QTEM Masters Network
Quantitative Techniques for Economics and Management
QTEM’s DNA

Excellence
min. GMAT score 650

Quantitative & analytical
min. 50% ECTS

International
3+ countries

Professional Experience
min. 2 months
- Master in Quantitative Techniques for Economics & Management

• Elite network of currently 22 partner universities and appx. 15 business partners worldwide

• Target group: Master students in MMT with interest in quantitative education

• Procedure: 1\(^{\text{st}}\) + 2\(^{\text{nd}}\) semester at TUM; 3\(^{\text{rd}}\) + 4\(^{\text{th}}\) semester for 1 semester abroad at an academic QTEM partner and in one further country for an internship of minimum 4 months duration; 4\(^{\text{th}}\)/5\(^{\text{th}}\) semester Master thesis at TUM

• Duration of stay: maximum 1 year (3\(^{\text{rd}}\) and 4\(^{\text{th}}\) semester) in two different countries for internship and study

• Successful QTEM Students are earning the QTEM Degree together with the “Master of Science” degree from TUM.

• [http://www.qtem.org/](http://www.qtem.org/)

- Master in Quantitative Techniques for Economics & Management

• **Application deadline:** 17\(^{th}\) of December 2017
  GMAT score (at least 600) required!!

• Application Documents:
  – GMAT / GRE (min. 600; taken within last 3 years; possible to submit until March)
  – 5 preferences from QTEM Partner universities
  – Bachelor Degree
  – Abitur / Baccalaureate / A level certificate
  – DAAD Language Test English (C1 or higher) or equivalent
  – Letter of motivation in English (max. 1½ pages)
  – CV
  – Matriculation certificate
  – Current Transcript of Records (Bachelor’s program Management and Technology in 7\(^{th}\) semester)

• Application Procedure: two-step process (preselection according to application documents and interview)
GMAT (1/3)

Why should you take the GMAT test?

• To have access to QTEM but also to …
• … thousands of MBA & Masters programs offered by business schools all around the world
• To challenge yourself

Why does QTEM require the GMAT test?

• To identify and recruit high-potential analytically-skilled QTEM Participants
• To give a signal (program reputation) to
  – Corporate Partners
  – Partner Universities
  – The “Club” of QTEM Participants (including future alumni network)
• To provide an internationally-comparable and globally-recognized standard
The GMAT general revised test has 4 steps:

1. **Schedule a GMAT appointment**
   - Appointment on the official websites [https://www.mba.com/global](https://www.mba.com/global)
   - Price: 250 USD + local taxes
   - Make your appointment as early as possible in order to meet your deadlines (not all dates are available for tests)
     - Appointment rescheduling is possible if requested at least seven days before the appointment and costs 50 USD + local taxes

2. **Prepare yourself**
   - Do not go blind to the test, **prepare for the test and train yourself early enough!**
   - Preparation materials are available, check:
     - The official GMAT websites (free material available)
     - Dedicated training books, websites, …
3. **Take the GMAT test**
   - Parts: Quantitative Section + Verbal Reasoning (+ Analytical Written Assessment + Integrated Reasoning)*
   - Duration: 3 hours 30 min
     Select your school code upon completion of the test

4. **Improve your score if you want**
   - You can take GMAT or test once every 31 calendar days and no more than five times in a 12-month period

⚠️

→ **Plan and prepare your GMAT!!**

→ **Do not forget that your final GMAT score influences the ranking of the School!**

* Only the quantitative section and verbal section will count for the final GMAT/GRE score
Master in Quantitative Techniques for Economics & Management

Electives in Management & Technology (30 ECTS)
Specialization in Management (30 ECTS)
Specialization in Technology (30 ECTS)
Master's Thesis (30 ECTS)
Internship abroad (16 weeks)

Timeline:

1st country
2nd country
3rd country

120 ECTS

Partner University abroad (1 semester)
Academic Partners (current)

