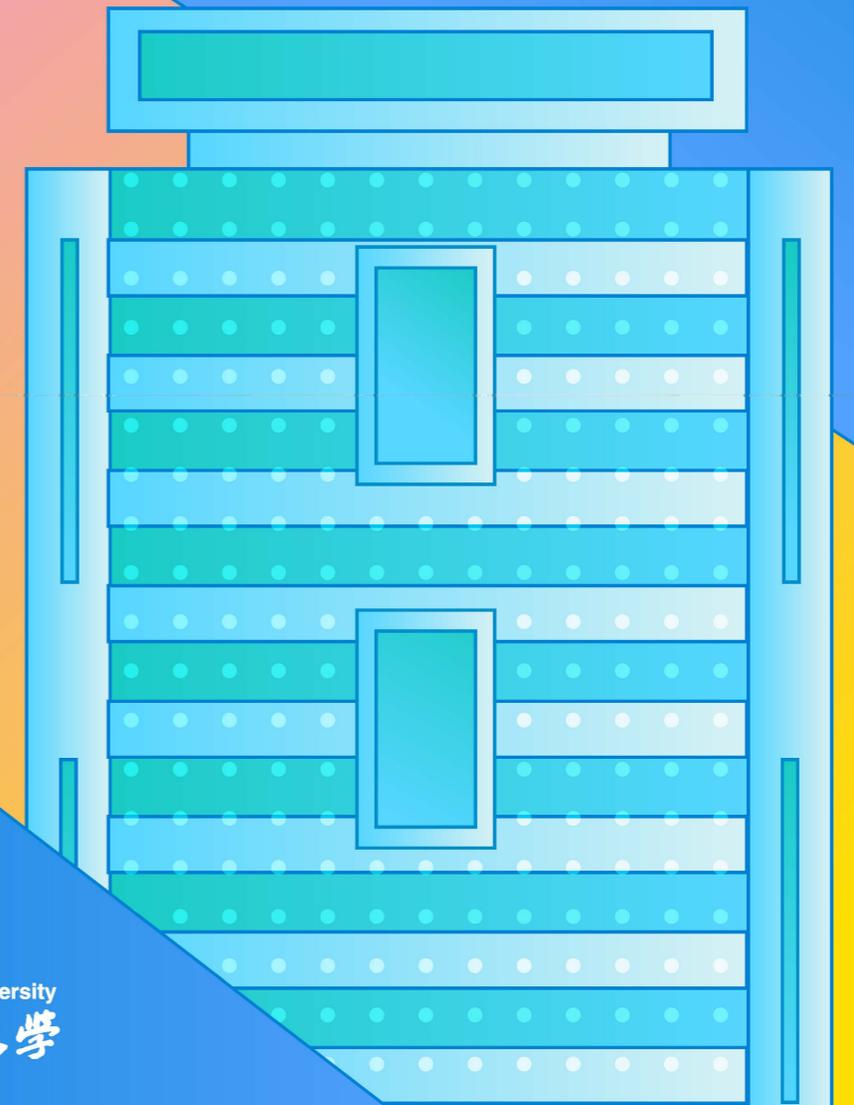


SUZHOU MAP

- SHOPPING & RESTAURANTS
- STUDENT ACCOMMODATION

www.xjtlu.edu.cn
international@xjtlu.edu.cn
 +86(0)512 8816 1889

MASTER'S PROSPECTUS



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MRes
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Sustainable Energy Technology MSc

DESIGN

69-86

Architectural Design MArch
Civil Engineering MSc
Civil Engineering MSc (Part time)
Construction Management MSc
Construction Management MSc (Part time)
Industrial Design MDes
International Professional Practice In Architecture
MSc
Sustainable Construction MSc
Sustainable Construction MSc (Part time)
Urban Planning MSc
Urban Planning (specialisation in Urban Design) MSc

HUMANITIES AND SOCIAL SCIENCES

87-100

Applied Linguistics (with Specialisation in
Multilingualism) MA
China Studies MA
International Business and Global Affairs MA
International Business and Global Affairs MA (Part
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International Relations MA
International Relations MA (Part time)
Media and Communication MSc
TESOL MA

