

Global Analytics Network
QTEM

Quantitative Techniques for Economics & Management

QTEM is a global elite network of more than **20 top schools** of Economics and Management and **15 business partners** worldwide.

The QTEM Master’s network educates decision-makers recognized as:

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

APPLICATION REGISTRATION

Pre-register [here](#)

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 confirmation of receipt of your documents at the latest on the following business day. It is not possible to submit further documents after the application deadline.

REQUIRED DOCUMENTS FOR PRE-SELECTION AT TUM

- Bachelor Degree
 - Current transcript of records
 - Abitur / Baccalaureate / A level certificate
 - CV in English
 - DAAD Language Test English or equivalent (C1, not older than 2 years)
 - Letter of motivation in English (max. 1.5 pages)
 - 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
- **Please note:** Upon successful nomination by QTEM, each student must submit their GMAT results to QTEM Central

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	

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 QUALIFICATION

“Master of Science”

Successful QTEM students earn a QTEM certificate together with the Master’s Degree from TUM

LANGUAGE OF INSTRUCTION

English

TARGET GROUP

Students of Masters 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 semester (2nd semester possible)

APPLICATION DEADLINE
15 May 2025



PROGRAM STRUCTURE

TUM students of the Master’s program in Management & 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” (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) which can be done at home or abroad. In all cases, the internship must be undertaken after the Bachelor’s Degree graduation with quantitative content. The student is responsible for finding an internship placement.

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

- In sum a minimum of 45 ECTS of the Master's Program overall (including credits from the QTEM exchange and the MMT Program)
- 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](#).
- Taking part in the Global Business Analytics Challenge (GBAC), which contains two 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.

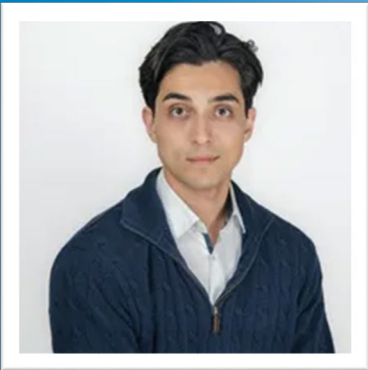
Minimum 45 ECTS quantitative credits in MMT

	1st semester (30 ECTS)	2nd semester (30 ECTS)	3rd semester (30 ECTS)	4th semester (30 ECTS)	Possible 5th semester
Courses at home + exchanges	TUM	TUM	Exchange at a QTEM Academic Partner	TUM	(e.g. Participation in a 2nd exchange semester)
	Electives / Specialization in Management (15 ECTS) Specialization in Technology (15 ECTS)	Electives / Specialization in Management (15 ECTS) Specialization in Technology (15 ECTS)	Electives or Specialization in Management (30 ECTS)	Master's Thesis (30 ECTS)	
	+				
GBAC	2 trainings + QDC	2 trainings + QDC	2 trainings + QDC	2 trainings + QDC	
	*Students can decide in which term to carry out the 2 online trainings followed by the QTEM Data challenge				
	+				
Internship	Internship			OR	Internship



Graduation

“QTEM helped me a lot in landing my current position at the Boston Consulting Group. Through QTEM’s corporate network I had the opportunity to develop my social and technical skills.”



AZIZ BOUSHIH
QTEM student from TUM

CONTACT

If you have any questions don't hesitate to contact us via [e-mail](#).
You can find more information on the [website](#).
Program Coordinator: Ms. Josephina Buhr

SELECTION PROCEDURE AT TUM SCHOOL OF MANAGEMENT FOR THE AY 25/26

Application for fall or spring	Application for spring	
2 December	15 May	<div><div><div></div><div></div><div></div></div><div>Deadline to submit your application to TUM School of Management</div><div>1. Registration for application via Evasys: Online registration</div><div>2. Application via e-mail to qtem@mgt.tum.de</div></div>
January	June	<div><div><div></div><div></div><div></div></div><div>Interviews of QTEM applicants</div></div>
30 March	30 June	Final list of QTEM candidates is confirmed by QTEM Central
20 May	20 September	Deadline to submit GMAT/GRE test score to QTEM Central
August	January	The (first) QTEM exchanges begin...

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 School of Management 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. 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 & 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 & 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?

It is only possible for 1 semester per exchange during the QTEM program. If you would like to go on a second exchange, please contact us for personal consultation.