Application for MSC-PE

If you have a Bachelor degree in electrical or mechanical engineering, with a strong focus on power engineering and excellent grades you can apply for the Master's Program in Power Engineering.

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We also refer to the information under the following links

• TUM homepage: Power Engineering
• ED wiki: Starting your studies – M.Sc. PE
• ED wiki: “News” on the page Students – M.Sc. PE.

Dates & Deadlines

Start of application phase (opening of the application portal): 01.01.2022 postponed to 01 February 2022

Recommended deadline: 15 March 2022 (especially for non-EU students)

Extended deadline: 31 May 2022

Admission results are announced in September 2022

Further information about Dates & Deadlines you can find here.
Please note:
We strongly recommend non-EU students to apply until **15 March**. Missing documents (e.g. VPD) can be submitted until the extended deadline. The application deadline for all applicants (including non-EU students) at TUM is **31 May** for the next possible intake. Missing documents cannot be submitted after the deadline.

Most Important
- Please note that non-EU applicants need to have their documents processed by uni-assist.
- Please use our grade converter first.

General Requirements
To be eligible to apply for MSC-PE, you require a Bachelor degree or equivalent from a university that is rated H+ at An abin.

The committee that evaluates the applications examines the applicant’s expertise. Expertise in electrical and mechanical engineering, preferably in the field of energy technology, with excellent grades is particularly important. In principle, therefore, any applicant who can demonstrate this expertise is eligible, regardless of the designation of the Bachelor degree program in which this expertise was acquired.

With a previous study grade of 2.5 or worse according to the German grading system, the probability of admission is significantly lower.

Repetition: Candidates who have failed to prove their eligibility for the Master program in Power Engineering in a previous application process may re-apply once for the aptitude process.

Crediting of Previous Academic Studies
The check of the creditability of moduls from your previous studies for MSC-PE can only be done after full enrollment at TUM, i.e. at the beginning of the first semester of your MSC-PE study. A preliminary check or crediting during your application phase is not possible.

Procedure
Detailed information on the application process you will find under this link and its subpages: [https://www.tum.de/en/studies/application/master](https://www.tum.de/en/studies/application/master)

1. Prepare your application
2. You apply via TUMonline
3. We review your application (rejection or interview) (see "Assessment Process" below)
4. We notify you about your admission
5. You accept your spot and submit all documents for enrolment.
6. You pay the semester fee
7. We complete your enrolment
8. You pick up your student card

Assessment Process
The assessment process comprises two stages: In stage 1, the GPA, passed subjects, letter of motivation and two letters of reference are assessed. The highest possible score is 100. Applicants, who have received 95 points are admitted directly. Applicants, who have received 75 points are invited for an interview (stage 2) and screened further.

**The criteria for stage 1 are as follows:**
Note: The points mentioned below are used by the selection committee to describe your expertise in the particular area and do not equate to the number of courses you have taken or the number of credits you have earned.

- Overall grade in your Bachelor degree (max. 25 points)
- Subjects during your Bachelor degree that are relevant to MSC-PE (max. 30 points)
  - Mathematics (max. 12 points)
  - Electrical Engineering (Power Engineering) (max. 9 points):
    - e.g. circuit technology, electric fields and waves, solid-state physics and components, high-voltage engineering, power transmission technology, electrical machines
  - Mechanical Engineering (Power Engineering) (max. 9 points):
    - e.g. engineering mechanics, thermodynamics, fluid mechanics, heat and mass transfer, machine dynamics,
- A statement of purpose (max. 20 points)
- Two letters of reference (max. 25 points)

Applicants having passed the first stage (75 points and more) get an invitation for an interview.

The interview usually takes about 20 minutes and can be done in person at TUM, by Skype, or by phone. It is up to the applicant to decide.

**The criteria in the interview (stage 2) are:**

- Your qualification for MSPE (max. 30 points)
- Your outstanding motivation (max. 15 points)
- Your ability to communicate in the English language (max. 10 points)

For the final score, the mean value of your score in the interview and the score for your Bachelor education (overall grade and relevant subjects) is calculated. Hence, the highest possible final score is 55.

If your score is at least 40 you will get admission.

**Special Conditions for Certain Countries**

Applicants from certain countries/provinces must comply with special conditions. Please check this link to see if this is relevant for you.

**Required documents for applying (upload)**

**Note**

If you do not have all documents available yet (e.g. VPD), you can still prepare and submit the application via TUMonline and add the missing documents in TUMonline until the application deadline.