ACADEMY OF FUTURE EDUCATION

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Child Development and Family Education MA
Child Development and Family Education MA (Part
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Global Education MA
Global Education MA (Part time)
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Digital Education MSc (Part-time)

BUSINESS

109-128

Business Analytics MSc
Economics and Finance MSc
Finance MSc
Investment Management MSc
Management MSc
Management MSc (Part time)
Management MRes
Operations and Supply Chain Management MSc
Operations and Supply Chain Management MSc (Part
time)
Professional Accounting MSc
Project Management MSc
Project Management MSc (Part time)

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Environmental Sciences MRes
Molecular Bioscience MRes
Materials Science and Engineering MRes
Bioinformatics MRes

MATHEMATICS AND PHYSICS

141-150

Actuarial Science MSc
Applied Mathematics MSc
Data Science MSc
Financial Mathematics MSc

XJTLU WISDOM LAKE ACADEMY OF PHARMACY

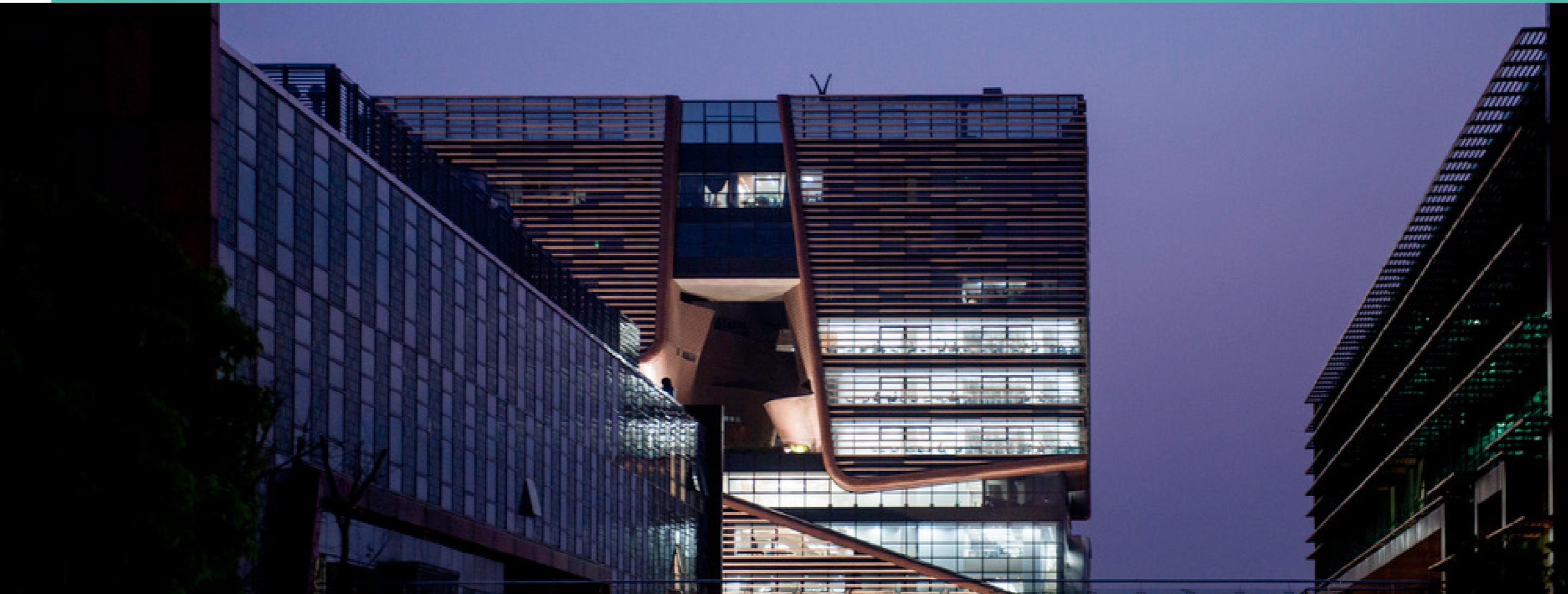
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Medicinal Chemistry MRes
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| Advanced Microelectronic Technology And Materials MRes | |
| Advanced Robotics Systems MSc | |
| Advanced Robotics Systems MSc (Part Time) | |
| Artificial Intelligence MSc | |
| Digital Business MSc | |
| Intelligent Engineering Science & Industrial Operations MSc | |
| Intelligent Engineering Science & Industrial Operations MSc (Part Time) | |

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XI'AN JIAOTONG-LIVERPOOL UNIVERSITY



FIND YOURSELF...

