



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



MSc Astrophysics

Ludwig-Maximilians-Universität München • München

Overview

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| Degree | Master of Science in Astrophysics |
| Teaching language | <ul style="list-style-type: none">English |
| Languages | English |
| Programme duration | 4 semesters |
| Beginning | Winter and summer semester |
| Application deadline | Applications must be submitted by 15 July for the upcoming winter semester and by 15 January for the upcoming summer semester. |
| Tuition fees per semester in EUR | None |
| Combined Master's degree / PhD programme | No |
| Joint degree / double degree programme | No |
| Description/content | <p>This Astrophysics Master's programme provides an in-depth overview of the various topics of astrophysics, from smallest to largest scales, and on the interrelations between them. Based on fundamental knowledge, the programme imparts specialised knowledge oriented towards current research questions. To this end, research methods, strategic planning of the approach, critical evaluation of scientific findings, independently responsible action as well as professionally relevant key qualifications are of central importance. The ability to think astrophysically and to proceed physically methodically in theory and practice is trained during the studies. This training results from an interplay between lectures, exercises, lab work, seminars, colloquia, tutorials, and excursions. The programme's curriculum enables a focus on both observational/instrumental and theoretical/computational aspects.</p> <p>Ludwig-Maximilians-Universität München (LMU) is a worldwide highly ranked university, one of the leading universities in Germany, and part of the German Universities Excellence Initiative. It looks back on a history of over 550 years. Several Nobel laureates, Leibniz prize winners, ERC grand holders and Humboldt professorships have been affiliated with LMU Faculty of Physics. Students of the Astrophysics Master's programme get the possibility to learn and work closely with worldwide recognised researchers with a strong international network and do state-of-the-art research.</p> <p>LMU forms an integral part of the exceptionally broad-based network of research institutions, universities, foundations, and corporations based in Munich. The city's other research institutions, including the Technische Universität München, the Max Planck Society and the Fraunhofer Society, as well as global enterprises and a vibrant start-up scene are closely intertwined with LMU, as are the Max-Planck Institutes and the European Southern Observatory (ESO) in Garching (close to</p> |

Munich) intertwined with the University Observatory.

All this builds the framework for an outstanding education and prepares the graduates of the Astrophysics Master's programme at LMU for an international career.

Course Details

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| Course organisation | The curriculum for the MSc Astrophysics covers four semesters. In the first and second semesters, students attend advanced courses in astrophysics and physics and choose a field of specialisation. In the third and fourth semesters – accompanied by colloquia, tutorials and seminars – the Master's thesis is written. |
| International elements | <ul style="list-style-type: none">• Integrated study abroad unit(s) |
| Integrated study abroad unit(s) | If desired, a part of the curriculum can be studied at one of LMU's numerous partner universities abroad. Further information on this can be found here . |
| Course-specific, integrated German language courses | No |
| Course-specific, integrated English language courses | No |

Costs / Funding

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| Tuition fees per semester in EUR | None |
| Semester contribution | 150 EUR per semester (Fee amount can change – please check here .) |
| Funding opportunities within the university | Yes |
| Description of the above-mentioned funding opportunities within the university | Funding opportunities can be found here . |

Requirements / Registration

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| Academic admission requirements | The application for the MSc Astrophysics requires a first professional university degree or an equivalent degree from Germany or abroad in one of the subject areas physics, astrophysics or in another mathematical-scientific subject area. Further information on the application process can be found here . |
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| Language requirements | No proof of English or German is needed. B2 level in English is recommended. |
| Application deadline | Applications must be submitted by 15 July for the upcoming winter semester and by 15 January for the upcoming summer semester. |
| Submit application to | <p>All applicants must apply to the Faculty of Physic / University Observatory to take part in the aptitude procedure.</p> <p>In addition, applicants without a German university entrance qualification must apply at the LMU International Office for admission to the university.</p> <p>Further information can be found here.</p> |

Services

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| Accommodation | A helpful website for searching accommodation is provided by the Munich Student Union . |
| Career advisory service | LMU students, doctoral candidates and graduates can make use of the LMU Career Network , which gives them the opportunity to get a head start on their careers. |

Contact

Ludwig-Maximilians-Universität München

Fakultät für Physik

Geschwister-Scholl-Platz 1
80539 München

✉ studium@physik.uni-muenchen.de

🌐 Course website: <https://www.physik.lmu.de/en/studies/study-programs/msc-astrophysics/index.html>

📘 <https://de-de.facebook.com/lmu.muenchen/>

📷 <https://www.instagram.com/physik.lmu/>

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DAAD - Deutscher Akademischer Austauschdienst e.V.
German Academic Exchange Service
Section K23 – Information on Studying in Germany
Kennedyallee 50
D-53175 Bonn
www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing
www.gate-germany.de

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