Ask Us! Dr. Maria Eckholt (International Affairs), Dr. Martin Sass (Master’s programs) and Dr. Karl Dressler (Bachelor’s program) would be delighted to speak with you further about researching or studying at the TUM Physics Department.

study@ph.tum.de

Dynamic & Collaborative Community

Our community is international, inquisitive and engaging, with an open dialog between students, researchers and professors – as well as a career mentoring program bringing students and alumni together.

TUM has all kinds of extracurricular activities and events, from summer music festivals to sporting events to international clubs – you will find people you connect with!

Munich is buzzing with the energy of top science and technology institutes and companies, drawing talent from across the globe. You can find restaurants for any taste, entertainment for any interest, Olympic-class sporting facilities and natural beauty – thanks to the nearby Alps and lakes – that everyone can enjoy. Munich is also compact, so you can get around without a car!

Life at TUM: www.tum.de/en/university-life

Elite & Affordable

Degree programs have no tuition fees, and the small student fee (under 200€ per semester) gives you access to regional transportation and more. Summer program fees vary. As a student, you can apply for student jobs, partial grants through TUM, and DAAD cost-of-living scholarships.

Entrepreneurship at TUM and UnternehmerTUM, Center for Innovation and Business Creation

NO. 1 German university in entrepreneurial support

700+ spin-offs/start-ups (since 1990)

14,000 jobs created by start-ups (since 1990)

1.500 m² space where students gather, discuss ideas and create prototypes (Makerspace)

From the smallest to the biggest

Study and Research Opportunities

Explore our department and what it offers.

Learn more and apply: www.ph.tum.de

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Photo credit: Astrid Eckert, Andreas Heidberg, Thorsten Naesser, Wenzel Schürmann

"In addition to the success in my scientific projects, I fondly remember the great German friends who brought me a life full of fun and happiness. Along with this, Munich is an internationalized city that provides you with all the aspects of a lively life.”

Ali Aghebat Rafat from Iran, Master’s in Applied and Engineering Physics (2014), now a doctoral candidate at the Center for Nanotechnology and Nanomaterials (ZNN)
Why Physics at TUM?

Unlimited Research Opportunities
We cover all the fields of modern physics.

Successful Career Path
Our students and researchers have the strong analytical skills and experience necessary for research in academia or industry – and are highly employable. Examples of positions our alumni hold:

- Cell Technology Specialist, BMW, Doctorate in Physics (2009)
- Project Manager for R&D, Infineon Technologies, PhD in Physics (2010)
- Assistant Professor (since 2015), University of Waterloo, Master’s in Engineering Physics (2004)
- Founder and Chief Executive Officer, Demoskopia, Master’s in Biophysics (2013)

Expansive Network
Internationally accomplished scientists gather in our department and associated neighboring institutions – 25+ on Campus Garching alone. Our large number of international partners multiply your possibilities. We have 1,300 physics students, 20% international, and 400 doctoral candidates.

“...As a physicist, you can be widely deployed in industry. Because of your strong analytical skills and persistency, you are great at solving complex problems. I am still very proud of having studied at the TUM Physics Department. Also, from an employer’s perspective, I can strongly recommend it.”

Dr. Thomas Goldbrunner from Germany, Diploma and Doctorate in Physics (1997), now Product Strategy at BMW Group

World-Class Facilities
Campus Garching is one of the biggest science and technology research campuses in Europe, and the largest number of its institutions are dedicated to physics. Whether it is a unique neutron source or an upcoming center for advanced laser applications or a new center of protein science, you will find everything you need to pursue your interests.

"Highly qualified professors and modern and well-equipped infrastructures – it has been a great experience."
Silvia Spiga from Italy, former exchange student from University of Cagliari, now a doctoral candidate at Walter Schottky Institute (WSI)

Broaden Your Horizons

STUDY
Master’s Programs
- Master’s in Applied and Engineering Physics
- Master’s in Biophysics
- Master’s in Condensed Matter Physics
- Master’s in Nuclear, Particle and Astrophysics

International double degree and joint study programs are possible in combination with our Master’s programs.

Bachelor’s Program
- Bachelor’s in Physics (fully German-taught)

Exchange Programs
As a student from one of our 135+ Erasmus and TUMexchange partner institutions, you can enjoy...

- 50+ English-taught courses from our Master’s programs in physics
- Multidisciplinary study options through our neighboring departments
- Paid research assistantships (as available)
- Free German language courses
- Peers from top institutions around the world
- Vast range of German-taught courses

Direct Track Option – A Gateway to Doctoral Research
Excellent students can apply for a combined Master’s and Doctoral degree. Streamline your application and earn your doctorate earlier: www.ph.tum.de/direct

Short-Term Opportunities
See if we are a good fit by writing your final Master’s thesis with us, choosing from our focused summer school options or contacting one of our research groups directly about doing an internship.

Our programs:
www.ph.tum.de/academics

RESEARCH
Doctoral & Postdoctoral
Our department has 400+ ongoing doctoral projects in research groups all over campus. The standard lab language is English. We are well funded and support high-risk research.

Find the right fit for your research, whether through an exchange semester during your Master’s thesis, collaboration during your doctoral work or a fully funded Research Opportunities Week after completion of your doctorate.

www.ph.tum.de/academics

Our research:
www.ph.tum.de/research
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Physics Department