“ WITH A UK DEGREE IN CHINA

You are a future entrepreneur, scientist, architect, engineer, diplomat, researcher, educator or executive in our increasingly global environment.

You have a desire to understand other cultures and become a citizen of the world.

We want you.

At Xi'an Jiaotong-Liverpool University you will find an international community of learners in the heart of China's economic miracle – and opportunities found nowhere else on Earth.

XJTLU will help you develop into a global citizen with the skills, knowledge, abilities, temperament and tenacity to succeed in today's highly competitive and fast-changing world.

We look forward to welcoming you to XJTLU.

XJTLU AT A GLANCE



UK DEGREE FROM THE UNIVERSITY OF LIVERPOOL

Earn a globally recognised master's degree from the University of Liverpool, a member of the Russell Group of leading UK universities.



WORLD-CLASS CAMPUS

State-of-the-art facilities located on a beautifully landscaped campus.



ENGLISH-TAUGHT

The University offers more than 100 degree programmes in the fields of science, engineering, business, finance, architecture, urban planning, language, and culture. All programmes are taught in English.



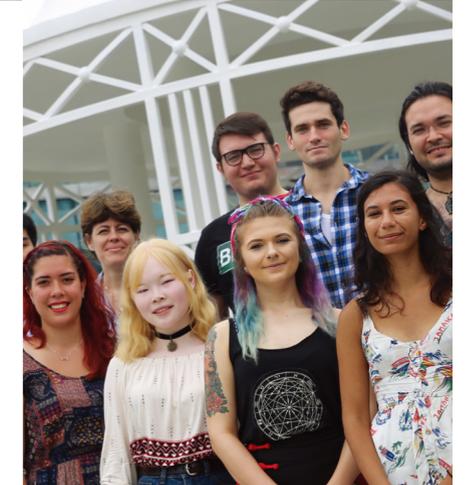
INTERNATIONAL STAFFS

XJTLU upholds the same high standards as world-famous universities in hiring academic staff members. All subject staff have to hold a doctorate degree from a well-known university and have rich teaching and research experience.



GROWING GLOBAL COMMUNITY

26,000+ students and 1,600+ academic staff from 90 countries... and counting!



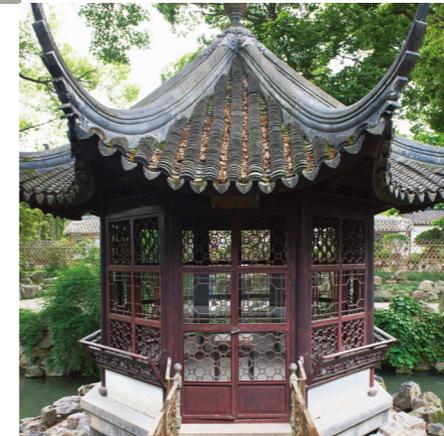
LEARN CHINESE FOR TOP CAREER PROSPECTS

The opportunity to study Chinese language at all levels. Bilingual China experts are highly sought-after in the global job market.



SINO-BRITISH EXCELLENCE

Founded in 2006, XJTLU is the largest international collaborative university in China, combining the best of east and west.



LOCATED IN SUZHOU, CHINA

China's equivalent of Silicon Valley, a hub of global business and innovation just 25 minutes from Shanghai, sits alongside stunning 2,500 year-old UNESCO World Heritage gardens.

WHY XJTU?

Xi'an Jiaotong-Liverpool University is a pioneering, international joint venture university. We are proud of our focus on research-led learning inherited from our two co-founding institutions: the University of Liverpool and Xi'an Jiaotong University.

ENGLISH LANGUAGE ENVIRONMENT ON CAMPUS

All degree programmes are taught 100 percent in English, making it easy to access your China experience while continuing your course of study.

