

QTEM

INFO SESSION

Why Join the QTEM Masters Network?

“Using analytics
to create a better
world”



NATIONAL RESEARCH
UNIVERSITY

QTEM selects **outstanding students** from each academic partner

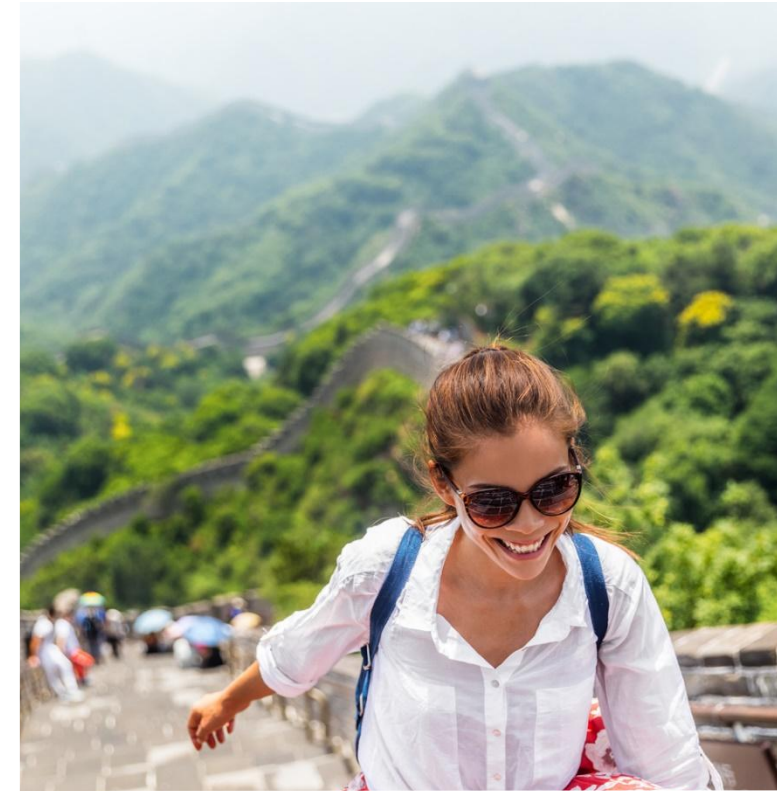


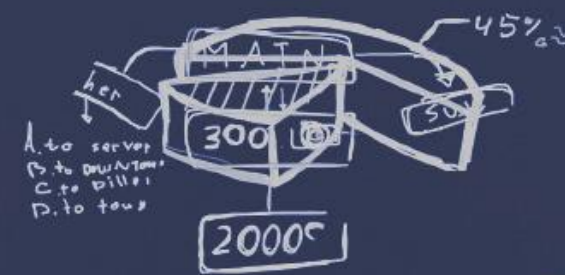
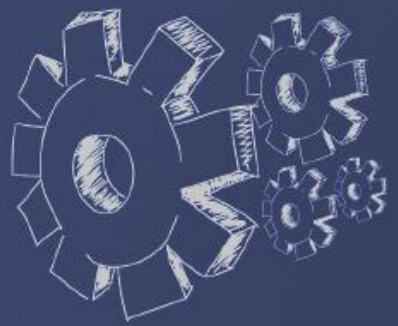
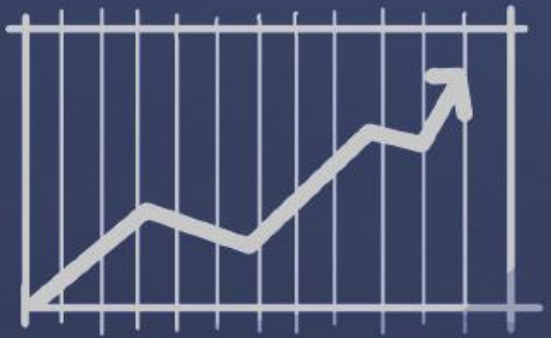
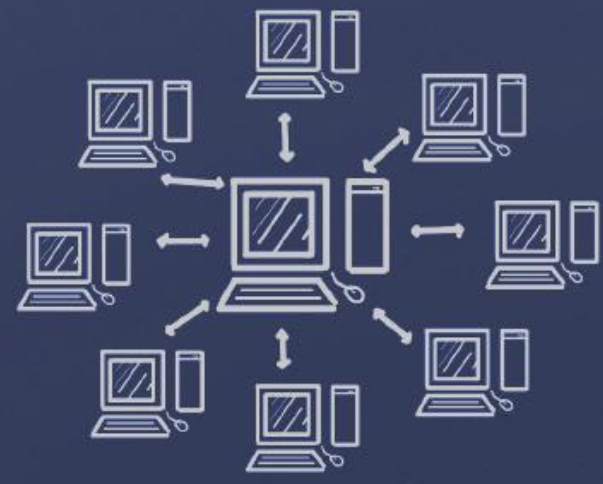
3+