1. Amsterdam
2. Brussels
3. Casablanca
4. Exeter
5. Frankfurt
6. Hangzhou
7. Helsinki
8. Lausanne
9. Melbourne
10. Milano
11. Montreal
12. Moscow & St Petersburg
13. Munich
14. Nice
15. Oslo
16. Paris
17. Porto
18. Rome
19. Tilburg
20. Tokyo
21. Xiamen
### Academic calendars

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* The Fall semester may finish earlier depending on student choices related to exams
Corporate Partners (current)

AB InBev

BAIN & COMPANY

Deloitte

EY

FIRM

McKinsey & Company

Millennium

optiver

ORTEC

SOLVAY

SAS

Volkswagen
Knowledge:
• Program of top quality: the **most relevant courses** from the **best schools**
• Strong **quantitative background adapted to decision-making**
• **Attractive specializations opportunities** through QTEM Modules
• **English fluency**

Network:
• **International experience**: two semesters abroad at two different Academic Partners
• **Exposure to top students from leading Universities globally**
• **Corporate exposure** through the QTEM internship and the network of QTEM Corporate Partners
• **Growing network** of Academic Partners, Corporate Partners and Alumni

Career & reputation:
• **Specific job & internship offers** by the QTEM Corporate Partners, accessible online to the QTEM Students
• **Online CV** available to QTEM Corporate Partners
• Privileged access to **attractive jobs** in multinationals and public institutions, **in an international context**
All QTEM students should successfully complete a given amount of **quantitative courses** during their QTEM Master's program:

- a minimum of **50%** of the credits of the Master's program **overall*** should consist of successfully completed quantitative courses.
  
  AND

- a minimum of **22** QTEM credits of quantitative courses at **QTEM exchange** should be successfully completed,

- **Quantitative courses** are those rated “highly quantitative” or “semi-quantitative” in the QTEM courses database. [http://www.qtem.org/](http://www.qtem.org/)

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.

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*Including credits from the **QTEM exchange** but excluding credits from the Master’s thesis, if applicable.*
The QTEM Modules (maximum two) appear on the QTEM Degree:

<table>
<thead>
<tr>
<th>QTEM Modules</th>
<th>QTEM Sub-Modules (as per the QTEM course database*)</th>
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<tbody>
<tr>
<td><strong>1. Finance and Risk Management</strong></td>
<td>1) Controlling &amp; Accounting</td>
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<td>2) Finance - Actuarial Sciences</td>
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<td>3) Finance - Banking and Management of Financial Institutions</td>
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<td>4) Finance - Corporate Finance</td>
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<td>5) Finance - Financial Markets and Derivatives</td>
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<td>6) Risk Management</td>
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<td>2) Policy-Making, Regulation and Pricing</td>
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<td>3) Tax Management and International Optimization Strategies</td>
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<td>4) Macroeconomic Models and Forecasting, Computational Economics</td>
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<td><strong>3. Innovation and Strategy</strong></td>
<td>1) Entrepreneurship</td>
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<td>2) Strategy; Industrial Organization; Applied Game Theory</td>
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<td><strong>4. Marketing and Supply Chain</strong></td>
<td>1) Marketing and Sales</td>
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<td>2) Supply Chain, Operations and Logistics Management</td>
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<tr>
<td><strong>5. Business Intelligence and Big Data</strong></td>
<td>1) Quantitative Techniques &amp; Tools</td>
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<td>2) Business Intelligence</td>
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<td><strong>Others</strong></td>
<td>1) Society and Culture</td>
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</table>


** Residual category (cannot become a QTEM Module on the QTEM Degree).
You can find your contact person here:

TUM SOM International Office

Contact persons:

Ms. Ute HELFERS

Tuesday from 9 am - 12 pm
(Appointment via E-Mail!)

Email: ute.helfers@wi.tum.de

https://www.wi.tum.de/student-life/joint-international-programs/

Corner of Luisenstrasse / Theresienstrasse,
1st floor, room 1547

Application deadline: 17th of December 2017