MIX OF SUBJECTS ACROSS STEM, HUMANITIES AND SOCIAL SCIENCES

Study sciences, technology, engineering, mathematics, design and planning, architecture, public health, language and culture, China studies, business, finance, media and communications.

WORLD-CLASS CAMPUS

State-of-the-art facilities are located on a beautifully landscaped campus.

UK QUALITY ASSURANCE

XJTU programmes are accredited and moderated by the University of Liverpool. With degree programmes across many subject areas, plus the China context, you're able to make the most of your academic experience abroad.

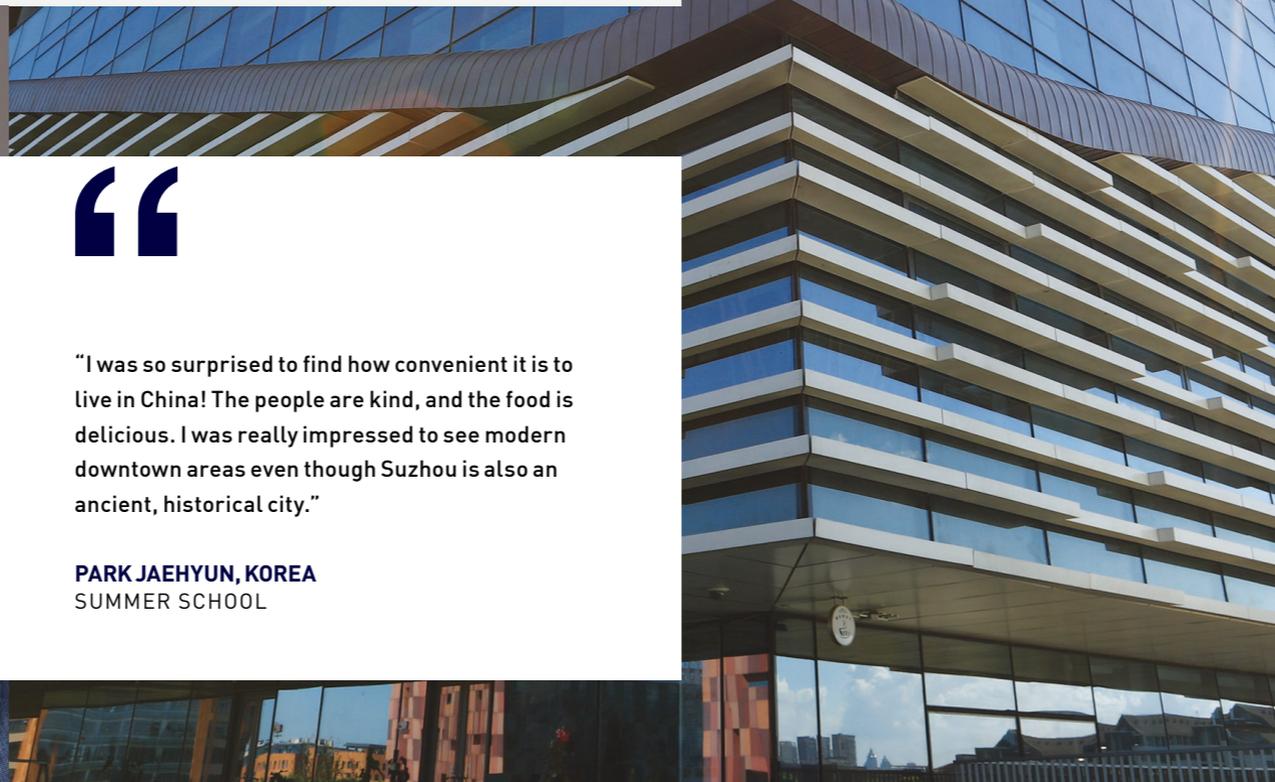
LEARN A NEW LANGUAGE

Alongside your degree, all international students can study Mandarin Chinese and are encouraged to pass HSK tests at the Suzhou testing center. If you already know Chinese, you can take top-up classes, or study Spanish or Japanese.



"I was so surprised to find how convenient it is to live in China! The people are kind, and the food is delicious. I was really impressed to see modern downtown areas even though Suzhou is also an ancient, historical city."