Your skill set is expanded
in **three⁺ countries**



You live and study abroad





TEAM



you gain
quantitative and analytical
training

A photograph of three business professionals in a modern, brightly lit transit hub or airport terminal. A woman in a dark blazer and jeans walks towards the camera, holding a folder. Two men in suits stand and talk; one holds a coffee cup and the other has a blue suitcase. The scene is filled with warm, golden light from large windows on the left.

**You grow through
corporate experience**

Why join QTEM?

A global network

QTEM (Quantitative Techniques for Economics and Management) is a global expanding network involving more than 20 outstanding universities from five continents and corporate partners from various sectors.



17 countries, 5 continents



Why join QTEM?

Top universities behind the network



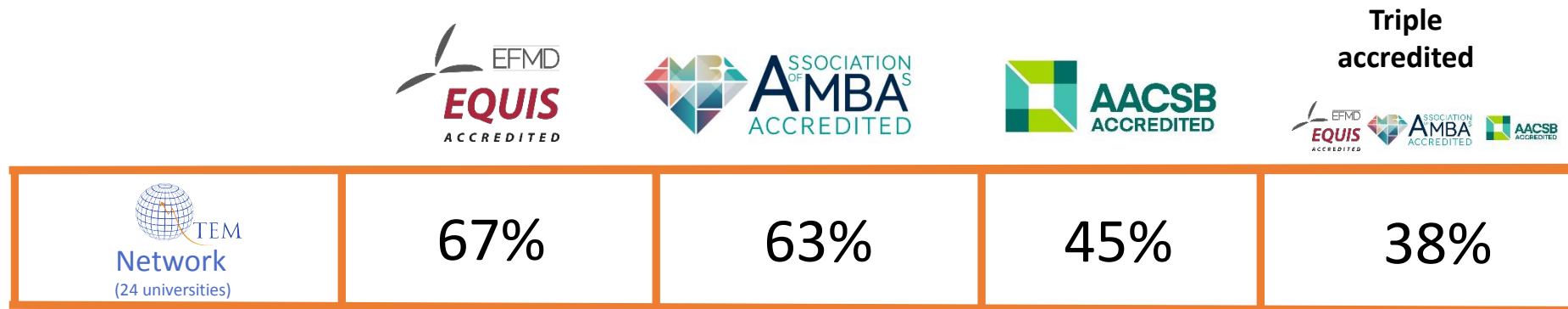
More universities join us every year



Why join QTEM?

A network comprising of highly ranked universities

QTEM Academic Partners are outstanding universities, internationally and nationally high-ranked, accredited EQUIS, AMBA and/or AACSB.



Why join QTEM?

Corporate Partners

Corporate partners interact with our students through recruitment fairs, internship offers, and presence in analytic conferences.



Representatives of McKinsey & Company, Solvay and SAS in a conference with QTEM students about Artificial Intelligence (Lausanne, Switzerland November 2017)



Deloitte.



