

QTEM – Masters Network

Quantitative Techniques for Economics & Management

QTEM is an elite network of currently 23 top schools of Economics and Management and 15 business partners worldwide.

The QTEM Masters Network educates decision-makers recognized as:

- Highly skilled in **analytical and quantitative techniques**
- Experienced in addressing concrete **business and policy challenges**
- Comfortable in **international** settings

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|---------------------------------------|--|
| Target group: | Students of Master's in Management & Technology (MMT) with an interest in quantitative techniques ("Finance & Accounting" OR "Economics & Policy" OR "Operations & Technology") |
| Number of places: | 15 |
| Length of stay abroad: | 1 exchange semester abroad at one of the QTEM Partner Universities |
| Other mandatory program parts: | internship of at least 6 weeks (240 working hours) (recommended to be done abroad) Global Business Analytics Challenge (GBAC) (2 online courses and group work with global fellow students (Data Challenge), should be completed within one semester) |
| Expected final qualification: | "Master of Science" Successful QTEM students earn a QTEM certificate together with the Master's Degree from TUM. |
| Langue of instruction: | English |
| Application deadline: | 15 May 2024 |
| Application registration: | Click here |

Documents to be submitted:

- Letter of motivation in English (max. 1½ pages)
- CV
- Bachelor's Degree **OR**
- current Transcript of Records (for students from the Bachelor's program in Management and Technology in their last Bachelor's semester)
- Abitur / Baccalaureate / A level certificate
- DAAD Language Test English (C1 or higher) or equivalent (taken within the last 1,5 years)
- Matriculation certificate
- 5 preferences from [QTEM Partner Universities](#) (specified in "application registration" link)
- A [list of courses](#) and results with quantitative contents taken at TUM School of Management (min 30 ECTS) **OR**
- GMAT (or GRE) **OR** GMAT Focus Edition

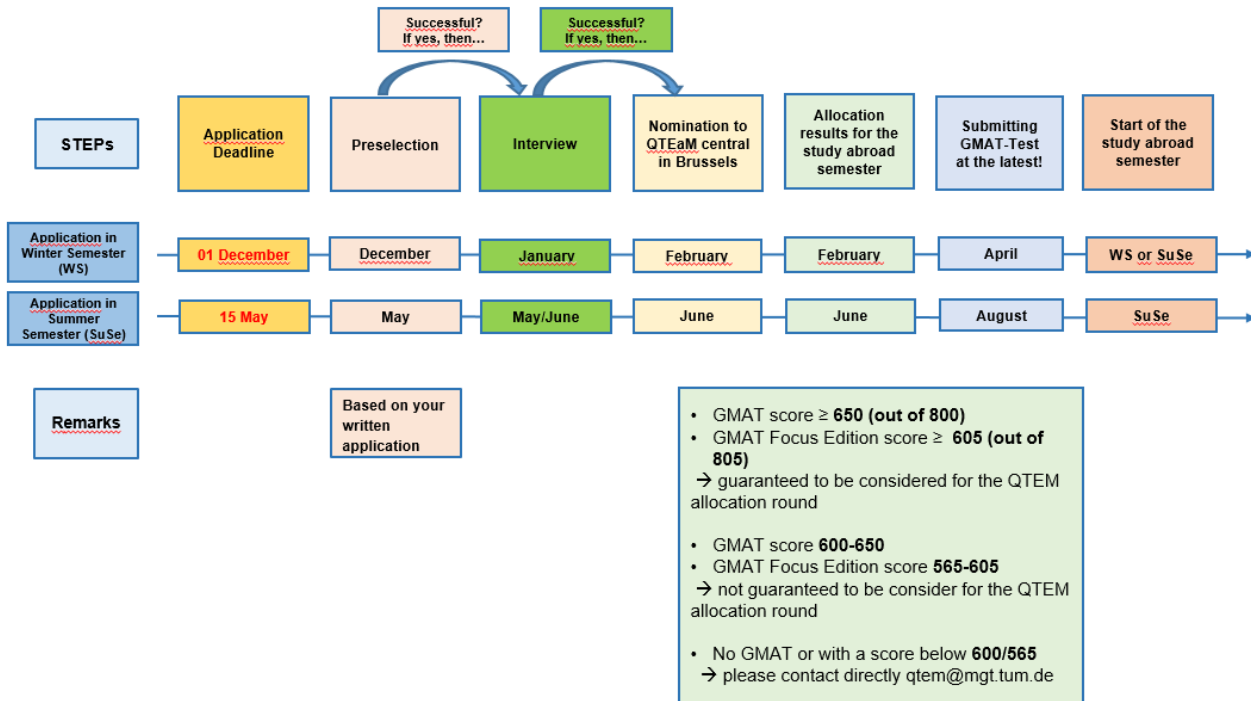
| GMAT | GMAT Focus Edition |
|--|--|
| Recommended score 650 and higher (out of 800) | Recommended score 605 and higher (out of 805) |
| If the score is between 600 and 650, please contact us. | If the score is between 565 and 605, please contact us. |
| Taken within the last 3 years | |

