

# QTEM

INFO SESSION

## Why Join the QTEM Masters Network?

“Using analytics to  
create a better world”



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



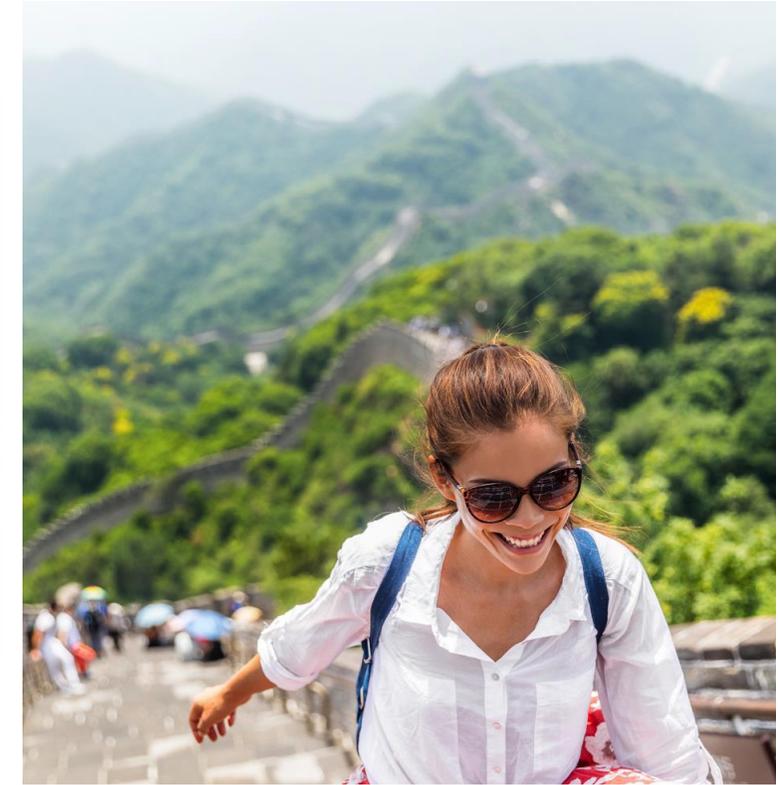
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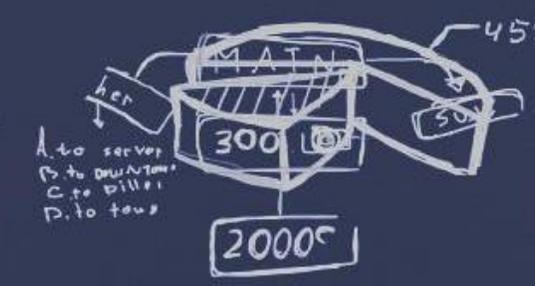
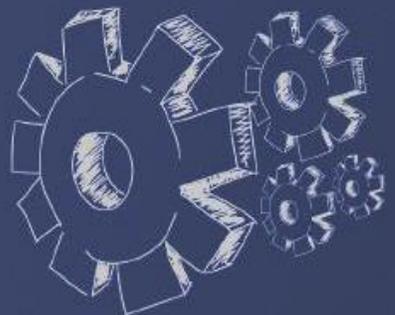
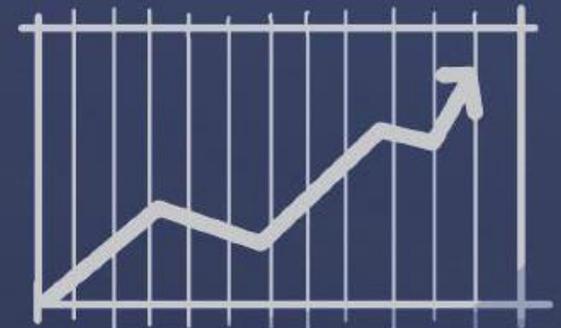
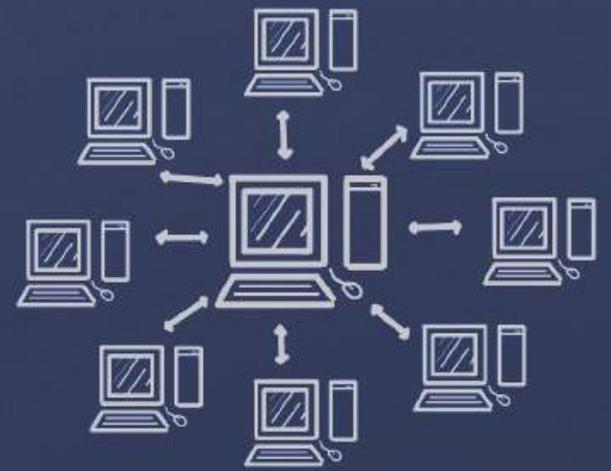
# +

