TUM offers opportunities for international EXCHANGE STUDENTS (maximum of three semesters within the scope of an exchange program, like Erasmus+, TUMexchange or within a bilateral university agreement) as well as for international DEGREE STUDENTS (pursuing a BSc or MSc degree).

**Application for EXCHANGE Students**

Winter Term (or for the entire year at TUM) 15 May
Summer Term 31 October

For detailed information about the application process, please visit the International Center pages “Coming to TUM” [https://www.international.tum.de/en/exchangestudents/](https://www.international.tum.de/en/exchangestudents/)

**How to identify Courses Suitable for Your EXCHANGE Program**

You can search our online course database TUMonline for courses held in English. You can, of course, also choose from the entire German study guide. The curriculum is updated during February/March for the summer and August/September for the winter term. More information on the exact time and location of lectures/courses is finally available in TUMonline. Please note that some courses (especially practical courses and laboratory courses) have a limited number of places, and for those the degree students of the faculty have priority. 50% of credits have to be earned by attending courses offered by the TUM School of Life Sciences Weihenstephan, another 50% can be chosen from other TUM Schools (e.g. Chemistry, Physics, etc.).


**Application for DEGREE Programs**

Bachelor 15 March – 15 July
Master 01 April – 31 May for Winter Term
01 November – 15 January for Summer Term
Application Procedure for DEGREE Programs

If you are applying with an international higher education entrance qualification, be sure to observe these additional steps before starting your online application:

- Check your higher education entrance qualification
- Provide proof of your language skills within the application period
- Apply for your preliminary documentation via uni-assist within the application period
- Learn about the specific requirements for applicants from certain countries
- Be aware of possible visa requirements


Time Table

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<tr>
<th>Winter Term 2019/20</th>
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<tbody>
<tr>
<td>Semester Duration</td>
<td>01.10.2019 – 31.03.2020</td>
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<tr>
<td>Lecture Period</td>
<td>14.10.2019 – 07.02.2020</td>
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<tr>
<td>Exam Period</td>
<td>03.02.2020 – 14.03.2020 and 23.03.2020 – 18.04.2020 *</td>
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<table>
<thead>
<tr>
<th>Summer Term 2020</th>
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<tr>
<td>Semester Duration</td>
<td>01.04.2020 – 30.09.2020</td>
<td></td>
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<tr>
<td>Lecture Period</td>
<td>20.04.2020 – 24.07.2020</td>
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Accommodation

Admission at the TUM School of Life Sciences does not include an offer for a room in a student dormitory. Finding accommodation in the Munich area isn’t easy. The student union STUDENTENWERK does offer rooms and apartments for DEGREE students but the high demand for such rooms produces waiting times between one and four semesters. Degree Students can apply starting 15 May for the winter term and 15 November for the summer term.

For students participating in an EXCHANGE program (e.g. Erasmus+, TUMexchange) or a bilateral university agreement it is NOT possible to take part in the online registration at Studentenwerk. However, for students participating in an international exchange program in Freising-Weihenstephan, we have a limited number of rooms available, being part of a service package (“Servicepaket”), which are allocated to applicants by means of a raffle.

How to get to Weihenstephan Campus

from Munich Airport: There is a direct bus #635 which runs every 20 minutes throughout the day between the airport and Freising main station.

from Munich Central Station: It takes approximately 40 minutes by S-Bahn (suburban train) from Munich station to Freising station using line “S1” - Munich Transport and Tariff Association (MVV)

It takes approximately 25 minutes by local train from Munich central station to Freising station (bound for Regensburg, Passau, Prague) - Deutsche Bahn.

Orientation Program

TUM International (or TUMi for short) provides support for new international students at the beginning of their studies in Munich and offers a comprehensive program of cultural activities throughout the semester. Orientation weeks take place at the beginning of each semester at the TUM headquarter in Munich, https://www.international.tum.de/en/coming-to-tum/tumi/

The TUM School of Life Sciences also offers a Welcome Day for International Students at our campus in Freising-Weihenstephan including support for registration with local authorities, information and guidance about studying and living in Freising and a get-together designed to help settle into life at WZW (short for Wissenschaftszentrum Weihenstephan – the TUM School of Life Sciences).
Key Data of Study Programs

**Life Sciences Biology**  
**Bachelor of Science (B.Sc.)**

The program covers a broad spectrum of fundamentals relating to the natural sciences, as well as all key subdisciplines in biology, in particular genetics, microbiology, ecology, plant sciences, zoology / animal science, and cross-disciplinary life sciences, such as biochemistry or bioinformatics.

