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## NUTRITION AND BIOMEDICINE

### About this program

Our Master in Nutrition and Biomedicine is a full-time graduate level program that focuses on the interfaces between human biology, nutritional science and medicine. It prepares graduates to meet high standards of professional excellence in academic research as well as the global food and pharmaceutical industries. The curriculum is based on a transdisciplinary approach to current topics in modern nutrition and biomedicine. Its key features are the genesis, prevention and treatment of nutrition-related complex diseases such as obesity, type 2 diabetes, atherosclerosis, gastrointestinal diseases, and cancer. Students will gain understanding of chemical and microbial food components and their impact on the human organism. They will acquire a broad spectrum of modern laboratory techniques applied in experimental and clinical research in nutrition and biomedical sciences.

### Quick facts

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Study program	Nutrition and Biomedicine
Degree	Master of Science (M.Sc.)
Faculty	Study Program Division of Nutrition
Location	TUM School of Life Sciences Weihenstephan
Language of instruction	English
Accreditation	System-accredited since 2014
Start of program	Winter term (starting October)
Course duration	4 semesters / 2 years
Study mode	Full time on campus
Fees	<a href="http://www.tum.de/en/studies/fees-and-financial-aid/">www.tum.de/en/studies/fees-and-financial-aid/</a> *
Credit points	120 ECTS
Application period	1 January - 31 May
Contact	nutritionsciences@tum.de

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\*All fees at the TUM are subject to change.

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## Career opportunities

Graduates can explore a wide variety of career fields ranging from basic research in biochemistry to applied experimental research and product development in the pharmaceutical industry. They are in demand as public health and food safety specialists and may be found working in clinical research organizations. Career opportunities equally include the food industry and its related sectors where the graduates may work in product development or quality management positions. Many of them also seek an academic career involving teaching and research at universities or at public or private research institutes.

## Admission requirements

Admission decisions are based on an overall assessment of the applicant's academic performance and/or professional experience as well as on the statement of his/her motivation. A detailed description of the selection process can be found on page 11 to 15 of the Examination and Academic Regulations.

## Academic background

To be considered for admission, applicants must have completed a three-year bachelor's degree in a natural science or a recognized equivalent from an accredited institution. The Master in Nutrition and Biomedicine is designed to attract students at a multidisciplinary level. We welcome graduates in nutrition and also encourage students from other natural sciences and related disciplines who share an interest in nutritional and biomedical issues. However, a thorough understanding of biology, human physiology, chemistry, physics, mathematics and standard laboratory techniques is vital for successful graduate studies at the Study Program Division of Nutrition. Applicants are advised to review the course prerequisites in our module descriptions to decide whether their academic and/or professional careers have sufficiently prepared them for the program. At the beginning of each intake, a compulsory two-week bridging course will assist students in updating their skills in nutrition and foods.

## Language requirements

Applicants whose native language is not English are required to provide proof of English language ability that corresponds to Level C1 of the Common European Frame of Reference for Languages (CEFR). TUM recognizes the following language certificates:

- a minimum English grade of 10 (Gut) in the German Abitur or Fachabitur (grades of the school terms 11/1 + 11/2 + 12/1 + 12/2 : 4 or, if English counts as an Abitur subject, grades of the school terms 11/1 + 11/2 + 12/1 + 12/2 + Abitur grade : 5)
- Test of English as a Foreign Language (TOEFL)
- International English Language Testing System (IELTS), Academic format
- Cambridge Advanced English (CAE) / Cambridge Proficiency English (CPE)

Skill levels are based on the following scores:

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<b>Certificate</b>	<b>Minimum requirement</b>
Abitur / Fachabitur	10 pts. / Gut
TOEFL Internet based Test (IbT)	88 pts.
TOEFL Computer based Test (CbT)	234 pts.
TOEFL Paper based Test (PbT)	605 pts.
IELTS Test (Academic)	6.5 pts.
Cambridge Advanced English (CAE)	Grade A, B or C
Cambridge Proficiency English (CPE)	Grade A, B or C

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Please note that a certified hardcopy of the language certificate has to be handed in to the TUM registration office by 31 May.

Applicants who hold a Bachelor's degree from an institution where the sole language of instruction is English are exempt from the language proficiency requirement.

### **How to apply**

Please apply via the TUMonline portal. The application period for the winter semester starts on 1 January. Applications may be submitted at any time before the closing date at midnight on 31 May. Due to the time required to process an international application and the time you need to make your visa arrangements, we encourage international applicants to submit their applications well in advance of the deadline. More information on the application process and the required application documents can be found at [www.nutritionsciences.de](http://www.nutritionsciences.de).

### **Contact**

For more information or assistance please contact:

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Consultation times:  
Wednesday, 14.00 – 15.00 h  
room no. 0.38