Your skill set is expanded  
in **two<sup>+</sup> countries**



# You live and study abroad





**TEAM**



you gain  
quantitative and analytical  
training



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**

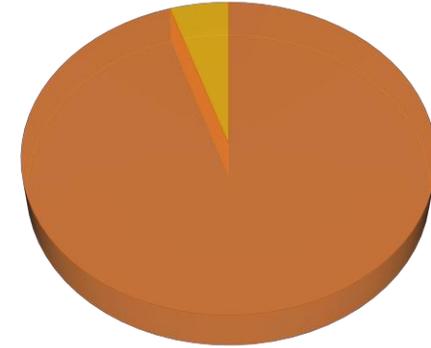
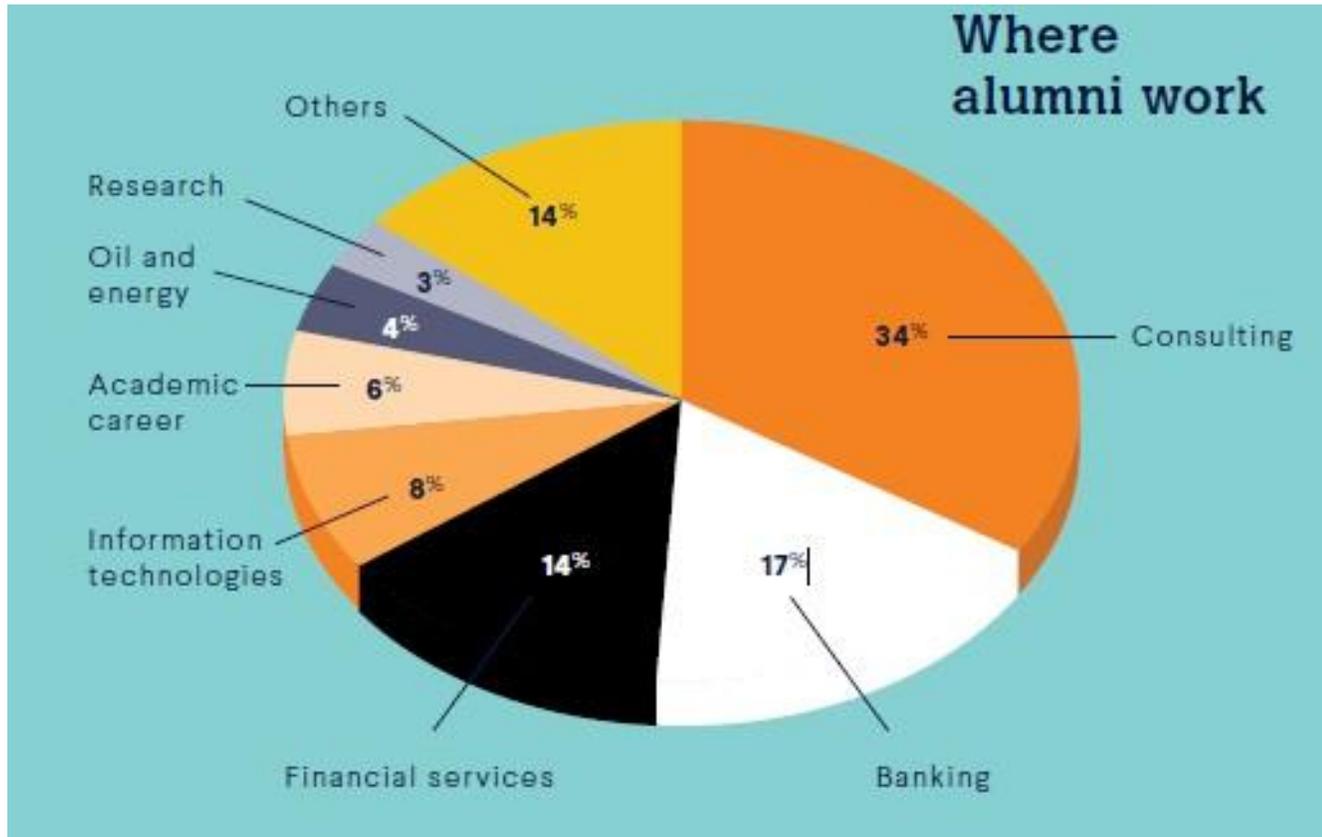