**Passport**

You have to upload a copy of your passport when you create your TUMonline account.

**VPD - Preliminary Record Examination issued by uni-assist for non-EU Applicants**

Applicants who have obtained their qualification for postgraduate studies (i.e. a bachelor's degree) in a country outside of the EU/EEA need to have their documents processed by uni-assist. Uni-assist generates a preliminary record examination (VPD), which determines whether applicants qualify for postgraduate studies in Germany.

You must submit a VPD that was issued specifically for your application to TUM. A VPD issued for an application at another German university will not be accepted for your application at TUM. If you wish to apply for more than one degree program at TUM, it is sufficient to apply for one TUM-specific VPD.
Your VPD will be accepted at TUM for an unlimited period of time as long as there have been no changes to your Master’s entrance qualification.

If the undergraduate program has not been completed at the time of application for MSC-PE, the VPD will be based on coursework received to that point.

Applicants with a qualification for postgraduate studies obtained in Switzerland do not need a preliminary evaluation.

To apply for this preliminary evaluation, please submit your documents to uni-assist e.V within the relevant application period. Please be sure to send your preliminary evaluation to TUM as soon as you receive it.

Verification of your documents with uni-assist does not qualify as an application for TUM.

You will need to apply to TUM via TUMonline before the relevant application deadline.

More information on uni-assist.

Please note: If you have questions about applying for a VPD, please contact uni-assist directly. We cannot provide this information as uni-assist is a separate institution from TUM.

Curriculum Vitae

Include an up-to-date (!) version of your CV in table form. Make sure, your education, projects, and professional experience are clearly stated. The length of the CV should not exceed two (maximum three!) pages.

Transcript of Records or Bachelor Degree (certified)

If you have already graduated please upload your Bachelor (or equivalent) degree. Otherwise, please submit your latest transcript of records. Your overall grade (CGPA) and the grading system should be clearly visible.

This document must be uploaded as an authenticated copy. See the main page of the application requirements for details.

If the original document was not issued in German or English, you have to upload an authenticated copy of the translated document (to German or English) as well. However, it is not sufficient to send the translation only.

Analysis of Curriculum

TUMonline is prompting you to provide a filled Excel form sheet (mandatory document) which is available for download on the wiki page Documents - MSC-PE. This form sheet is helping assessment boards processing transcript information based on a mainly uniform format and layout. Therefore, we ask all applicants to fill the Excel form sheet. Most of the prompted information is available in your transcript.

If you do not have all of the data requested, please provide us with as much information as possible about the design and extent (e.g. lecture hours per semester) of your courses. You can use the comment field to add these additional comments to the assessment tables.

If there is not enough space on the form to list all courses, please add additional courses on another form and fuse them to one document.

Based on the huge number of overall applications, we are not able to assist in filling this form sheet.

Applicants who already received an admission letter based on previous year MSC-PE application but who finally deferred (only those applicants!):
Instead of a “List of all Credits in Excel-Form Sheet”, applicants may upload the admission letter or a personal letter explaining their re-application status.
Statement of Purpose / Letter of Motivation

The statement of purpose (letter of motivation) is your cover letter of your application. The layout requirements are: one page, DIN A4 or letter format if available, 12pt, single spacing. A template is available for download on the wiki page Documents - MSC-PE. If you write more then one page you will get less points for your letter.

It must contain a declaration stating that you wrote it yourself without any auxiliary means other than the ones indicated and that everything you wrote is true to the best of your knowledge.

Tell us about your purpose why you are interested in Power Engineering at TUM. State why you think that you are qualified and why we should select you for the program. In addition you should also write about your projects, research internships etc.

The statement of purpose has to be written in English, even if you speak German.

Two Letters of Reference

You require two typed letters of reference by two lecturers (preferably university professors) who are acquainted with your work during your Bachelor studies. It should be a person who can address your academic skills. A pure supervisor from industry who has no connection to the academic world would not be suitable.

The template is available for download on the wiki page Documents - MSC-PE. All pages must bear your referee's signature and stamp (or some form of proof that the person signing is a representative of the institution).

Please do not ask your referees to send their letters of reference directly to us. We will not be able to assign them to your application. Letters of reference must be uploaded directly into TUMonline by the applicant.

Furthermore, it is not sufficient just to provide a contact to a person who agreed to write a recommendation letter. In the assessment process, we need a letter which has been uploaded by applicant in TUM Online application system.

