

Admission to Mathematics and Big Data Program

I. Introduction

World scientific and technological revolution put forward higher requirements for the mathematical competency of talents. On May in 2020, School of Mathematics, Tianjin University, will launch **Mathematics and Big Data Program**, based on the ASEAN oriented countries and regions along The Belt and Road. It will last three months. The program includes basic theoretical study and practical application on the topic of mathematics and data science, as well as the courses involve Chinese learning and Chinese cultural experience.

The program is for the students, teachers, technicians and administrative staff who engage in education, computer, internet, intelligent manufacturing, marine science, biotechnology and other fields. It will effectively consolidate mathematics knowledge in data science, deepen understanding of big data technology and cultivate mathematical thoughts. It will also promote the collaboration of China-ASEAN in science, technology, education and culture.

An international visitor who completes the program as expected will be awarded certificate.

II. Core Course

Probability Theory, Statistics, Matrix Theory, Algebra, Optimization, Artificial Intelligence, Smart Monitoring, Cloud Computing, Text Mining, Image Processing, etc.
(According to the courses assignment)

III. Qualification of applicants

1. Applicants should be a citizen of a country other than the People's Republic of China;
2. Be in good health;
3. Be over the age of 18 and under the age of 45.;
4. Education:
 - Undergraduates of any major, applicants in mathematics and physics are preferable.
 - Postgraduates of any major, applicants in major other than mathematics and physics are preferable.
 - Faculty, officer or staff with a Bachelor degree of any major.
5. Language requirements: TOEFL 80/IELTS 6.0 or equivalent English ability, able to perform in academic environments.

III. Application Period and Registration Date

Program Duration: May to July

Application Period: Jan, 15th-Mar 15th

Registration dates: May 6th, 7th, 8th

(According to the Admission Notice)

IV. How to apply

The applicants must fill in and submit the following application materials according to the facts.

1. Provide basic information through the link <https://jinshuju.net/f/jDoC1A> first.
2. Go to the online application portal at <http://tju.at0086.cn/student>.
3. Register and choose Self-Sponsored.
4. Choose the General Scholar.
5. Please choose the **Mathematics and Big Data Program held by School of Mathematics**.
6. Fill in your application information.
7. Upload all the required materials.

Make sure that you scan all your original materials clearly.

V. Application materials

1. Highest diploma.

Diploma in languages other than Chinese or English must be attached with notarized translations in Chinese or English, and the original must also be submitted.

2. Academic transcripts.

Transcripts in languages other than Chinese or English must be attached with notarized translations in Chinese or English, the original must also be submitted.

3. If the applicant is a student, **an official study proof** must be submitted with the application.

If the applicant is employed, **an official employment proof** is must be submitted.

4. Photocopy of your **valid passport**.

5. A study plan (around 800 words written in English or Chinese).

VI. Admission

1. The application will not be processed if it is inconsistent with the recruitment requirements or the materials are incomplete.

2. We will review all the application material, and admission is based on merit. We will send the Admission Notice to the final successful applicants.

VII. Completion

Students who have completed the program will be awarded a completion certificate.

VIII. Fees (RMB)

1. The tuition waiver.

2. The accommodation will be arranged and covered by School of Mathematics.

3. The applicants need to pay for the registration fee 420RMB upon registration.

4. The applicants need to pay for the insurance fee 400RMB upon registration.

5. Other fees such as round-trip flight fee should be paid by applicants themselves.

IX. Contact

Address: International Admissions office (Room 216 in No.10 Building), School of International Education, Tianjin University

No.92, Weijin Road, Nankai District, Tianjin, China

Zip code: 300072

Tel: 0086-22-27406691

Fax: 0086-22-27406147

E-mail: iso@tju.edu.cn

Website: <http://sie.tju.edu.cn/>, www.tju.edu.cn

School of Mathematics, Tianjin University

Contact: Zhao Yacong

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Website: <http://maths.tju.edu.cn/English/>

数学与大数据能力提升研修班

招生简章

一、项目介绍

世界科技革命产业变革新趋势对人才的数学素养提出了更高的要求。2020年5月，天津大学数学学院将面向以东盟为主的“一带一路”国家或地区，开展数学与大数据能力提升研修班，为期三个月。课程包括以数学、数据科学为主题的基础理论学习和实践应用，同时包含汉语学习、中国文化体验等活动。

项目将帮助从事教育教学、计算机、互联网、智能制造、海洋科学、生物技术等领域的教师、学生、技术人员或行政官员，巩固数学与数据科学知识，加深对大数据技术的理解，培养数学思维，深化我国与以东盟为主的“一带一路”沿线国家的科技、教育和文化合作。

按规定完成“一带一路”数学创新能力提升培训项目要求的，可授予进修证书。

二、核心课程

概率论、统计学、线性代数、矩阵论、最优化理论与方法、人工智能、智能监测、云计算、文本挖掘、图像处理等。（以实际课程安排为准）

三、申请人资格

1. 非中国籍公民，身体健康；
2. 申请人的学历和专业要求：

申请者应为“一带一路”高等学校在学学生、在职教师，或其他单位具有相当于大学本科毕业的学历级以上的在职人员，年龄为18-45周岁。高等学校在学学生，本科生以数学、物理专业优先，研究生以非数学、非物理专业优先。高等学校在职教师和其他单位在职人员不限专业。

3. 语言能力要求：托福80/雅思6.0或同等能力英语水平，能适应英语教学及日常沟通。

四、申请期限和入学时间

项目时间：5月到7月

申请时间：1月15日到3月15日

注册时间：5月6日、7日、8日。

（具体时间以《录取通知书》为准）

五、申请方式

申请者必须实事求是填写和提交所有申请材料。

1. 点击链接 <https://jinshuju.net/f/jDoC1A> 填写基本信息
2. 找到天津大学在线申请网站 <http://tju.at0086.cn/student>。
3. 注册并且选择自费。
4. 选择申请普通进修生。
5. 请选择数学学院数学与大数据能力提升研修班。
6. 填写在线申请信息。
7. 上传所有的申请材料。

确保上传所有材料原件的清晰扫描图片。

六、申请材料

1. 最高学历证明扫描件。
中英文以外文本需附上公证的中文或英文的译文。
2. 学习成绩单扫描件。

中英文以外文本需附上公证的中文或英文的译文。

3. 正在读大学的学生需提供在学证明；在职者需提供在职证明。
4. 护照扫描件（有照片页）。
5. 留学计划书（中文或英文书写）。

七、录取及通知

申请人提交材料后，由所报考学院进行资格审核，通过者予以录取。对于被录取者，将发给《录取通知书》。

八、结业

完成此项目的学生，按规定颁发结业证。

九、费用标准

1. 学费减免。
2. 数学学院为申请人安排住宿并提供住宿费。
3. 数学学院为申请人安排用餐并提供伙食费。
4. 申请人注册报到时需交注册费 420 元。
5. 申请人注册报到时需交保险费 400 元。
6. 其他费用，如往返机票等申请人自理。

十、联系方式

天津大学国际教育学院外国留学生招生办公室

中国天津市南开区卫津路 92 号天津大学第 10 教学楼 216 南

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中国天津市海河教育园区雅观路 135 号天津大学 32 楼 A305

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