Academic cooperation
- France: University of Bordeaux (UBx).
- China: Xiamen University (XMU).

Level
Double Master degree in Mathematics.

Program duration
1 year (60 ECTS).

Program factsheet

Admission requirements
Candidates must fulfill the following requirements:
- Have successfully completed the first year of a Master degree in Mathematics at the University of Bordeaux or Xiamen University.

Language requirements
English: certifiable equivalent of IELTS score of 6.0.

Tuition fees
Students only pay registration fees at their home university.

Program outline
The program MathBoX promotes academic cooperation between France and China in the domain of fundamental and applied mathematics.

Students from the University of Bordeaux and Xiamen University complete the first year of their Master at their home university and the second year at the partner university.

They choose one specialty topic from a choice of five proposed by UBx and four proposed by XMU.

Upon successful completion of their exams and the Master thesis, students are awarded a Master degree from both universities.

The MathBoX program prepares students for further studies and research within the framework of a PhD in various fields of mathematics. It also equips students with highly sought-after skills and expertise to help with finding a job within the industrial sector or public organizations.
Program structure

With the first year of the Master program, students choose one of the Master specialities at their home university. For the second year of the Master program, they move to the partner university and pursue their studies with a corresponding specialty.

The MathBoX curriculum features advanced courses and a research project that leads to a Master thesis.

Students must have successfully completed the first year of their Master program before starting their mobility period in the partner university.

The Master specialities at UBx and XMU are listed below.

<table>
<thead>
<tr>
<th>University of Bordeaux</th>
<th>Xiamen University</th>
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<tbody>
<tr>
<td><strong>Master / Year 2 specialties:</strong></td>
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<tr>
<td>› Algebra, Geometry and Number Theory (ALGANT European Mundus Master program)</td>
<td>› Fundamental Mathematics</td>
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<tr>
<td>› Analysis, PDE, Probabilities</td>
<td>› Computational Mathematics</td>
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<tr>
<td>› Modelling for Signal and Imaging</td>
<td>› Probability Theory and Mathematical Statistic</td>
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<tr>
<td>› Modelling and Dynamics of Oceans</td>
<td>› Applied Mathematics</td>
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<tr>
<td>› Computer Simulation and High Performance Computing</td>
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Strengths

› A large range of courses in various mainstream fields in fundamental and applied mathematics, taught by academic experts.
› Top level research and educational environment provided by both universities.
› A mobility year which enables students to discover a different culture, meet fellow mathematicians from afar and collaborate on an international level.
› Students are closely followed by the teaching and administrative staff.
› The Master program is supported by the International Master program of the Bordeaux Initiative of Excellence Program.
› UBx students may apply for a scholarship of up to 750€ per month for nine months. XMU students may apply for specific financial support from their university.

How to apply?

Please contact the coordinators (see below).

› Please note: the total number of students enrolled in the program is limited to eight per year.

And after?

Students who successfully complete the MathBoX program may apply for a PhD program at the University of Bordeaux (with the CSC joint program for Chinese students) and start a research career.

This degree also offers numerous opportunities to work in the industrial sector, government agencies, etc.

Contacts

**Coordinator in Bordeaux:**
› Qing Liu: qing.liu@u-bordeaux.fr

**Coordinator in Xiamen:**
› Chuanju Xu: cjxu@xmu.edu.cn

More information:

www.u-bordeaux.com