If you upload more than two letters of reference the reviewers of your application will randomly pick two of them and discard the others. If you upload only one letter of reference you will receive 0 points for the missing letter during the assessment process.

Proof of Proficiency in the English Language

For information on proving English proficiency, please see the link below. Pay particular attention to the information "Verification of English Skills by Language of Instruction".


Proof of Proficiency in the German Language  Optional

During your studies you can acquire German language skills e.g. by attending lectures offered in German language or by taking a dedicated German language course at the TUM Language Center.

GRE (Graduate Record Examination) / GATE (Graduate Aptitude Test in Engineering) / AWA (Analytical Writing Assessment)  All Optional

Copy of GRE / GATE / AWA certificates.

Required Documents for enrolment (only for admitted students)

As soon as you accept your spot, you will be able to submit the required documents for enrollment. Enrollment is the step that makes you a student of TUM. To complete your enrollment, we need a signed printout of the application for enrollment and all documents for enrollment in the correct form.
Please note that the signed application for enrollment and all documents required as notarized hardcopies always have to be submitted by post. All documents not originally issued in German or English need to be translated. TUM does not assume any liability for unsolicited original certificates. Please note that all hardcopies are digitalized and destroyed after the end of the application period.

The application for enrollment as well as a list of the required documents will be displayed in your TUMonline account.

**Application Form (hard copy)**

Application form printed and signed

**Passport Photography (upload)**

The passport photography you can upload in your account

**Student Health Insurance (upload)**

All students (<30 years) in Germany are required to have health insurance. You have to present this proof of health insurance in order to enroll. Here you can see more information about the [mandatory student health insurance](#) in Germany.

You can upload this confirmation.

**Enrolment Confirmation of your Bachelor University (upload)**

This confirmation you can upload in your account.

**Bachelor Transcript (hard copy)**

This document has to be sent as an **certified copy**.

**Bachelor Degree and Diploma (hard copy)**

This document has to be sent as an **certified copy**. If you do not yet have the final diploma certificate, you must submit at least a preliminary but certified certificate of graduation to the Enrollment Office within 5 weeks after the start of lectures. You then have until the end of the semester to submit the final diploma certificate later.

Maybe you have to hand in further documents e.g. APS Certificate etc.. Please check the list in your TUMonline account.

**Deferment of the start of studies**

If you decide to postpone your study after sucessfull admission please inform studium@tum.de.

If admission to the Master's program in Power Engineering has been granted, it is valid for all subsequent applications for this program. According to the current status of the statutes, there is no time limit on the validity.

**Please note** that you will **not** be automatically readmitted for next year’s study programs. You must become active yourself and create a new application in the application portal again, taking into account the deadlines. To do this, please resubmit last year’s application documents with an updated CV. However, you do not have to go through the whole selection process again. The admission requirements are still fulfilled.

**Grade Converter**
This grade conversion tool, together with your degree program’s Academic and Examination Regulations (FPSO), is a tool to help you convert grades earned in countries other than Germany.

Please note that this tool is only intended to provide a first orientation and the results are in no way binding. Enter the maximum grade, the minimum grade, and your overall grade given in the system used at your university.

The result is your respective grade in the German system, where 1.0 is the best and 4.0 the minimum pass grade.

If the result is better than 2.1, you may have at least average chances of getting an invitation for an interview.

Please note: The result is non-binding and some universities use grading systems this simple converter cannot be used on such that it won’t produce the correct result. This converter can only give you a first estimation. Besides, your chances increase if you had many subjects in the field of power engineering and energy technology, whereas they decrease if you only had few subjects in these fields.

Schedule

After having received your complete application we will carefully evaluate it and decide whether we invite you for an interview. The following table shows the entire decision schedule assuming that we received your application by March 15:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended deadline</td>
<td>March 15, 2021</td>
</tr>
<tr>
<td>Application deadline</td>
<td></td>
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</tbody>
</table>
| We encourage you to apply as early as possible, as otherwise it is highly likely that you will not be able to
  obtain a visa in time, should you be admitted | May 31, 2021                      |
| Interview                                  | April-July 2021                   |
| Official admission letter of TUM           | available for download after notification of the result |
| Results announced                          | September 21                      |
| Admission results will be announced as soon as possible, typically a few days after the interview | |
| Beginn of winter semester                  | October 1, 2021                   |
| Beginn of the lecture period               | October 18, 2021                  |

TUM Asia Assistance Center

We recognise the difficulties that you may face during the application; hence TUM Asia Assistance Center could offer you as much assistance as possible: TUM Asia Assistance Center