PARK JAEHYUN, KOREA
SUMMER SCHOOL



ACADEMIC QUALITY AND PROFESSIONAL RECOGNITION

Many of our programmes have also been recognised by prestigious academic and professional accrediting bodies such as AACSB International, EQUIS, the Royal Institute of British Architects (RIBA), Joint Board of Moderators, Royal Society of Biology and the Institution of Engineering and Technology (IET), for example. Also, International Business School Suzhou (IBSS) at XJTU officially achieved the "triple crown" accreditation of EQUIS, AACSB and AMBA in 2020.

We are one of the youngest universities in the world to have earned these accreditations.



DISTINGUISHED INTERNATIONAL FACULTY AND RESEARCHERS

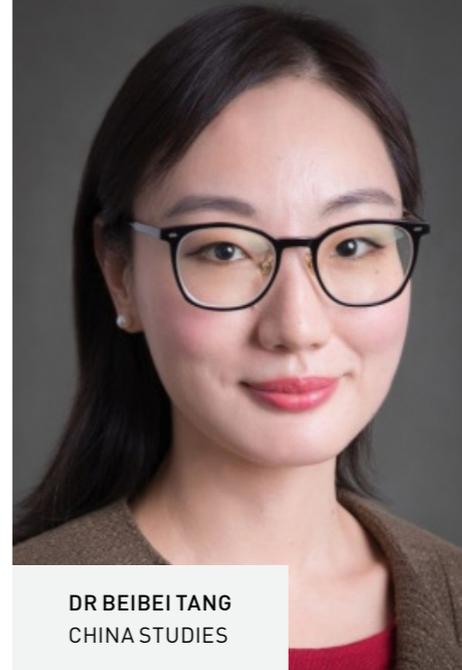
XJTLU has over 1,600 academic staff from more than 50 countries and regions, who have extensive international experience in industry and academia. They deliver cutting-edge research and teach current theories to prepare you for an excellent career.



