called Mentoring) is another contact point for you in the first semester. The aim of the tutorial is to make it easier for you and all other first-semester students to start their studies.

A group of motivated students from the TNF, who also once stood at the beginning of their studies, will accompany you through the first semester. You can choose this group yourself at an interview (first university week). If you don't have time for the interview, you can simply write an email to elias.prohaska@oeh.jku.at and you will be assigned to a group, where we of course take your interests into consideration.

Your ET group will then offer weekly meetings to get to know other freshmen and university life and to escape the everyday life of studying. The joint activities of the groups range from cooking together to game evenings, ice skating, barbecuing, bowling, cinema, film evenings to going out together and home bar rounds. Here, too, the events of the groups vary.

All activities are voluntary and you are of course not obligated to come if you don't have time. Every appointment should be fun, we want to be your contact person for all questions and offer help where you need it.

I'm looking forward to seeing you!
Elias Prohaska, Head of ET-TNF
elias.prohaska@oeh.jku.at

I.3.7 Events

Due to the situation caused by the corona pandemic, the events mentioned here and later in the guide will only take place to a limited extent or not at all. Of course, the ÖH must also adhere to the currently applicable restrictions and measures and accordingly we decide at short notice whether an event can take place or whether a replacement event is planned on a smaller scale.

In order to always be up to date and not to miss any announcements, it is best to follow us on our social media channels and keep an eye out for our e-mails, in which we always inform you about current events.

Students who complete a technical course of study face one of the most difficult challenges to overcome at university level. Of course, there must also be some variety to compensate for this. The ÖH TNF organizes some festivals for this purpose:

Debut Parties: At the end of October we organize the TNF debut parties in the Mensakeller. All students and teachers of the respective faculty are invited. The debut parties are of course specially designed for first-semester students in order to get to know people from higher semesters. In the cafeteria cellar, on three consecutive days, there will be the computer science AI/electronics Einstandsfest", the chemistry/plastics "Kükenfeständ then the mathematics/physics/teaching profession Einstandsfest. Once a year one of the mechatronics institutes organizes the Beer and Brezn festival together with the StV for the faculty.

Punch Stand: The ÖH TNF punch stand has meanwhile become a fixed winter feature. Usually it takes place on Tuesday in the 2nd week of December. At the library square we spoil you with delicious punch and mulled wine. As it is appropriate for a punch stand, there are delicious homemade biscuits and raclette breads. As a small special we also offer homemade egg liqueur.

JKU GAMES: The ÖH TNF organises the JKU GAMES every semester. Divided into LAN and DICE, Pen&Paper, Puzzle, various group games and a LAN party are played with and against each other over the weekend. If you want to take part, find out more at lan.oeh.jku.at.

Dekathlon Since the summer semester 2017 we organize the ÖH TNF Dekathlon. In 10 challenges from the different fields of study of the TNF, 20 teams of 6 people each prove their sporting skills and technical understanding. Teamwork is required, because only those who excel in all tasks will hold the trophy in their hands at the end of the day. But don't be intimidated, everyone is a winner with us, because there are prizes for all teams.

StV-Grillereien: In the summer semester, your StV organises a barbecue similar to the opening celebrations in autumn, to which the students and teachers of the respective faculty

are invited.

ÖH TNF Summer Barbecue: Once a year there is the big traditional ÖH TNF summer barbecue. This takes place at the beginning of June in the university park. Highlights of this event are the organic piglets, meat from organic farming, live ice cream production on site with liquid nitrogen and much more. This event is the flagship of ÖH TNF and is well attended every year. Those who are not present are to blame themselves :-).

Long Night of Evaluation Once a semester, we host the *Long Night of Evaluation*. This should give you the opportunity to end the semester with other students and to evaluate the teachers of the courses you have attended. With the evaluation you offer the professors important feedback to improve the courses for the future.

