

Global Analytics Network

QTEM

Quantitative Techniques for Economics & Management

QTEM is a global elite network of about **20 top schools** of Economics and Management and **12 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

TARGET GROUP

Students enrolled in the **Master's program** in:

- *Management & Technology (MMT)* OR
 - *Management & Digital Technology (MMDT)*
- with a **specialization or an interest in quantitative education**
- Finance & Accounting OR
 - Economics & Policy OR
 - Operations & Technology OR
 - Digital Enterprises

EXPECTED QUALIFICATION

Successful QTEM students earn the QTEM certificate together with the Master of Science Degree from TUM

LANGUAGE OF INSTRUCTION

English

APPLICATION REGISTRATION

1. **Pre-register online [here](#), incl. 5 preferences from [QTEM Partner Universities](#)**
2. **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 email no later than the next business day after the application deadline. It is not possible to submit further documents after the application deadline.

APPLICATION DOCUMENTS

- Bachelor's Degree
- Abitur / Baccalaureate / A-level certificate
- Current transcript of records
- Letter of motivation in English (max. 1.5 pages)
- CV in English
- DAAD Language Test English or equivalent (C1, not older than 2 years)
- Matriculation certificate of TUM MGT
- GMAT-test **OR** a list of courses (min 30 ECTS) and results with quantitative contents taken at TUM School of Management (it depends on the Track – see next column)

GMAT Track

GMAT Focus Edition with a score of 605 is a required pre-requisite. A GRE score is also accepted.

Upon successful nomination by QTEM, each student must submit their GMAT results to QTEM Central.

- If the GMAT score is between 565 and 595, please contact us via qtem@mgt.tum.de.

Non - GMAT Track

TUM MGT students **with a Bachelor's degree from TUM MGT and a Bachelor's average grade of 2.0 and better** can be accepted in the program without doing the GMAT.

SELECTION PROCESS

1. Written application
2. Interview

The pre-selection for the interview is based on the quality of the submitted documents. The decision about an invitation to the interview (in January) or a letter of rejection will be sent by the end of December.

OTHER MANDATORY PROGRAM PARTS

- An **internship** of at least 6 weeks
 - The Global Business Analytics Challenge (**GBAC**)
- Please refer to the chapter "PROGRAM STRUCTURE"

NUMBER OF PLACES

20 (per Academic Year)

LENGTH OF STAY ABROAD

1 semester (2nd semester possible)

APPLICATION DEADLINE

13 May 2026



PROGRAM STRUCTURE

TUM students of the **Master’s programs in Management & Technology (MMT)** or **Management & Digital Technology (MMDT)** with a strong interest in quantitative disciplines — such as Finance & Accounting, Economics & Policy, Operations & Technology, or Digital Enterprises — are eligible to apply for the QTEM Program. All selected students will follow an individual study plan, which must be approved by the QTEM International Office Coordinator at the TUM School of Management’s International Office.

In their first and second semesters, students will follow courses at TUM, earning 60 ECTS. In the third or fourth semester, students will study at a QTEM academic partner institution, earning approximately 30 ECTS, which can be transferred back to the respective TUM Master’s program. For more details, please refer to the MMT or MMDT study plans below.

The Master’s Thesis (30 ECTS) will be undertaken at TUM.

To finish the QTEM program successfully, all students must also complete a 240-hour **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 and with quantitative content. The student is responsible for finding an internship placement.


All QTEM students should complete a given number of **quantitative techniques courses** during their QTEM program:

- In sum, a minimum of 45 ECTS of the Master's Program overall (including credits from the QTEM exchange and the TUM Master's program)
- During the QTEM exchange semester, a minimum of 22 QTEM credits of quantitative techniques courses should be completed. Quantitative courses are those rated “highly quantitative” or “semi quantitative” in the QTEM courses [database](#).

Participation in the [Global Business Analytics Challenge \(GBAC\)](#) is also a mandatory component of the QTEM program. The **GBAC** comprises online training and the QTEM Data Challenge (QDC). Students can decide which semester they participate, but they must follow the online courses during the same semester as the QDC. The GBAC can be transferred to the TUM Master’s program with 8 ECTS as a “highly quantitative” course.