Interdisciplinary and comparative lectures (human and animal physiology, plant physiology, ecology) broaden students’ knowledge and round out the program. Modern disciplines in biology, such as cell biology, bioinformatics, or biochemistry (lecture and internship) are the subject of required modules. Overarching themes such as evolution, genomics, or developmental genetics are covered in wide-ranging required modules during advanced semesters. Questions concerning social relevance and how to handle scientific findings are discussed extensively among groups of students together with university educators. Students are to complete a general education subject. In the 5th and 6th semesters, students can, in accordance to their own interests, select modules from a very extensive list and from at least 3 to 5 possible biological areas (genetics, microbiology, ecology, plant sciences, zoology / animal sciences, and cross-disciplinary life sciences – these modules account for around 20% of the entire program). In particular, students have the opportunity to complete advanced internships and research internships working within groups of scientists, or to participate in the excursions on offer. After six semesters, the program concludes with a research-oriented thesis completed over a three month period.

**Language of Instruction:** German  
**Standard Duration of Studies:** 6 semesters fulltime  
**Credits:** 180 ECTS

**Academic Counseling:** Dr. Michael Scharmann  
Phone: +49 8161 71 3804  
Email: michael.scharmann@tum.de

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**Molecular Biotechnology**  
**Bachelor of Science (B.Sc.)**

The bachelor’s program in Molecular Biotechnology is devoted to the production and construction of natural as well as artificial biomolecules. In addition, it combines the basics of natural science with content from biology, biochemistry, and biotechnology.

New biotechnologies increasingly enable these molecules, which have important functions, to be artificially synthesized. Genetic engineering and further procedures also enable new biomolecules with improved or entirely new functions to be developed and produced. All of which plays an increasingly important role in medicine and also in technical areas such as environmental analysis or in biochips. Against this background, the degree course combines the methods of genetic engineering, protein chemistry, and biophysics with bioinformatics, in a single interdisciplinary approach.

**Language of Instruction:** German  
**Standard Duration of Studies:** 6 semesters fulltime  
**Credits:** 180 ECTS

**Academic Counseling:** Dr. Astrid Bauer  
Phone: +49 8161 71 3492  
Email: a.bauer@tum.de

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**Biology**  
**Master of Science (M.Sc.)**

Specialization in at least three of seven possible focus areas (biochemistry and cell biology, genetics, medical biology, microbiology, ecology, plant sciences, zoology/animal sciences), with the option to develop a focus area into a primary focus.
Around 200 modules in the life sciences and 65 professors enable students to tailor their studies to their own interests. As regards content, the modules offered correlate to one of seven focus areas: biochemistry and cell biology, genetics, medical biology, microbiology, ecology, plant sciences, zoology/animal sciences. Lectures, seminars, exercise modules, internships and excursions for students in advanced semesters build upon the qualifications obtained in previous studies (in a primarily life sciences-oriented degree program). These courses are largely research-oriented. Emphasis is placed on hands-on experience in small and very small groups, particularly as regards research internships within groups of scientists, where there is 1:1 supervision and the opportunity to make use of tools currently utilized in research. The program offers modules in zoology/animal sciences, such as animal neurophysiology, or biotechnology; modules in plant sciences, such as plant physiology, developmental genetics, stress resistance, molecular plant breeding and biodiversity; aquatic and terrestrial ecology, such as research diving or restoration ecology; microbiology modules concerning, for example, extremophile microorganisms, food biotechnology, or ecological microbiology; medical biology modules concerning inter alia virology, immunology, oncology or, in the area of biochemistry and cell biology, modules, such as protein design, molecular biotechnology and cell culture technology. The program concludes after 4 semesters (standard duration of study) with a research-oriented thesis completed over a six month period.

Language of Instruction: German
Standard Duration of Studies: 4 semesters fulltime
Credits: 120 ECTS

Academic Counseling: Dr. Michael Scharmann
Phone: +49 8161 71 3804
Email: michael.scharmann@tum.de

Molecular Biotechnology
Master of Science (M.Sc.)

The master’s program in Molecular Biotechnology is devoted to the production and construction of natural as well as artificial biomolecules. The program expands upon student’s existing knowledge so as to advance their abilities concerning the discipline and its methods. New biotechnologies increasingly enable these molecules, which have important functions, to be artificially synthesized. Genetic engineering and further procedures also enable new biomolecules with improved or entirely new functions to be developed and produced. All of which plays an increasingly important role in medicine and also in technical areas such as environmental analysis or biochips. Against this background, the degree course combines the methods of genetic engineering, protein chemistry, and biophysics with bioinformatics, in one interdisciplinary approach.

In addition, the master’s program in Molecular Biotechnology expands upon students’ previous knowledge by offering five specialties: biomolecules, cells, organisms, medicine, and technology.

Language of Instruction: German
Standard Duration of Studies: 4 semesters fulltime
Credits: 120 ECTS

Academic Counseling: Dr. Astrid Bauer
Phone: +49 8161 71 3492
Email: a.bauer@tum.de