I.3.8 Student Homes, Dormitories & Bars

Internationales Studierendenzentrum Julius Raab (Sommerhaus)

- Address:** Julius Raab Straße 10, 4040 Linz, www.studentenwerk.at/studenten/raab
- Bar:** available; Mensa open on weekdays
- Insider Info:** The dormitory has a fitness room and gyms, which can be used as part of the sports program of the University Sports Institute (USI). For more information see I.3.5.

Wist Haus

- Address:** Johann Wilhelm Kleinstraße 72, 4040 Linz, www.wist.uni-linz.ac.at
- Bar:** Wed. and Thu.
- Insider Info:** The home bar is located on the 13th floor of the home and offers weekly specials. In the summer semester the popular Wist Summer Festival takes place.

Evangelisches Studierendenheim (ESH)

- Address:** Julius Raab Straße 1-3, 4040 Linz, www.esh.jku.at
- Bar:** unfortunately closed :-)
- Insider Info:** There are also seminar rooms in the basement of the ESH.

Katholische Hochschulgemeinde (KHG)

- Address:** Mengerstraße 23, 4040 Linz, www.dioezese-linz.at/khg
- Bar:** not yet determined
- Insider Info:** In addition to the cellar bar in the basement, larger parties such as the autumn, spring and summer festivals take place every year in the KHG. There are also workshops, lectures, concerts etc. every week.

Johannes Kepler Heim

Address: Altenbergerstraße 74, 4040 Linz, jk-heim.at
Bar: unfortunately closed :-(
Insider Info: In the summer semester the Kepler Heim Sommerfest takes place.

Studierendenheim Akademikerhilfe (AHL)

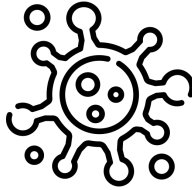
Address: Pulvermühlstraße 41, 4040 Linz, www.akademikerhilfe.at/de/linz
Bar: Mon, Wed, and Thu from 21:00
Insider Info: The home is located four tram stops from the university (St. Magdalena) and has a modern home bar with changing specials.

STUWO Student Housing (STUWO)

Address: Altenbergerstraße 9, 4040 Linz, www.stuwo.at/studentenheime/linz/
Bar: no bar
Insider Info: The home offers many student typical features, more on their website

MILESTONE Linz Brucknerstudios (Bruckner Studios)

Address: Peuerbachstraße 28, 4040 Linz, www.milestone.net/locations/?city=linz
Bar: no bar
Insider Info: The home offers many student typical features, more on their website



© Freepik

1.3.9 Study process during the Corona pandemic

As the Corona pandemic will unfortunately still be with us this semester, we would like to draw your attention to the following points in addition to the national guidelines:

- We are still here for you! Contact us via email, social media, Discord, etc. or drop by the weekly office hours cafés that we hold via video conference. In the following section you will find the addresses of your student representatives.
- Please read your emails regularly! For JKU, your teachers and also for us, e-mails are still the fastest way to get in touch with all students.
- Be prepared for spontaneous campus closures! If circumstances require it, teaching can be switched to online mode overnight (e.g. via Moodle & Zoom). Don't be too surprised if this happens and also give your teachers a little time until they send you updated information by e-mail. If there are any major lapses in individual lectures, please contact us.
- You can also find up-to-date information at <https://www.jku.at/en/coronavirus-safety-protocols-and-protective-measures-at-the-jku/>

II Details on Chemistry and Biochemistry

II.1 The Student Representation

The representations of student groups (Studienvertretung (StV)) Chemistry is a union of students in different study programs in the field of chemistry at the JKU. Tasks of the StV are consulting activities, participation in different commissions at our university and organizing events for all the chemistry students.

You can reach our StV via email: chemie@oeh.jku.at or chemistry@oeh.jku.at
Your StV is also active on Discord, Facebook and Instagram. Our Chemistry Café is once a week in the TNF Kammerl. For more information follow the link:
www.oeh.jku.at/abschnitte/chemie.