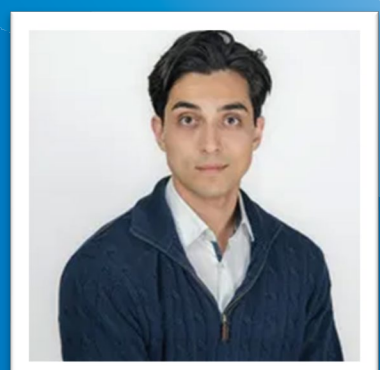
Master in Management & Technology (MMT)

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	OR 2 trainings + QDC	OR 2 trainings + QDC	OR 2 trainings + QDC	
	+				
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

Master in Management & Digital Technology (MMDT)

Minimum 45 ECTS quantitative credits in MMDT					
	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 or Specialization in Management (6 ECTS)	Electives or Specialization in Management (12 ECTS)	Electives or Specialization in Management (30 ECTS)	Master's Thesis (30 ECTS)	
	Specialization in Technology (18 ECTS)	Specialization in Technology (12 ECTS)			
	Electives in Methods (6 ECTS)	Electives in Methods (6 ECTS)	+		
GBAC	2 trainings + QDC	OR 2 trainings + QDC	OR 2 trainings + QDC	OR 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

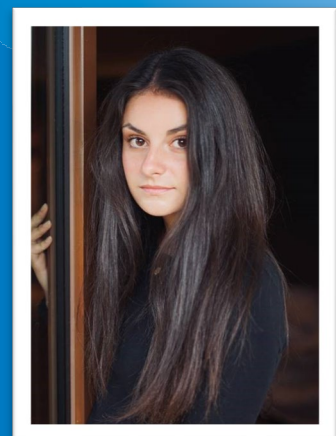
CONTACT

If you have any questions, don't hesitate to contact us via e-mail qtem@mgt.tum.de
 You can find more information on the [website](#).
 QTEM Program Coordinator: Ms. Josephina Buhr
 QTEM Program Manager (QTEM IOC): Ms. Ute Helfers

THE QTEM SELECTION PROCESS FOR THE AY 2026/2027

Application for the semester abroad in fall 2026 or spring 2027	Application for the semester abroad in spring 2027	
1 December 2025	13 May 2026	<p>Deadline to submit your application to TUM School of Management</p> <ol style="list-style-type: none"> 1. Registration for application via Forms: Online registration 2. Application via e-mail to qtem@mgt.tum.de 3. You will receive an invitation to the interview or a letter of rejection.
January 2026	June 2026	<p>Interviews of QTEM applicants</p>
1 March 2026	30 June 2026	Final list of QTEM candidates is confirmed by QTEM Central
20 May 2026	20 September 2026	Deadline to submit GMAT/GRE test score to QTEM Central for GMAT Track only
August 2026 or January 2027	January 2027	The (first) QTEM exchange begins in...

"Being part of the QTEM network provided me with a global community. I am grateful for the impact QTEM has had on my life and the lifelong friendships I have forged along the way."



SELINA HUBSCHNEIDER
QTEM student from TUM

FAQs

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

Yes, parallel application in the winter semester (deadline 01 December) 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 via 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?

After a successful nomination at an ERASMUS University in Europe 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 (SEMP).

When should I apply for the program?

In your 1st or 2nd semester in the Master’s program “Management & Technology” (MMT) or “Management & Digital Technology” (MMDT). 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 program?

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) or for the Master’s program in Management & Digital Technology (MMDT) in the following semester. If it is not possible for you to enroll in the following semester in MMT or MMDT, 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 your school. **(GMAT Track)**

TUM MGT students with a Bachelor’s degree from TUM MGT and a Bachelor’s average grade of 2.0 and better can be accepted into the program without taking the GMAT. **(Non-GMAT Track)**

Please refer to the first page of this flyer. If you have any questions or concerns regarding the GMAT, please do not hesitate to contact us.

Can the Global Business Analytics Challenge (GBAC) be recognized at TUM?

Yes, the GBAC can be recognized at TUM with 8 ECTS.

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 a personal consultation. qtem@mgt.tum.de

Do I have to pay the tuition fee at TUM while staying abroad (for NON-European TUM students)?

Yes, you have to pay the tuition fee at TUM while staying abroad. If this applies to you, please contact us.

Last update: March 2026

„QTEM gave me the opportunity to spend an amazing semester abroad in Tokyo, Japan, where I made wonderful friends from around the globe. This network of highly motivated individuals played a key role in facilitating my entry into investment banking.“

Verim Ajdini
QTEM student from TUM