McKinsey & Company



ORTEC

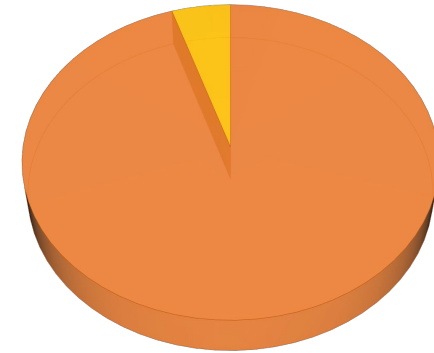
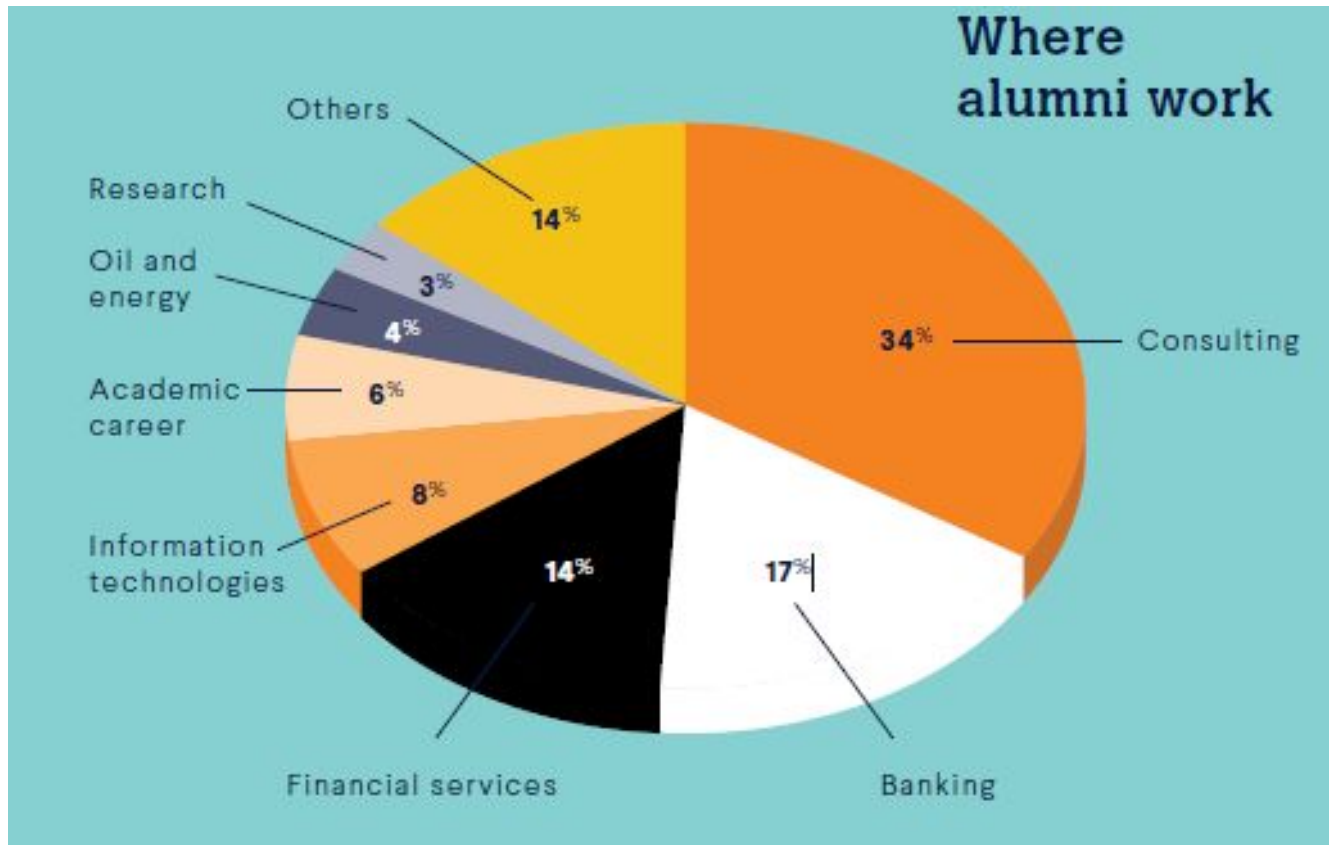


VOLKSWAGEN
GROUP ITALIA S.P.A.

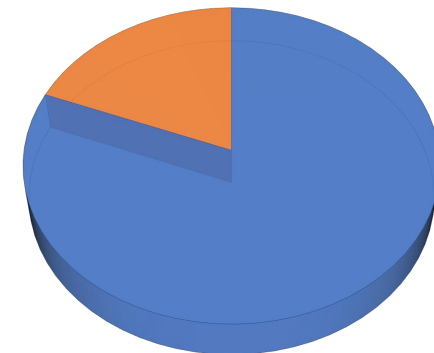
Why join QTEM?

Alumni

Connect with a quickly growing network around the globe. Based on the last alumni survey respondents, here are some facts about QTEM alumni.