**VOLKSWAGEN**  
GROUP ITALIA S.P.A.

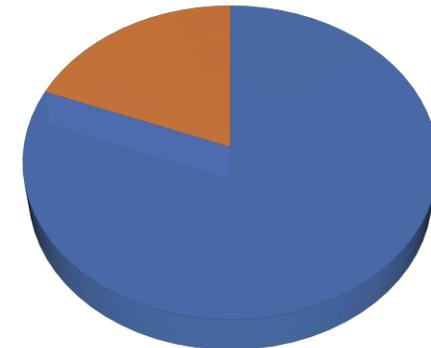
## Why join QTEM?

### 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**



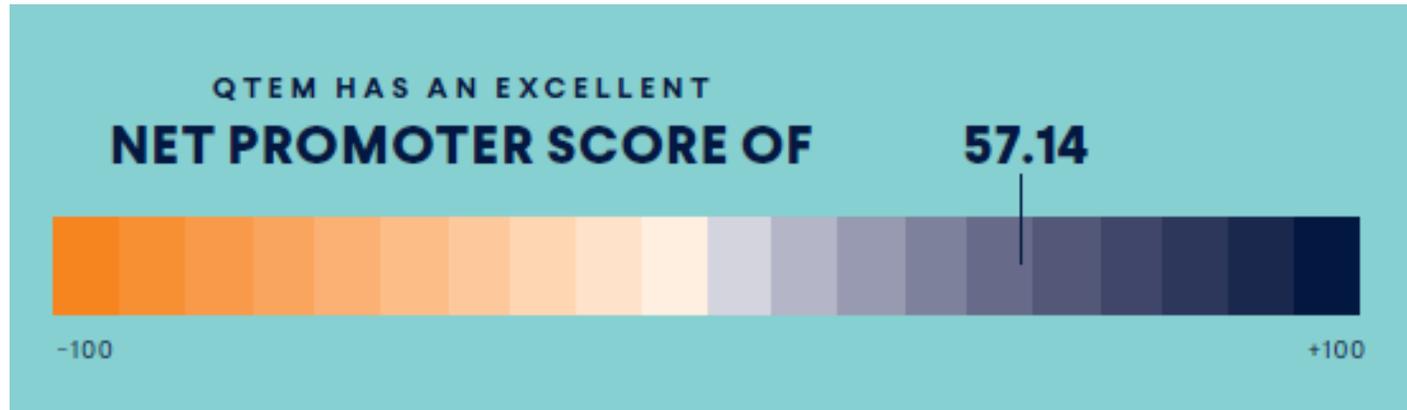
**81% of alumni respondents work at large companies\***  
(\*more than 250 employees)

