PROGRAMME OVERVIEW

DEGREE PROGRAMME
MSc Applied Informatics

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 information and computing science, information and management systems, or related fields such as engineering or finance.

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 presessional 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 APPLIED INFORMATICS

应用信息学硕士

应用信息学硕士

本专业旨在培养学生成为计算机系统领域，例如财务信息、信息系统、电信学等方面的高端技术或管理人才。

毕业生将获得经中国教育部认可的利物浦大学硕士学位。

毕业生将获得

本专业旨在拓展学生以下方面的知识与技能：

- 当今计算机行业中科技和商业方面的重要理论和实践知识；
- 对IT系统的研究、分析、实现和评估的实践技能，包括撰写技术或研究文件的技能；
- 各类技能，并将关键技能应用于管理与设计，以IT技术为依托，解决应用领域中的实用问题 。

课程

学生攻读4门核心课程及硕士论文课题和3门选修课程。3门选修课程可从金融数学、远程通讯、交互系统、社会计算、信息安全及编程等课程中选择。

核心课程

数据挖掘和大数据分析
项目管理
研究方法
软件架构
硕士论文

选修课程

财务计算方法
计算机系统安全
图像和视频处理
交互系统
移动通信
面向对象编程
社会网络分析
社会网络编程

附加学习活动是完成研究生学业、获得学位的组成部分。附加学习活动的学时会平均分配在学期期间，一般为每学期200小时。非全日制硕士课程的附加学习活动一般为每学期100到150小时。

扫描二维码
获取更多专业信息

专业负责人
p.craig@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-applied-informatics

就业

本专业毕业生可担任IT部门的系统分析师/管理人员、软件工程师、应用系统设计师/开发商、项目负责人等。学生亦可选择继续攻读博士学位。

学位颁发机构

英国利物浦大学
该硕士研究生学位（全日制）获中国教育部认可。

学制

18个月（全日制）

学术背景

- 本一类大学：75%或以上
- 本二类大学：80%或以上
- 注：不需要参加全国研究生入学考试。

本科专业为信息与计算机科学、信息管理系统或其它相关领域，如工程及金融等（英国需二级甲等荣誉学位或以上）。

英语要求

雅思：6.0及以上（且各项成绩均不低于5.0）
托福iBT：80

如果你的IELTS成绩比申请要求低0.5-1.0分之内（TOEFL等其它英语水平测试同理），可以选择参加西交利物浦大学组织的为期4-6周高强度的学前英语课程，成功通过后将获准入学。

费用

90,000元人民币，全日制18个月

奖学金

西交利物浦大学为录取者提供充裕奖学金，优秀学生可获得高达50%的学费优惠。如需申请西交利物浦大学研究生项目奖学金，请在申请材料中附奖学金申请书，并阐明申请优势与获奖理由。

www.xjtlu.edu.cn/zh/study-with-us/admissions/scholarships

2018学年申请截止日期

国际学生：2018年6月30日
中国学生：2018年7月31日

MSc APPLIED INFORMATICS

Computer systems affect every part of our daily lives and are used in every conceivable type of organisation. These systems are highly interdisciplinary with historical roots in mathematics, physics and electronics.

The MSc Applied Informatics programme will train you for advanced technical or managerial roles in computing areas such as finance informatics, information systems or telecommunications.

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.

KNOWLEDGE AND SKILLS

Studying the MSc Applied Informatics programme will equip you with:

- theoretical and practical knowledge of key technological and business areas in today's IT industry and research
- practical skills in research, analysis, realisation and evaluation of IT systems including the write-up of technical or research documents
- key tools enabling you to enhance and apply your skills in management, design and the implementation of IT-based solutions to different application domains.

SCAN THE QR CODE TO VISIT THE PROGRAMME WEBSITE

PROGRAMME DIRECTOR
p.craig@xjtlu.edu.cn

GENERAL ENQUIRIES
pgenquiries@xjtlu.edu.cn

APPLY
www.xjtlu.edu.cn/en/find-a-programme/masters/msc-applied-informatics

MODULES

You will undertake four required modules, a dissertation project and three optional modules from areas such as financial mathematics, telecommunications, interactive systems, social computing or information security.

CORE MODULES

DATA MINING AND BIG DATA ANALYTICS
PROJECT MANAGEMENT
RESEARCH METHODS
SOFTWARE ARCHITECTURES
DISSERTATION

ELECTIVE MODULES

COMPUTATIONAL METHODS IN FINANCE
COMPUTER SYSTEMS SECURITY
IMAGE AND VIDEO PROCESSING
INTERACTIVE SYSTEMS
MOBILE COMMUNICATIONS
OBJECT-ORIENTED PROGRAMMING
SOCIAL NETWORK ANALYSIS
SOCIAL WEB PROGRAMMING

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.

CAREERS

MSc Applied Informatics graduates will find employment in the IT sector as systems analysts, managers, software engineers, application architects, and developers or project leaders. Some students choose to continue as PhD candidates.

Paul Craig has been a researcher working in the area of Information visualisation for around 10 years. He completed his PhD, studying the use of Animated Information Visualization for the Exploratory analysis of microarray time-course data, with Professor Jessie Kennedy at Edinburgh Napier University in 2006, and has since worked as a research fellow on projects for the National Science Foundation, Scottish enterprise, and the European Community in the areas of taxonomy, bioinformatics and intelligent interfaces.

Dr PAUL CRAIG
PROGRAMME DIRCTOR
MSc APPLIED INFORMATICS

"The whole surroundings of XJTLU are just so international. The beautiful campus environment, warm-hearted professors and serious responses to students' feedback have greatly impressed me."

MELVIN METZGER
STUDENT
MSC APPLIED INFORMATICS

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.