95% of alumni respondents found a job within 3 months of graduation



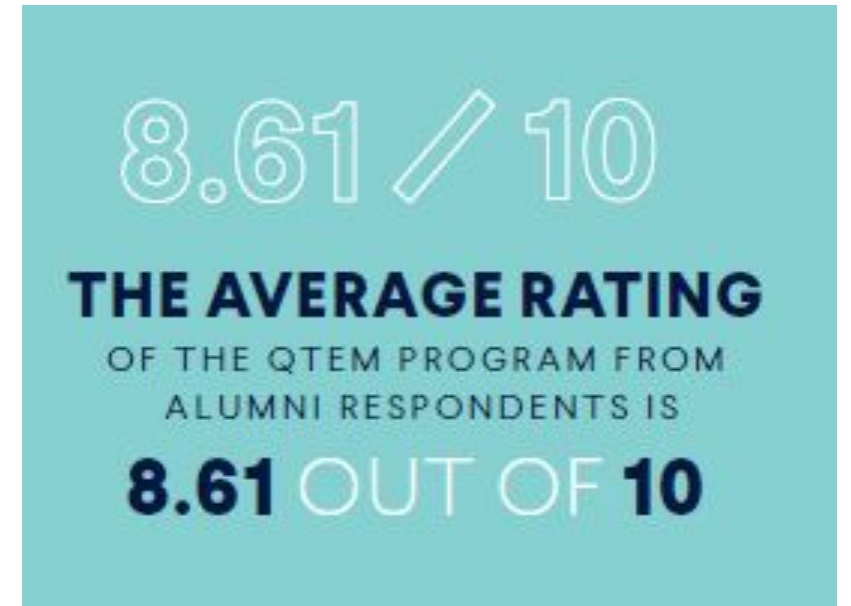
81% of alumni respondents work at large companies*
(*more than 250 employees)

Why join QTEM?

Alumni

Alumni joined the QTEM program mainly because of:

- ✓ International Exposure
- ✓ Analytical Learning
- ✓ High Selection Standards



QTEM's DNA

Quantitative Techniques for
Economics & Management



Excellence
min. GMAT score
650



**Quantitative &
analytical**
min. 50% ECTS



International
3+ countries



**Professional
Experience**
min. 2 months

Why join QTEM?

Because the QTEM Degree certifies that you:

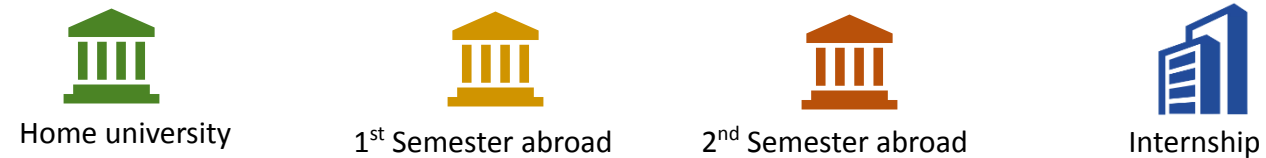
- ✓ Qualifying **GMAT**
- ✓ **An international experience** in at least 3 countries
 - 2 exchanges, or 1 exchange and 1 international internship
 - Minimum 22 quantitative credits (ECTS) per exchange
 - Relying on existing courses at each Academic Partner
 - Full English curriculum (with accessible courses in local language)
- ✓ **An analytical internship**
 - Preferably at a Corporate Partner
 - Abroad or at home
 - Short-term (300 hours) or long-term (600 hours)
- ✓ **50% quantitative courses**
- ✓ **A specialization (QTEM Module) completed during the Master**



Why join QTEM?

The world is your classroom

The skill set of QTEM students is expanded in three different countries. The program offers different tracks in order to have semesters and internships abroad. Students have the freedom to set their own academic path by choosing different courses with QTEM Academic Partners all around the world. Below are three real examples:



Student A



Goethe University



Monash



University of Amsterdam



„DekaBank



Student B



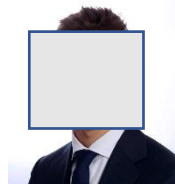
Waseda University



Goethe University



IBM



Student C



Solvay Brussels School



Luiss Guido Carli



Monash



McKinsey & Company



Your QTEM experience

The selection process at HSE St.Petersburg



NATIONAL RESEARCH
UNIVERSITY

The following Masters give access to QTEM. Earn the QTEM Degree together with these Master Degrees from your home University:

- [MSc in Applied Economics and Mathematical Methods](#)
- [MSc in Big Data Analysis in Business, Economy and Society](#)
- [MSc in Finance](#)
- [MSc in Management and Analytics for Business](#)

GMAT is a compulsory entry pre-requirement:

≥ 650 student meets the common acceptance pre-requisite for QTEM

600 < 650 student can be considered for QTEM if s/he has an exceptional file



Students pay their travel and lodging expenses for the international exchanges, but they have no additional tuition costs associated with the QTEM degree.

HSE St.Petersburg organizes [GMAT preparation modules](#) twice a year. For students enrolled at Master in Finance, Master in Management and Analytics for Business with GMAT score above 650, the School compensates their costs on passing the test

Your QTEM experience

The different tracks: A, B and C

Each Academic Partner chooses which QTEM track(s) are open to its own students, and communicates accordingly.