Please send your application documents, after your online registration, via email to qtem@mgt.tum.de.

Subject line: application for QTEM_ "your name"

You will receive (electronic) confirmation of receipt of your documents at the latest on the following working day. It is not possible to submit further documents after the application deadline.

Selection procedures:

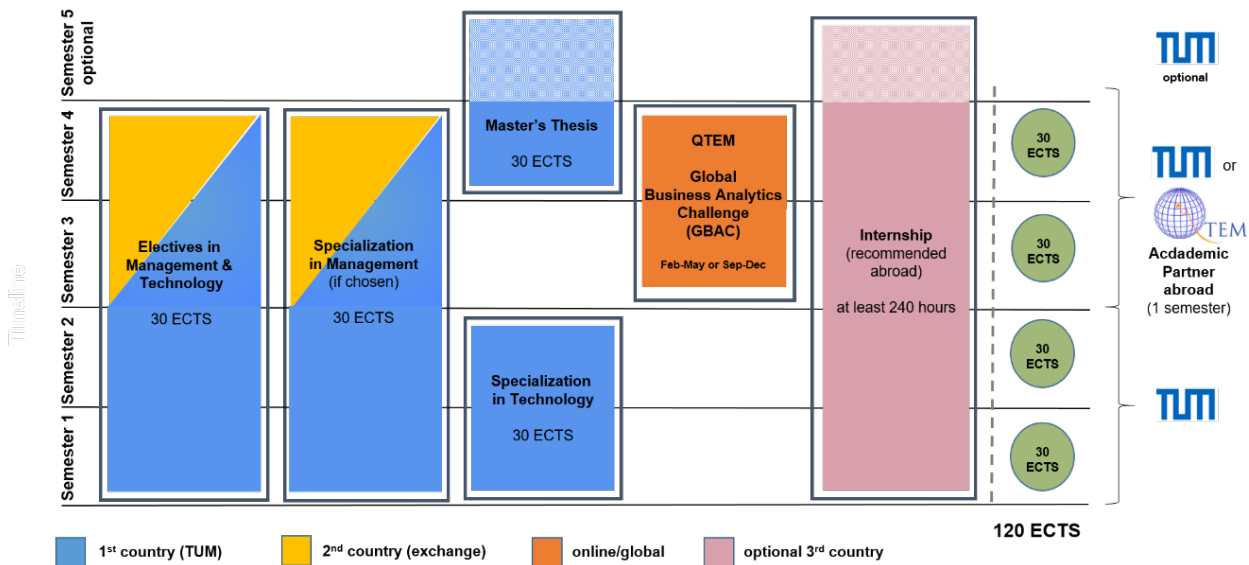


→ Tip: take your GMAT test early and check our website for tips to study for your GMAT test:

<https://www.mgt.tum.de/programs/international-exchange-programs/going-abroad/qtem>

Program structure:

TUM-students of the Master's program in Management and Technology (MMT) with an interest in quantitative education (e.g. Finance & Accounting, Economics and Policy, Operations and Technology) are eligible for the QTEM Master's Program. The student will follow an individual study plan, which has to be approved by the program manager at TUM School of Management, International Office.



The students will study the first and the second semester at TUM. Students should take the complete “Specialization in Technology” and parts of the “Elective in Management & Technology” and the “Management Specialization” courses (if necessary) in the first year at TUM (60 ECTS). After their first year at TUM, students will have accomplished about 30 ECTS (“Specialization in Management” and/or “Electives in Management & Technology”) at one of the QTEM academic partner institutions in the third or fourth semester.