## 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  
+ 3 exceptions  
below 600



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



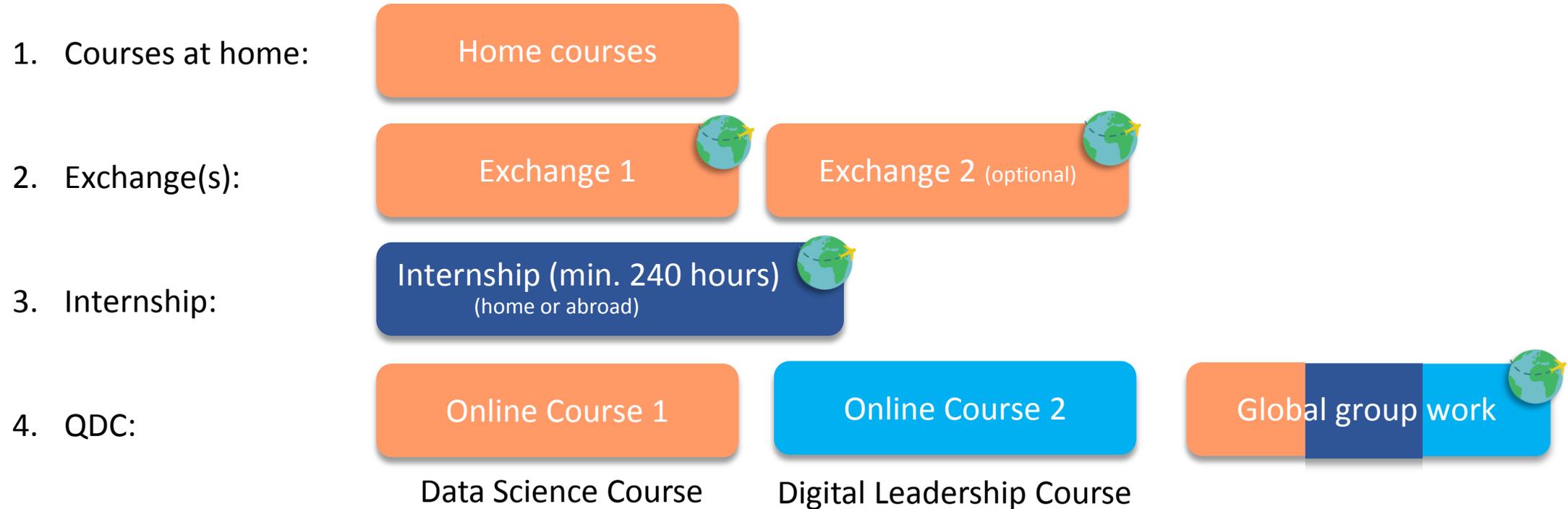
**International**  
2+ countries



**Professional Experience**  
min. 1.5 months  
FTE

**+ Digital leadership  
QDC**

## The components of the program



Educational dimensions:



Analytics learning



Digital leadership



Professional experience



International experience

Each student needs to complete the [QTEM Data Challenge \(QDC\)](#)

The QDC is:

- **Two online courses:**
  1. Data science course:
    - At the end of the course, students should be able to use and manipulate large databases (preferably with python and/or R) to create new knowledge. It includes acquiring, cleaning, analyzing and communicating data.
  2. Digital leadership course:
    - At the end of this course, students should be prepared to collaborate in global, distant and multicultural teams. Students should also be aware of the challenges and opportunities of collaborating in a digital world.

**Followed by:**

- **A global group work project:** Students in international teams of 3 QTEM students work remotely to provide creative solutions and recommendations to a company by analysing exclusive data provided by the company.

## The QTEM Track

QTEM track		New structure
International semesters	# previous international semesters	-
	# QTEM exchange	1 or 2
Professional internship		1 (min 240 hours)
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) + 3 exceptions allowed
QDC		Compulsory (2 online courses + global group work)

## 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

### 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

# 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*)
<b>1. Finance and Risk Management</b>	<ol style="list-style-type: none"> <li>1) Controlling &amp; Accounting</li> <li>2) Finance - Actuarial Sciences</li> <li>3) Finance - Banking and Management of Financial Institutions</li> <li>4) Finance - Corporate Finance</li> <li>5) Finance - Financial Markets and Derivatives</li> <li>6) Risk Management</li> </ol>
<b>2. Applied Economics and Public Policy</b>	<ol style="list-style-type: none"> <li>1) Microeconomics, Contract &amp; Auction Theory</li> <li>2) Policy-Making, Regulation and Pricing</li> <li>3) Tax Management and International Optimization Strategies</li> <li>4) Macroeconomic Models and Forecasting, Computational Economics</li> </ol>
<b>3. Innovation and Strategy</b>	<ol style="list-style-type: none"> <li>1) Entrepreneurship</li> <li>2) Strategy; Industrial Organization; Applied Game Theory</li> </ol>
<b>4. Marketing and Supply Chain</b>	<ol style="list-style-type: none"> <li>1) Marketing and Sales</li> <li>2) Supply Chain, Operations and Logistics Management</li> </ol>
<b>5. Business Intelligence and Big Data</b>	<ol style="list-style-type: none"> <li>1) Quantitative Techniques &amp; Tools</li> <li>2) Business Intelligence</li> </ol>
<b>Others**</b>	<ol style="list-style-type: none"> <li>1) Society and Culture</li> </ol>