QTEM tracks		A. 2 international exchanges	B. Long-term internship	C. 1+1 international exchanges	Common requirements for all QTEM students: ✓ International semesters = 2 ✓ Internship = 1 ✓ Quantitative skills ✓ GMAT
International semesters	# previous international semesters	-	-	1	
	# QTEM exchange*	2	1	1	
Professional internship	Short-term internship	1	-	1	
	Long-term internship abroad	-	1	-	
Quantitative skills	Quantitative Master's course credits	Min. 50% of the Master's program overall And min. 22 ECTS on average per exchange			
	# QTEM Modules	Min. 1			
Minimum GMAT score		650 (600 if exceptional file)			

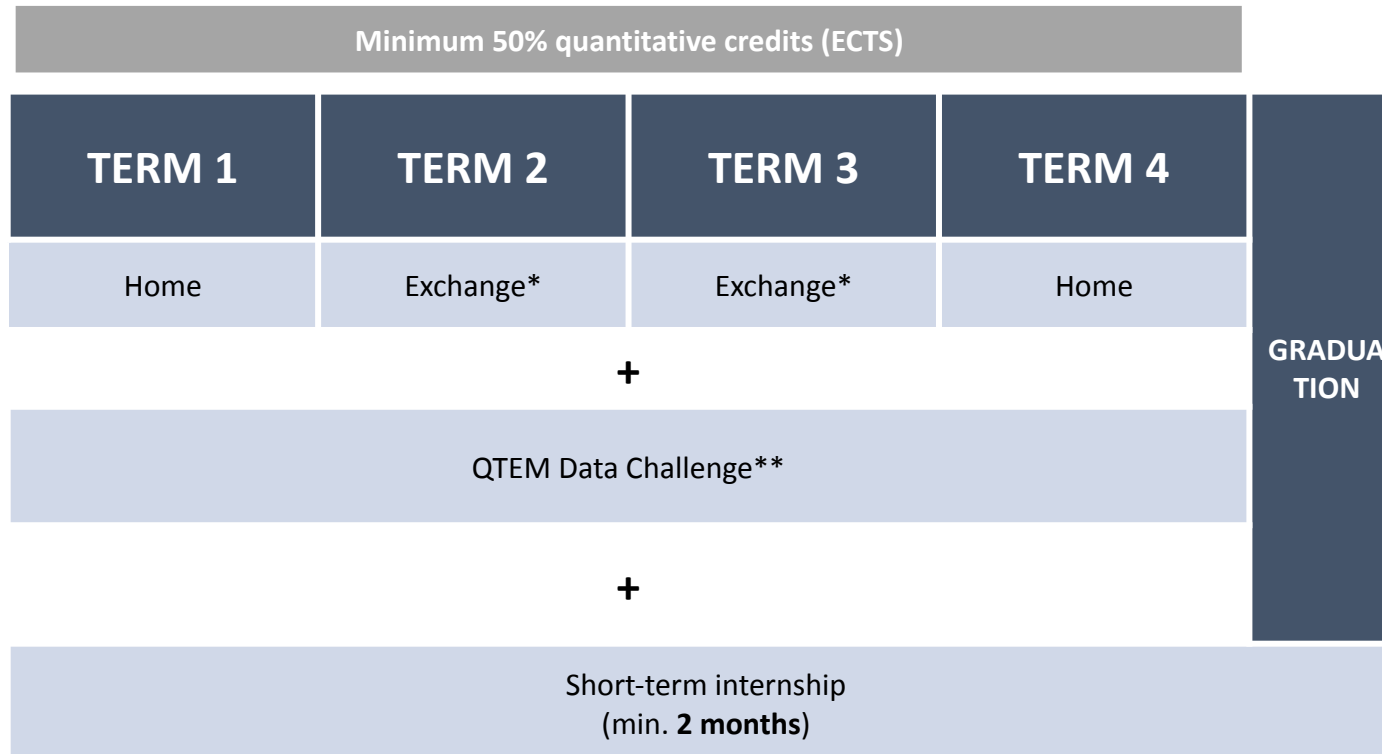


* A maximum of 1 **QTEM exchange** can be replaced by 4 **QTEM Summer Schools** (upon approval by the home institution)

Your QTEM experience

The track A – 2-year Master

Students following this track make 2 exchanges + 1 short-term internship.