PROFESSOR ENG GEE LIM
ADVANCED TECHNOLOGY



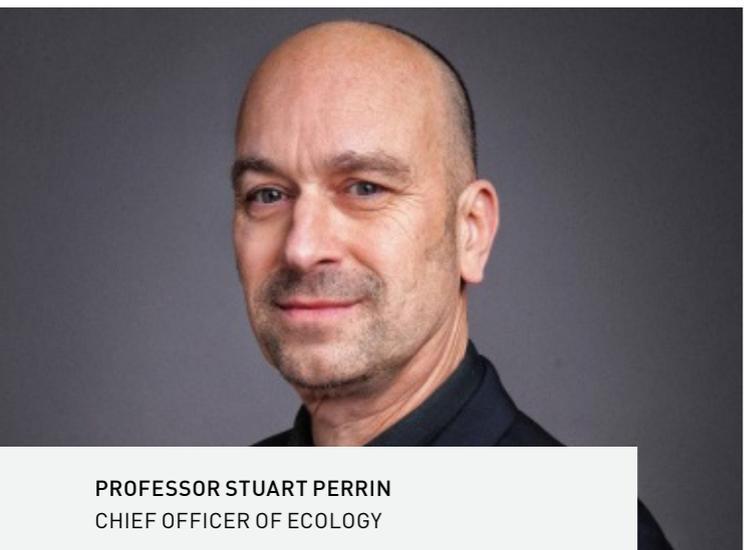
DR GRAHAM DAWSON
CHEMISTRY



DR BEIBEI TANG
CHINA STUDIES



PROFESSOR LI CHUAN EVELYN MAI
SCHOOL OF FILM AND TV ARTS
SCHOOL OF CULTURAL TECHNOLOGY



PROFESSOR STUART PERRIN
CHIEF OFFICER OF ECOLOGY



DR MIN CHEN
ADVANCED TECHNOLOGY



DR ALESSANDRA CAPPELLETTI
INTERNATIONAL STUDIES



PROFESSOR MU WANG
ACADEMY OF PHARMACY



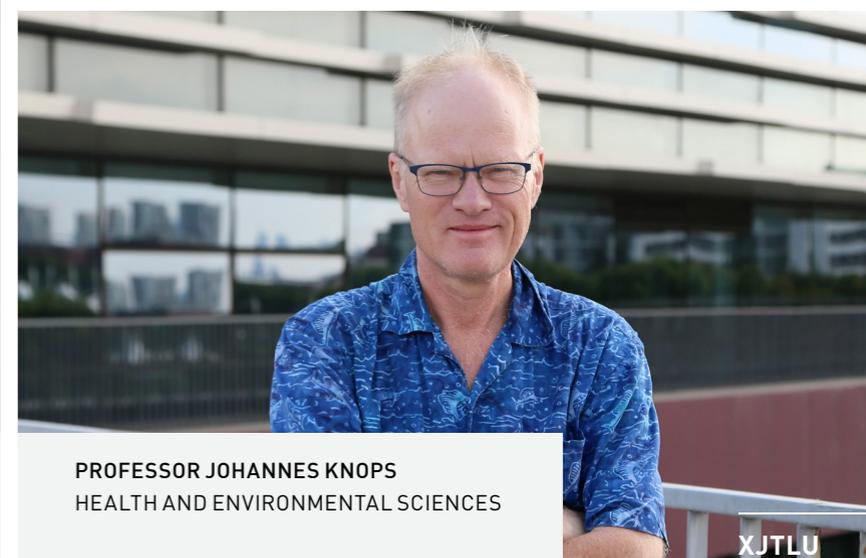
DR JUANN HUNG
INTERNATIONAL BUSINESS SCHOOL,
SUZHOU



PROFESSOR DAVIDE LOMBARDI
ARCHITECTURE



DR KONSTANTINOS PAPANIKIS
CIVIL ENGINEERING



PROFESSOR JOHANNES KNOPS
HEALTH AND ENVIRONMENTAL SCIENCES

DISTINGUISHED INTERNATIONAL FACULTY AND RESEARCHERS

XJTLU has over 1,600 academic staff from more than 50 countries and regions, who have extensive international experience in industry and academia. They deliver cutting-edge research and teach current theories to prepare you for an excellent career.



DR MIN CHEN
ADVANCED TECHNOLOGY

Min Chen received her bachelor and doctor degree in Mechanical Engineering from Southeast University. From 2007 to 2015, she studied and worked in RWTH Aachen, Germany. Her research focuses on the structure optimization, reliability analysis, computational mechanics and product design. Currently she hosts several governmental research funding and industrial projects related to smart structure and multi-physics coupling analysis.



PROFESSOR ENG GEE LIM
ADVANCED TECHNOLOGY

A Fellow of the Institute of Engineering and Technology, Professor Lim's research focusses on artificial intelligence and robotics and their applications across a range of areas including smart homes and cities, cognitive wireless communications, energy harvesting, and health care.



PROFESSOR STUART PERRIN
XJTLU ENTREPRENEUR COLLEGE (TAICANG)

Professor Perrin's research interests include academic literacies and its application to the international university, English as a lingua franca, Second Language acquisition and identity, and language testing. He is also interested in writing in the curriculum, and developing workable pedagogic models of writing in Higher Education.



DR JUANN HUNG
INTERNATIONAL BUSINESS SCHOOL, SUZHOU

A Senior Associate Professor in Economics, Dr Hung came to academia after more than two decades of industry experience working as a policy analyst and economist in the United States. Her current research looks at policy-related issues, including causes and consequences of currency crises, macroeconomic effects of globalisation, and China's growth model and its implications.



PROFESSOR DAVIDE LOMBARDI
ARCHITECTURE

Head of Architecture Department, Dr. Lombardi's research interest lies at the intersection between computational design, digital fabrication and architectural representation. He has been invited keynote in several universities around the globe, his work is presented and published in international conferences and journals, and he currently serves as Head of the Architecture department at XJTLU.



PROFESSOR JOHANNES KNOPS
HEALTH AND ENVIRONMENTAL SCIENCES

Professor Knops' research looks at the drivers that control biodiversity and the importance of biodiversity in the functioning of ecosystems.

His current emphasis is on examining plant diversity in Qinghai-Tibetan alpine meadows and developing a framework to study biodiversity in a rapidly changing urban environment in China.