The Master’s thesis (30 ECTS) should be undertaken at TUM or abroad with the main supervisor at TUM.

To finish the program successfully, students must also complete a 240 working hours internship (about 6 weeks). This should be undertaken in a third country of their own choice, in exceptional cases it can be undertaken in Germany. In all cases, the internship must be undertaken after Bachelor’s Degree graduation with quantitative contents. The student is responsible for finding the internship.

All QTEM students should successfully complete a given amount of quantitative techniques courses during their QTEM Master's program:

- a minimum of **50%** of the credits (45 ECTS) of the Master's program **overall** (including credits from the QTEM exchange but excluding credits from the Master's thesis, if applicable) should consist of successfully completed quantitative techniques courses.

AND

- a minimum of **22** QTEM credits of quantitative techniques courses in the **QTEM exchange** should be successfully completed during the exchange.
- **Quantitative courses** are those rated “highly quantitative” or “semi-quantitative” in the QTEM courses database: <https://www.qtem.org/en/students/courses>

AND

- taking part in the **Global Business Analytics Challenge (GBAC)** which contains 2 online courses (Data presentation and Multicultural teamwork) and a global group work (Data challenge). The courses and group work should take part in one semester: <https://www.qtem.org/en/data-challenge>

All QTEM students should successfully complete at least **one of the QTEM Modules**: Business Intelligence & Big Data, Innovation & Strategy, Finance & Risk Management, Marketing & Supply Chain, Applied Economics & Public Policy

- a **QTEM Module** is a recognition of a topic / functional specialization awarded to a QTEM student upon successful completion of a minimum of 20 QTEM credits of courses in the same QTEM Module during the QTEM Master's program.

For further information, please also refer to the QTEM website: <https://www.qtem.org/>

FAQs:

Can I also apply in winter semester for the "TUM SOMex (including Erasmus)" exchange program?

Yes, parallel application in winter semester is possible. Should you receive a nomination for the QTEM Program, your application for the ["TUM SOMex \(including Erasmus\)"](#) will be automatically annulled.

For applications in summer semester: What am I supposed to do when I have already received an exchange place in another exchange program?

If you have been selected for another exchange program, you do not have to cancel it immediately in favor of QTEM. If the place can be combined in an academically sensible way with QTEM, then two semesters abroad are possible via different programs. It has to be checked by the TUM MGT International Office. Please contact us (qtem@mgt.tum.de).

Where can I take the DAAD Test in English?

Our Language Center offers the DAAD Test in English at regular intervals, free of charge. The dates can be found [here](#).

Can I receive an ERASMUS grant?

If you have not yet received an ERASMUS grant (SMS) in your second circle of study (Master's Program), then after successful nomination you can apply for the ERASMUS grant at the TUM-MGT International Office for QTEM exchanges inside Europe. For the QTEM partner in Switzerland you may apply directly via our academic partner for the Swiss-mobility grant.

When should I apply for the program?

In your 1st or 2nd semester in the Master's program "Management and Technology" (MMT). We select students for the QTEM network each semester.

Is it possible to apply for the program after my 2nd semester?

It is not recommended as the program usually runs more than 5 semesters. The maximum duration of a Master's degree program may not exceed 6 semesters of study.

Is it possible to apply for the program during my Bachelor's course?

If you are in your last semester of your Bachelor's program, it is possible to apply for the QTEM Master's network. You must apply for the Master's program in Management and Technology (MMT) in the following semester. If it is not possible for you to enroll in the following semester in MMT, your QTEM nomination will be automatically annulled.

Why does QTEM require the GMAT/GRE test?

To identify and recruit high-potential analytically-skilled QTEM Participants, to give a signal (program reputation) to Corporate Partners, Partner Universities and the "Club" of QTEM Participants (including future alumni network) and to provide an internationally-comparable and globally-recognized standard. If you register for the test, please choose QTEM as school. If you have any questions or concern regarding the GMAT, please do not hesitate to contact us (qtem@mgt.tum.de).

Is it possible to stay abroad for two semesters?

We recommend one exchange during the QTEM program. If you want to stay abroad for two semesters, please contact us for a personal consultation.