* Min. 22 quantitative credits (ECTS) per exchange; one can be replaced by 4 QTEM Summer/Winter Schools

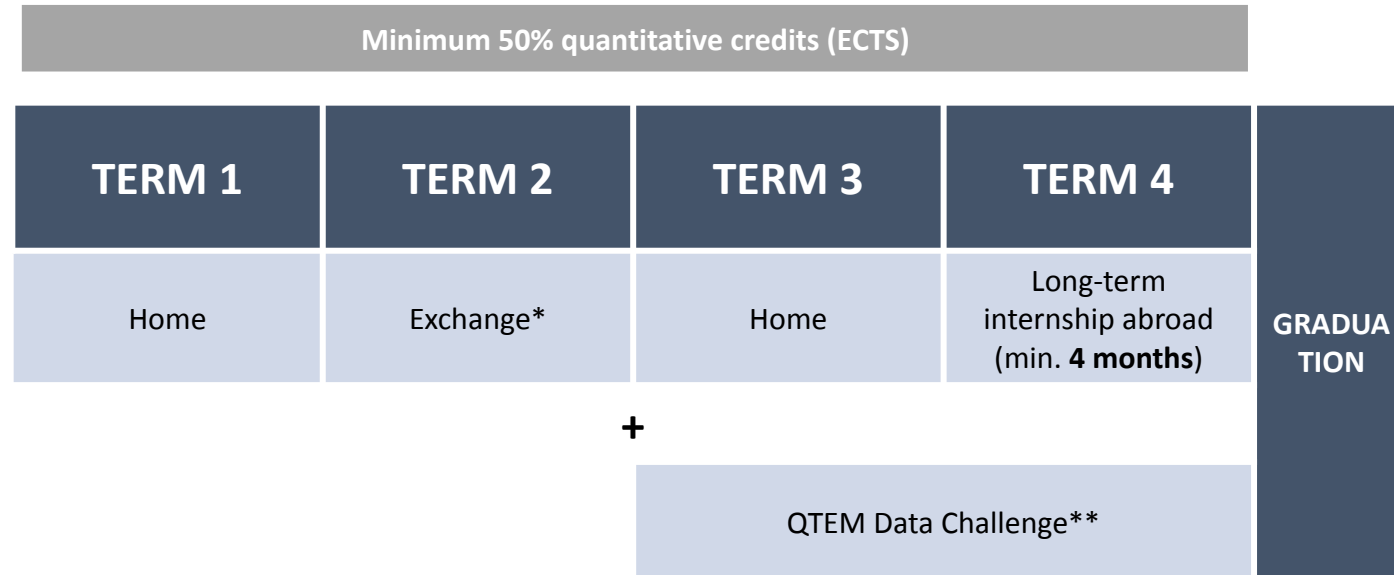
** Optional



Your QTEM experience

The track B – 2-year Master

Students following this track make 1 exchange + 1 long-term internship abroad.



* Min. 22 quantitative credits (ECTS) per exchange; one can be replaced by 4 QTEM Summer/Winter Schools

