

PROGRAMME OVERVIEW

DEGREE PROGRAMME

MSc Financial Computing

AWARDING INSTITUTION
University of Liverpool, UK
The full-time programme is also recognised by the Chinese Ministry of Education.

TUITION FEE
RMB 90,000

PROGRAMME DURATION
18 months, full time

SCHOLARSHIPS
Scholarships of up to 50% are available for our full-time programmes. For details, please visit:
www.xjtlu.edu.cn/en/study-with-us/admissions/scholarships

ALUMNI DISCOUNT
If you are a graduate of XJTLU, the University of Liverpool or Xi'an Jiaotong University, you will automatically receive a discount of 20% of the tuition fee.

ENTRY REQUIREMENTS

UNDERGRADUATE BACKGROUND
An undergraduate degree (UK 2:1 or equivalent) in a relevant area such as computer science, finance and investment, information systems, e-business and mathematics, with some programming and program design experience.

UK
Upper second class (2:1) honours

CHINA
1st tier universities: 75% or above
2nd tier universities: 80% or above
Chinese applicants are not required to take the Ministry of Education postgraduate entrance exam.

NORTH AMERICA
3.0 Cumulative GPA (out of 4) or
3.2 Cumulative GPA in the final two years of your undergraduate programme

OTHER REGIONS
Equivalent academic qualifications

ENGLISH REQUIREMENTS
IELTS: 6.0 (minimum of 5.0 in all sections) / TOEFL iBT: 80

If you miss the English language requirements by 0.5-1.0 of an IELTS band, or a similar number for other English language exams, you can be admitted to the programme after successful completion of our four- or six-week intensive English preessional course.

The University reserves the right to modify programmes at any time in response to unforeseen circumstances, feedback and review. The University also reserves the right to not offer programmes with low enrolments. For the latest information, please visit our website.

HOW TO APPLY

PREPARING TO APPLY

Make sure you have prepared the following documents to upload onto the application system. Documents required for application include:

- Certificates of education qualifications and transcripts, translated into English
- Personal statement
- Two letters of reference
- Certificates of English language qualifications such as IELTS, TOEFL or other acceptable English qualifications (where required)
- Scholarship statement (if applying for the XJTLU scholarship)

We reserve the right to request additional documents or an interview to assess your academic qualifications.

APPLY ONLINE

All applicants should apply via our online application system:

1. Choose your programme from www.xjtlu.edu.cn/en/find-a-programme
2. Click/tap 'Apply' on the programme page
3. Create an account or log in to your existing account
4. Complete your application.

Upload the required documents (mentioned above) to the corresponding fields. You may log-in to view your application form at any time and upload any remaining supporting documents.

After submitting your application successfully, you will receive an acknowledgement email from pgadmissions@xjtlu.edu.cn. If you do not receive the confirmation email or experience any difficulties during the online application process, please send us an email with specific details of the problem.

www.xjtlu.edu.cn/en/study-with-us/admissions/how-to-apply

APPLICATION DEADLINES

- 30 June 2018 (International applicants)
- 31 July 2018 (Mainland China applicants)

MSc

FINANCIAL COMPUTING

金融计算硕士

金融计算硕士

随着计算机技术的快速发展, 金融服务业对IT人才的需求不断上升。本专业顺应市场需求, 向学生传授计算机及金融方面的知识与技能, 使其能够提出有效的业务解决方案, 将学生培养为掌握计算技术和金融知识的新型跨学科高级技术或管理人才。

该专业毕业生, 与所有西交利物浦大学硕士学位一样, 将获得由中国教育部认可的利物浦大学学位。

毕业生将获得:

- 适用于工业和研究领域的金融及计算机重点理论和实践知识;
- 金融领域的最新技术和应用知识, 如大数据和业务分析;
- 金融计算中的研究、分析、实施、技术或研究文件的评估等方面的实用技能。

课程

核心课程

研究方法

数据挖掘及大数据分析/数据库和数据管理/机器学习与数据挖掘

会计及金融管理/高级衍生工具

硕士论文

选修课程

云计算

计算机系统安全

交互系统

机器学习

面向对象的编程

软件设计

另类投资及策略

高级公司财务

高级投资管理

国际金融与经济



扫描二维码
获取更多专业信息

专业负责人
andrew.abel@xjtlu.edu.cn

咨询邮箱
pgenquiries@xjtlu.edu.cn

在线申请
www.xjtlu.edu.cn/zh/find-a-programme/
masters/msc-financial-computing

MSc FINANCIAL COMPUTING

With the rapid advancement of computing technology, there is an increasing demand in the dynamic and challenging environment of financial services for a variety of technological talent to deliver business solutions on a global scale.