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

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

## Your QTEM experience

# The selection process at National Research University Higher School of Economics

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

- Master in Marketing
- Master in Business Development Strategies: Management and Consulting
- Master in Project Management: Project Analysis, Investments, and Implementation Technologies
- Master in Big Data Systems
- Master in Strategic Management in Logistics



NATIONAL RESEARCH  
UNIVERSITY

## GMAT is a compulsory entry pre-requirement:

**≥ 650** student meets the common acceptance pre-requisite for QTEM student  
**600 < 650\*** can be considered for QTEM if she/he has an exceptional file



## Example: Overall selection criteria (assessed by each Partner)

- Academic excellence (must have)
- English proficiency (must have)
- Quantitative proficiency (must have)
- International experience (plus)
- Professional / extra-academic experience (plus)

**Participation in the program does not require additional fees for studying at QTEM partner universities. Students pay for travel and accommodation expenses by obtaining a visa (if required by the host country).**

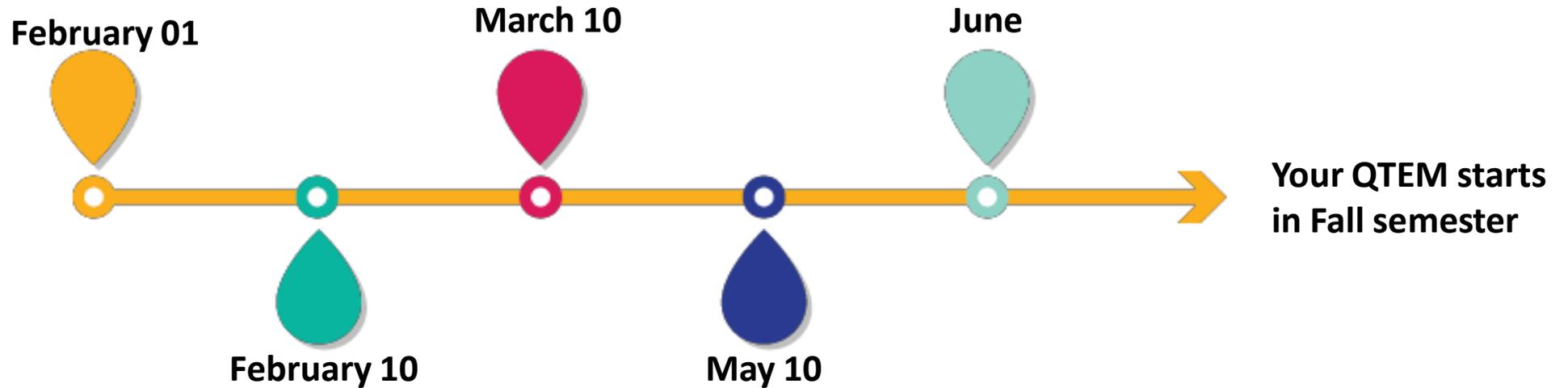
## The components of the program

Example B: 2-year Master with 1 exchange + 1 internship (part of the home Master program) + QDC

Minimum 50% quantitative credits (ECTS)					
	TERM 1	TERM 2	TERM 3	TERM 4	G R A D U A T I O N
<b>Courses at home + exchange + internship:</b>	Home	Home	Exchange	Internship (home or abroad)	
	+				
<b>QDC:</b>		Online course 1	Online course 2	Global group work	

## Joining us

# The application process and selection timeline at **National Research University Higher School of Economics**



## The specific application processes and deadlines to apply to QTEM

### To start from Spring semester:

- February 01      Deadline to submit application
- February 10      Selection of QTEM applicants
- March 10        QTEM pre-selected candidates are announced
- May 10          Deadline to submit GMAT/GRE test score
- June              Final list of QTEM candidates is confirmed



# Thanks!

Your QTEM experience starts today