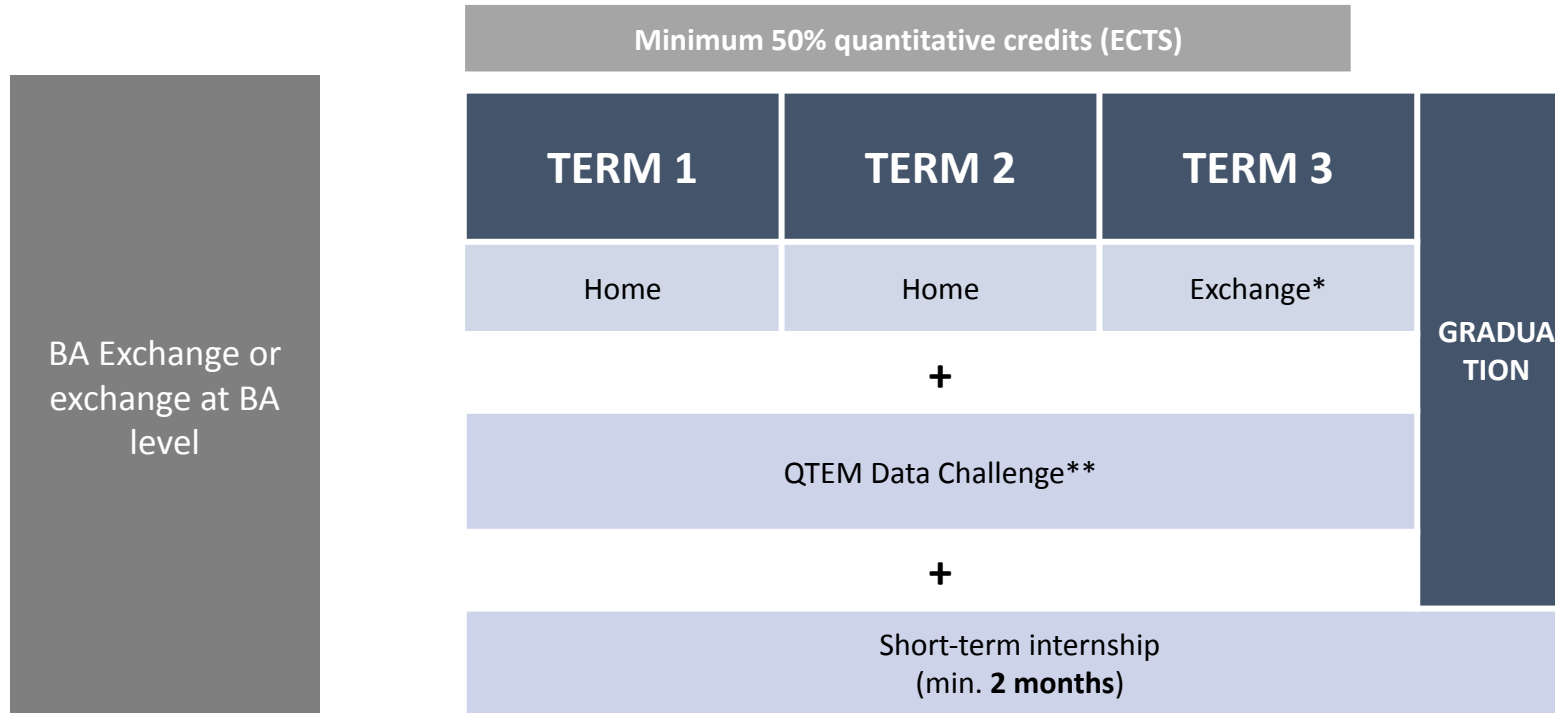
** Optional



Your QTEM experience

The track C – 1.5-year Master

Students following this track had one international experience in another university before the Master. They make 1 exchange + 1 short-term internship.



* Min. 22 quantitative credits (ECTS) per exchange; one can be replaced by 4 QTEM Summer/Winter Schools

** Optional

Your QTEM experience

Travel/exchanges in the QTEM program



All QTEM students are exposed to **analytical, international experiences**. Exchange destinations are **allocated centrally based on the students' preferences**:

- A centralized process for all QTEM students globally (each semester) ensures a fair destination allocation process and a good mix of QTEM students into the network
- Students state their preferences for destinations (ranking a of minimum *five* preferred destinations)
- Each student's global QTEM ranking depends on the student's local ranking (made by the home university) and on the average **GMAT score*** of the home university



Your QTEM experience

The academic calendar



Plan your exchange: Some Academic Partners are only open during one semester. Some combinations of exchanges may not be possible.

	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	
SBS-EM		Orange					Orange						
UvA	Blue						Blue						
BI	Orange					Orange							
HEC Lausanne	Blue					Blue							
Goethe		Orange						Orange					
LUISS*	Blue						Blue						
WASEDA*	Orange							Orange					
PORTO	Blue						Blue						
MONASH	Orange					Orange						Orange	
EDHEC	Blue					Blue							
ZHEJIANG	Orange												
HANKEN	Blue					Blue							
HEC Montréal					Orange								
XIAMEN	Blue						Blue						
DAUPHINE	Orange					Orange							
EXETER	Blue					Blue							
ESCA	Orange					Orange							
TUM		Blue						Blue					
PoliMI SoM	Orange						Orange						
HSE St Pet.	Blue					Blue							
HSE Moscow	Orange					Orange							
Tilburg	Blue					Blue							
Warwick							Orange						
HIT	Blue						Blue						
Pompeu Fabra	Orange					Orange							

* The Fall semester may finish earlier depending on student choices related to exams



Your QTEM experience

Selecting your analytical courses

- All courses accessible to QTEM incoming students are available on the QTEM website
- Courses can be easily filtered by University, Module, Semester and Academic Year

Keywords
Type your keywords here

Module
Select module...

University
Select university...

Semester
Choose semester...

Academic Year
2017-2018

SEARCH COURSES

[Rule for course selection](#)

Reminder of the rules
can be founded here

- Each course has a quantitative rating: “highly quantitative” or “semi-quantitative” or “non quantitative”
 - **Quantitative courses** are those rated “highly quantitative” or “semi-quantitative”
- Each course is assigned to at least one module

Your QTEM experience

How many quantitative courses to be taken?

- 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
 - A minimum of **22** QTEM credits of quantitative courses **on average per QTEM exchange** should be successfully completed
- 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.