The MSc Financial Computing programme addresses market demand and will train you for advanced technical or managerial roles in new interdisciplinary areas of computational techniques and equip you with financial knowledge to deliver effective business solutions.

The Department of Computer Science and Software Engineering is equipped with specialist lab facilities for operating systems, networking, mobile computing and multimedia technology that will support your learning and research.

Graduates of this programme, as with all XJTLU masters degrees, earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.



SCAN THE QR CODE
TO VISIT THE
PROGRAMME
WEBSITE

PROGRAMME DIRECTOR
andrew.abel@xjtlu.edu.cn

GENERAL ENQUIRIES
pgenquiries@xjtlu.edu.cn

APPLY
www.xjtlu.edu.cn/en/find-a-programme/
masters/msc-financial-computing

MODULES

You will undertake eight modules in the first two semesters and a dissertation project in the third semester for a total duration of 18 months. You will choose these modules based on the subject area of your first degree, such as computing, finance or other fields. The precise content of your dissertation project will be discussed and decided with your project supervisor and is subject to approval.

CORE MODULES

RESEARCH METHODS

DATA MINING AND BIG DATA ANALYTICS/

DATABASES AND DATA MANAGEMENT/

DATA MINING AND MACHINE LEARNING

ACCOUNTING AND FINANCIAL

MANAGEMENT/ADVANCED DERIVATIVES

DISSERTATION

ELECTIVE MODULES

CLOUD COMPUTING

COMPUTER SYSTEMS SECURITY

INTERACTIVE SYSTEMS

MACHINE LEARNING

OBJECT-ORIENTED PROGRAMMING

SOFTWARE ARCHITECTURE

ADVANCED CORPORATE FINANCE

ADVANCED INVESTMENTS

ALTERNATIVE INVESTMENTS AND

STRATEGIES

INTERNATIONAL FINANCE AND

ECONOMICS

ADDITIONAL LEARNING ACTIVITIES

The completion of additional learning activities is required to obtain your masters degree. Normally, required ALA hours will be distributed evenly across each semester, amounting to 200 hours per semester. Part-time programmes will normally require 100 to 150 hours per semester.

KNOWLEDGE AND SKILLS

By studying MSc Financial Computing, you will gain:

- theoretical and practical knowledge of key areas of finance and computing in both industry and research
- knowledge of the latest technology and applications for the finance industry, such as big data and business analytics
- practical skills in research, analysis, realisation and evaluation of technical or research documents in financial computing.

CAREERS

MSc Financial Computing graduates can find employment as software engineers, database specialists, infrastructure managers, financial analysts, financial consultants, business analysts, system analysts, investment analysts, e-finance architects, credit managers, portfolio managers, business intelligence executives, wealth services officers, and risk management auditors amongst others.



Professor Yue has worked for over 30 years in both industry and academia. His research interests include computer graphics, CAD/CAM, robotics, operations research and optimisations. He has led a considerable number of research and professional projects supported by major funding bodies and industry, with collaborative links in more than 10 countries. He has over 160 peer-reviewed international publications and has supervised 10 PhD students to completion. He is currently Associate Editor for the International Journal of Computer Applications in Technology and the International Journal of Distributed Systems and Technologies.

PROFESSOR YONG YUE
HEAD OF DEPARTMENT
COMPUTER SCIENCE AND SOFTWARE ENGINEERING

XJTLU

MASTERS

DEPARTMENT OF COMPUTER SCIENCE AND SOFTWARE ENGINEERING 计算机科学与软件工程系

Our department delivers an exciting range of programmes, and many of our graduates take further studies at world-leading institutions or start their careers with prestigious employers. Our highly qualified staff members have a diverse range of international experience in teaching, research and working with industry, which benefits our students in enhancing their learning experience and employability. We are active in research and business interaction and have funding support from various international, national and local sources, such as the European Union, the National Natural Science Foundation of China and industry.

计算机科学与软件工程系进行本科及研究生课程教学, 毕业生多在世界领先研究机构继续深造或在知名企业任职。我系师资队伍优秀, 拥有在国际化的环境中进行教学、研究及工作的丰富经验, 有助于优化教学品质, 提高学生的就业能力。我们积极开展研究, 与企业互动, 已从如欧盟, 中国国家自然科学基金和多个企业等国外、国内及当地渠道获得资金支持。我们热衷于与企业合作以更好地服务社会、强化专业。

XI'AN JIAOTONG- LIVERPOOL UNIVERSITY 西交利物浦大学

Xi'an Jiaotong-Liverpool University is the largest international joint venture university in China, combining the best of East and West, awarding English-taught University of Liverpool degrees.