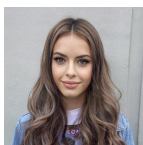
Mandatory



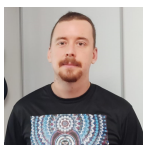
Anna-Malin Draxler
Chairperson
anna-malin.draxler@oeh.jku.at



Andrea Arnold
1st Deputy
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Juliane Radauer
2nd Deputy
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Christina Ackerlauer
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II.2 Start in your Study Program

II.2.1 Your first Semester in the Bachelor for Chemistry and Chemical Technology

In 2019 the study program Technische Chemie was changed to Chemistry and Chemical Technology. All courses are now held in english. For your first winter semester following courses are recommended:

VL Introduction to General Chemistry

KV Chemical Calculations

VL Inorganic Chemistry I

VL Introduction to Analytical Chemistry

VL Introduction to Organic Chemistry

VL Mathematics for Chemistry I

KV Applications of Mathematics in Chemistry with Exercises I

KV Introduction to Physics for Chemistry

KV Chemical Laboratory Safety

KV Introduction into Gender Studies in Science and Engineering

PR Introductory Lab Course

For the lab course you will need a positive grade in KV Chemical Laboratory Safety which can be done in your first semester. If you pass this exam you can register for this course during the semester.

II.2.2 Your first Semester in the Bachelor for Biological Chemistry

The study program Biological Chemistry is a cooperation of the JKU and the University of South Bohemia (USB) in Budweis, Czech Republic. You will be in your first and third student year here at the JKU and the second student year at the USB in Budweis. All courses are held in english.

For your first winter semester following courses are recommended:

VL Introduction to General Chemistry

KV Chemical Calculations

VL Inorganic Chemistry I

VL Introduction to Analytical Chemistry

VL Introduction to Organic Chemistry

KV Introduction to Mathematics

VL Mathematics for Biological Chemistry I

UE Application of Mathematics for Biological Chemistry I

KV Physics 1 for Biological Chemistry

KV Chemical Laboratory Safety

KV Introduction into Gender Studies in Science and Engineering

PR Introductory Lab Course

For the lab course you will need a positive grade in KV Chemical Laboratory Safety which can be done in your first semester. If you pass this exam you can register for this course during the semester.

II.2.3 Introductory and Orientation Period (StEOP)

The Introductory and Orientation Period (StEOP), is to be designed in such a way that it provides the student with an overview of the essential contents of the respective study programme and its further course. It takes place in the first semester of the degree program and consists of several courses. The StEOP has to be absolved and passed in order to be able to participate in any further courses necessary for your studies. You will need 8 ECTS in the StEOP courses to complete the StEOP positive.

StEOP courses for Chemistry and Chemical Technology: According to the Curriculum Bachelorstudies Chemistry and Chemical Technology 2021W following courses are included in the StEOP:

VL Introduction to General Chemistry (3 ECTS)

VL Introduction to Analytical Chemistry (3 ECTS)

VL Introduction to Organic Chemistry (3 ECTS)

KV Chemical Calculations (3 ECTS)

KV Chemical Laboratory Safety (1 ECTS)

VL Inorganic Chemistry I (4,5 ECTS)

VL Inorganic Chemistry II (4,5 ECTS)

VL Analytical Chemistry (4,5 ECTS)

VL Organic Chemistry 1 (4,5 ECTS)

KV Chemical Thermodynamics (1,5 ECTS)

Additional Courses, which can be done without complete StEOP:

PR Introductory Lab Course (2 ECTS)

KV Introduction into Gender Studies in Science and Engineering (3 ECTS)

PR Lab Course in General Chemistry (2 ECTS)

PR Lab Course in Analytical Chemistry (5 ECTS)

VL Physics for Chemistry (3 ECTS)

UE Exercises in Physics for Chemistry (1,5 ECTS)

VL Mathematics for Chemistry I (3 ECTS)

KV Applications of Mathematics in Chemistry with Exercises I (4,5 ECTS)

VL Mathematics for Chemistry II (3 ECTS)

UE Applications of Mathematics for Chemistry II (3 ECTS)

StEOP course for Biological Chemistry: According to the Curriculum Bachelorstudies Biological Chemistry 2021W following courses are included in the StEOP:

VL Introduction to General Chemistry (3 ECTS)

VL Introduction to Analytical Chemistry (3 ECTS)

VL Introduction to Organic Chemistry (3 ECTS)

VL Introduction to Genetics (1,5 ECTS)

KV Chemical Laboratory Safety (1 ECTS)

VL Inorganic Chemistry I (4,5 ECTS)

VL Analytical Chemistry (4,5 ECTS)

VL Organic Chemistry for Biological Chemistry I (4,5 ECTS)

KV Chemical Thermodynamics (1,5 ECTS)

Additional Courses, which can be done without complete StEOP:

PR Introductory Lab Course (2 ECTS)

KV Chemical Calculations (3 ECTS)

KV Introduction to Mathematics (1,5 ECTS)

KV Introduction into Gender Studies in Science and Engineering (3 ECTS)

PR Lab Course in General Chemistry (2 ECTS)

PR Lab Course in Analytical Chemistry (5 ECTS)

KV Physics 1 for Biological Chemistry (1,5 ECTS)

UE Exercises in Physics for Biological Chemistry (1,5 ECTS)

VL Physics II for Biological Chemistry (3 ECTS)

VL Mathematics for Biological Chemistry I (3 ECTS)

UE Application of Mathematics for Biological Chemistry I (3 ECTS)

VL Mathematics for Biological Chemistry II (3 ECTS)

UE Applications of Mathematics for Biological Chemistry II (3 ECTS)

Course difference between winter and summer semester: Most of the courses are only held once a year.

Attention: if you complete 8 ECTS of StEOP you will automatically complete the StEOP when the grade is submitted to the KUSSS

II.2.4 Frequently Asked Question (FAQ)

How do I register for the Biological Chemistry Study Program? This study program is a cooperation of the JKU and the University of South Bohemia (USB). Therefore you have to register at both universities. You can find the formula for this here (www.jku.at/orc) under "Education". To complete your registration for this study program each year in September is an excursion held to the USB. More information can be found at facility home page of the Organische Chemie.

Why am I not able to register for the PR Introductory Lab Course? Do not get confused, this is normal. Because you need a positive mark in the course KV Chemical Laboratory Safety. This course can be completed in October/November. When you pass this course you can register in the KUSSS for this lab. You can register for this course during your semester you do not have to register beforehand. Choose the right course for your study program either Chemistry and Chemical Technology or Biological Chemistry. **!ATTENTION!** the course PR Introductory Lab Course is a requirement for **all** Lab courses during your study phase. This course is only held during the winter semester!

What course should I do for free lectures? You can choose any course offered at an Austrian or international university. Choose something you are interested in and is not included in your study program. Do you want to learn a new language or how to code, this is the time for that. You can get insight in other fields like physics, law or economics. It is also possible to get ECTS for non-university work like emergency medical technician training. You can always ask the ÖH or the PAS. You will need 9 ECTS of free lectures.

The maximum number of participants is reached of a course. What can I do? If the maximum number of participants is reached and you cannot register for this course you should first contact the professor/lector about this problem. The professor/lector should be able to change the number of possible participants.

How can I prepare for a good start in my study program? In the first lecture of each course the professor will give you a book recommendation which should assist you during your study program. Before buying a book it is always recommended, that you check if it is available at the library. This can save you some money.

II.3 Services offered by StV Chemistry

COVID-19 Info DUE TO COVID-19 AND THE REGULATIONS THERE IS THE POSSIBILITY THAT NOT ALL THE EVENTS CAN TAKE PLACE.
BELOW THERE IS A LIST OF EVENTS, WHICH CAN TAKE PLACE. MORE SPECIFIC INFORMATION WILL BE SEND OUT VIA E-MAIL CORRESPONDING TO EACH EVENT.

Meet & Greet On the 12.10.2022 in the HS 16 at 18 o'clock will the event be held. Here you get the chance to meet members of the different facilities. You will be introduced to

them via a short presentation about every facility and afterwards we have time to drink and eat a little bit to get to know each other.