* Including credits taken at home and during all **QTEM exchanges** but excluding credits from the Master's thesis, if applicable.

Your QTEM experience

The QTEM Modules

Each student has the opportunity to specialize in a minimum one QTEM Module (ad home university and/or when on exchange). A QTEM Module consists of a minimum of 20 ECTS of courses within a given specialization area.

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



This sub-division is only to help students to better understand the content of the courses, the 20 ECTS needs to be reach in one QTEM Modules, not in QTEM Sub-Modules.

* Information accessible on-line on www.qtem.org.

** Residual category (cannot become a QTEM Module on the QTEM Degree).

The Analytical Internship

Depending on the track chosen, students need to find a long-term or short-term quantitative internship:

Short-term QTEM internship

- Covers a period of minimum 300 man-hours full-time equivalent
- The timing at the discretion of each QTEM Participant, however the internship must contain at least two consecutive weeks. Can be done during or after the master.
- The minimum duration can be achieved through more than one internship
- Only the internship time done by the student after the start of the Masters will be considered
- QTEM students can choose to validate an internship / job done after the completion of the QTEM Master, provided the internship / job fulfills all the conditions of the QTEM internship
- Can be done at home or abroad
- Does not necessarily bear ECTS credits
- Must be related to a quantitative topic and have a significant analytical content

Long-term QTEM internship

- Covers a period of minimum 600 man-hours, full-time 7.2.1.1. The minimum duration can be achieved through more than one internship
- Must be validated during the Master
- Must be done abroad
- Bears the same minimum requirements as the (short-term) QTEM internship (e.g., quantitative content)

Your QTEM experience

The QTEM DATA CHALLENGE

This yearly, global competition has international teams of QTEM students around the globe work with real information provided by Corporate Partners.

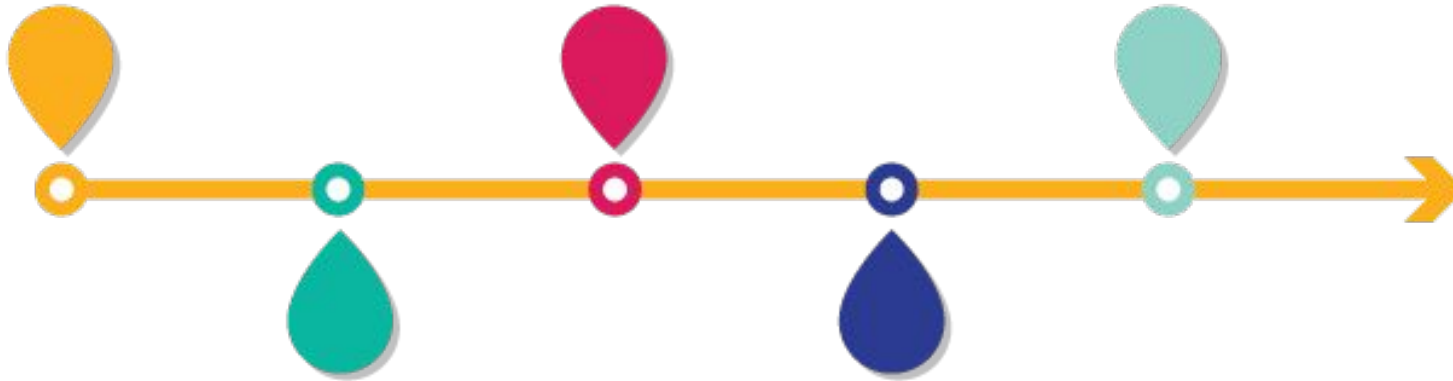


- International teams of 3 QTEM students analyze real word data and present the results to a jury of academic and corporate experts.
- Work with your QTEM classmates around the world for the chance to win great prizes. You and your team will gain visibility towards top companies that will be part of the jury.
- You will have the opportunity to learn analytical tools used in a corporate environment while doing a fun project.



Joining us

The application process and selection timeline



EXAMPLE:

- February, 20 Deadline to submit application for Fall semester exchange
 - April, 20 Deadline to submit GMAT/GRE test score
 - June Final list of QTEM candidates is confirmed
 - September The first QTEM exchanges begins.
-
- June, 20 Deadline to submit application for Spring semester exchange
 - August, 20 Deadline to submit GMAT/GRE test score
 - October Final list of QTEM candidates is confirmed
 - January The first QTEM exchanges begins

Joining us

HSE St.Petersburg QTEM contacts



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Any questions?



Thanks!
Your QTEM experience starts today