

QTEM – Masters Network

Quantitative Techniques for Economics & Management

QTEM is an elite network of currently 24 top schools of Economics and Management and approx. 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

Target group:	Students of Master's in Management & Technology (MMT) with an interest in quantitative techniques ("Finance & Accounting" OR "Economics & Policy" OR "Operations & Supply Chain Management")
Number of places:	10
Length of stay abroad:	1 exchange abroad at one of the QTEM Partner Universities
Other mandatory program parts:	internship of at least 6 weeks (240 working hours) (should 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 the QTEM Degree together with the Master's Degree from TUM.
Langue of instruction:	English
Application deadline:	7 December 2020 (due to late semester start)
Application registration via:	Evasys
Documents to be submitted:	<ul style="list-style-type: none">• GMAT (or GRE)<ul style="list-style-type: none">○ recommended 650 and higher (out of 800)○ taken within the last 3 years○ possible to submit it until end of February (please hand in your planned time frame to obtain the GMAT at the time of your application)○ If you have any questions or concerns please do not hesitate to contact us!• 5 preferences from QTEM Partner Universities (global)• Abitur / Baccalaureate / A level certificate• Bachelor degree• DAAD Language Test English (C1 or higher) or equivalent (taken within the last 1.5 years)• Letter of motivation in English (max. 1½ pages)• CV• Matriculation certificate• Current Transcript of Records (Bachelor's program in Management and Technology in 7th semester)

Please send your application documents, after your online registration, via email to jip@wi.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:

The pre-selection is made on the basis of the submitted documents. A rejection or an invitation to interview will be sent to the candidates by email in December/January.

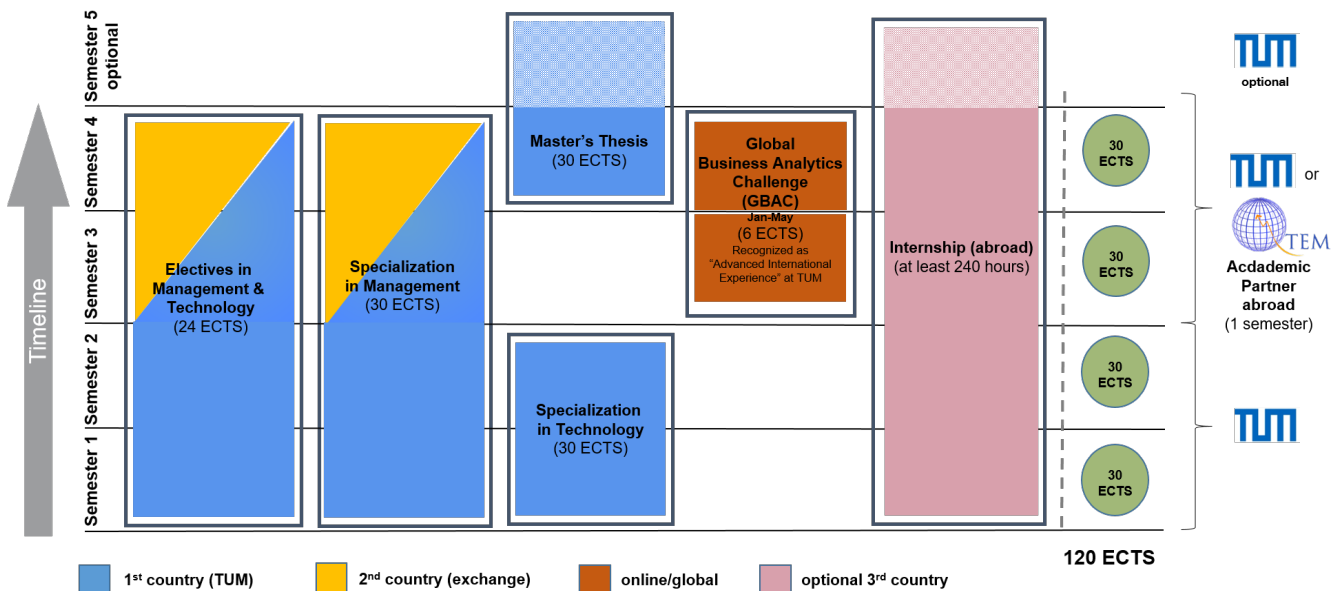
An additional application for the exchange program ”TUM SOMex (incl. ERASMUS)” is possible. In the case of successful nomination for the QTEM Masters Network the application for the ”TUM SOMex (incl. Erasmus)” is automatically annulled.

Pre-selected QTEM candidates are announced by TUM-SOM International Office in **February**.

- With **GMAT score** ≥650 (out of 800) → guaranteed to be considered for the QTEM pre-selection procedure
- Without GMAT score or with score 600-650 → not guaranteed to be consider for the QTEM pre-selection procedure

→ **Tip: take your GMAT test early and check our website for tips to study for your GMAT test:** <https://www.wi.tum.de/student-life/joint-international-programs/#QTEM>

Program structure:



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

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 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 module "Advanced International Experience" (6 ECTS) must be fulfilled at TUM during the Master's program MMT.

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

In addition to taking part in the program, 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 (about analytics learning and digital leadership) 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>
- The GBAC can be recognized as the Advanced International Experience.

All QTEM students should successfully complete at least **one QTEM Module**.

- 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: <http://www.qtem.org/>

FAQs:

Can I also apply for the "TUM SOMex (including Erasmus)"?

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

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 to date 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-SOM 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 semester (winter semester) in the Master's in Management and Technology (MMT).

Is it possible to apply for the program after my 1st semester?

It is only possible for students starting the Master's program in the summer semester before the application deadline in the following winter semester. In this case the application must be submitted in the 2nd study semester. Usually the program then runs 2 ½ years.

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

If you are in the 7th and last semester of your Bachelor's program (winter semester), 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 summer semester. If it is not possible for you to enroll in the following summer 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, you should choose TUM School of Management as school and you can choose QTEM too as a second school. If you have any questions or concern regarding the GMAT please do not hesitate to contact us (jip@wi.tum.de)!

Last update: November 2020