Café Once a week the Chemistry Café is held in TNF Kammerl. You get free coffee and cake. As a bonus you can talk with your StV and take a little break from the stressful studying of everyday life. If you have a question or problem this is the right time and place for it to be discussed.

Kükenfest This event is a must for all newcomers. Here you get a chance to meet the professor and students in the higher semester. As a bonus there will be free food and drinking all night long.

Chemistry BBQ Every year before the summer break we will make a big BBQ for every chemist. Free food and drink!

Bachelor Information Evening This event gives you the opportunity to learn about the different possible topics for your bachelor thesis and you get the opportunity to take to members of different institutes.

Discord If you want to connect to other students digitally and get updates of new events, join our discord server at <https://discord.gg/jXBazdmq4P>.

II.4 Study Committee and Credits

II.4.1 Study Committee (StuKo)

In the study committee the study program courses and credits are set and reworked. This committee is assembled of three members of "Professorenkurie", "Mittelbaukurie" and the students. Your StV chooses the students who represent the students at this committee.

II.4.2 Credits

If you want to have an exam (from the Matura, etc.) credited for a course, you will need confirmation that your desired credit is possible. Information about this can be obtained from: Information for Chemistry and Chemical Technology:

Univ.-Prof. Dr. Oliver Brüggemann

Institut für Chemie der Polymere

Tel.: +43 732 2468 9080

oliver.brueggemann@jku.at

Informationen zum Bachelorstudium Biological Chemistry bekommst du bei:

Univ.-Prof. Dr. Mario Waser

Institute of Organic Chemistry

Tel.: +43 732 2468 5411

mario.waser@jku.at

II.5 Career prospects

What exactly can I do after I graduate? What are my career prospects and opportunities?

The many disciplines that make up chemistry give you an idea of the wide range of professions and what a wide range of professions one can enter through this field of study. The diversity, the variety of job opportunities, so a kind of pre-selection begins in chemistry, a kind of pre-selection in the chemistry sector already begins with the choice of the study. At the JKU Linz, chemistry is divided into the following bachelor's degree programs: Biological Chemistry, Industrial Chemistry.

Upper Austria and the world:

The Linz area in particular is home to a large number of successful and internationally recognized companies which are constantly on the lookout for aspiring young chemists. The companies offer a large number of different divisions. Alone in the Chemiepark Linz alone, there are about 50 companies covering a wide range of chemical disciplines. Companies that are active in the field of basic chemical production or raw material production, such as the plastics manufacturer Borealis, or Patheon, which is a leading provider for pharmaceutical development and production services, or ESIM, which is a leading leading producer of high quality agrochemicals, crop protection chemicals, intermediates and maleic anhydride and downstream products. Other companies in Upper Austria are Tiger Coatings, which specializes in paints and coatings, Lenzing AG, which is wide ranged dealing with the fiber industry up to plastics, or Evonik Industries AG, which is in the business of Industrial Chemicals, Inorganic Materials for Particle Design, Surface Chemistry as well as Process Technology or Performance Polymers for Monomers, polymers, semi-finished products, specialty polyamides and other high-performance plastics. These are just a few examples. Options also include OMV, which produce not just gasoline and diesel fuels, but also, AdBlue, bitumen, oils and greases, natural gas and heating oil, as well as various specialty products, Wacker Chemie AG, which is an expert in silicone and polymer chemistry, specialty and fine chemicals.

Chemistry where you would not expect it:

Representatives include companies such as the steel manufacturer VOEST, Miba, which is one of the strategic partners of the international engine and automotive industry, or companies in the food industry such as Spitz offer interesting and varied jobs for chemists. Most of the companies offer students the opportunity to get to know the world of work through a holiday internship and thus gain an insight into what opportunities are open to them after graduation.

„Because chemistry is what you make of it!“

Feedback?

Is there anything in this guide you've been missing? Suggestions for improvement? Suggestions for changes? Just write to us at tnf@oeh.jku.at.

Notes

Notes

Notes