DR ALESSANDRA CAPPELLETTI
INTERNATIONAL STUDIES

Dr Cappelletti's research interests are focused on Chinese foreign policy in Central Asia, the Belt and Road Initiative, and agricultural development and agribusiness in North-West China. Her monograph on socio-economic development in Xinjiang was recently published by Palgrave.



DR KONSTANTINOS PAPADIKIS
CIVIL ENGINEERING

With a background in mechanical engineering, Dr Papadikis' research investigates how numerical modelling techniques can optimise a range of technologies, including carbon capture, liquid collection and chemical reactor technologies.



DR BEIBEI TANG
CHINA STUDIES

Dr Beibei Tang's research interests include social class, social stratification and mobility in contemporary China, neighbourhood governance and state-society relations in China, urbanisation in China, deliberative democracy and social science research methods.



PROFESSOR MU WANG
ACADEMY OF PHARMACY

Professor Wang's research centres around biomarkers and drug target discovery, and deciphering the protein interaction networks in complex human diseases such as cancer with the use of high throughput proteomics technologies. Additionally, he also has expertise in mammalian DNA repair and macro-molecular interaction studies using surface plasmon resonance (SPR) analysis.



PROFESSOR LI CHUAN EVELYN MAI
SCHOOL OF FILM AND TV ARTS
SCHOOL OF CULTURAL TECHNOLOGY

Professor Mai has been serving for the education of film and media for 30 years. Her specialisations are the areas of media and cultural management, focusing on market, strategies, business models of online media, TV, games and cultural theme parks.





EXPERIENCE CHINA

With the Asian century upon us, no matter what career you pursue, China will play a role in your future in one way or another. How can first-hand experience of China make the difference for you?

CAREER PROSPECTS

Employers report that experience in China helps graduates stand out from the crowd. You'll develop an understanding of the world's second largest economy and inter-cultural skills that will give you a leg-up in your next job hunt.

FRIENDSHIPS AND NETWORKS

Studying abroad is fun! Not only will you experience new people, food, customs and travel, but you'll also forge new friendships in China and from across the globe that will last a lifetime.

CULTURAL AWARENESS

China offers a continent full of diverse culture, food styles and dramatic scenery. Shanghai, Xi'an and Beijing are well within the range of a weekend trip. Spend more time and you can explore the Silk Road, traverse deserts, high plateau grasslands and glacial valleys. Or visit giant pandas in Chengdu or Buddhist monks in Tibet. The possibilities are limitless!

LANGUAGE SKILLS

More than one billion of the world's population speak Chinese, and it will become increasingly influential in the future. Learning the Chinese language may be a part of your study path at XJTLU, but even scratching the surface will give you a greater insight into a fascinating and ancient society that will also contribute to your career prospects.

KEY FACTS

| | |
|------------|--|
| LOCATION | JIANGSU PROVINCE, EAST CHINA |
| POPULATION | 12.7 MILLION |
| GDP | RMB 2.27 TRILLION (USD 335 BILLION) |
| TIME ZONE | GMT +8 HOURS |
| WEATHER | JANUARY (-3 C - 10 C) JULY (28 C - 35 C) |
| AIRPORTS | SHANGHAI HONGQIAO (74KM) |
| | SHANGHAI PUDONG (123KM) |
| | WUXI SUNAN SHUOFANG (51KM) |



"Suzhou is ideally located as a gateway for you to travel across China and Asia. The diversity of people at XJTLU gives you the opportunity to meet other like-minded students from around the world."

ANNA HALL, UK
CHINESE LANGUAGE
SUMMER SCHOOL

LIVE IN BEAUTIFUL SUZHOU

Suzhou is a fascinating mix of the ancient and the hypermodern; Blending together a bustling old town with canals, elegant 2,500 year-old UNESCO World Heritage gardens, new lakeside areas with stunning malls, skyscrapers, shops and restaurants; and one of Asia's leading research and innovation hubs. Suzhou's weather is cold in winter and hot in summer.

XJTLU CAMPUS

XJTLU is located in the modern, clean and safe Suzhou Industrial Park area, China's equivalent of Silicon Valley and a hub of global education, business and innovation with more than 20 universities, 5,000 foreign owned enterprises and Fortune 500 companies to bring real-life opportunities into the classroom.

SHANGHAI

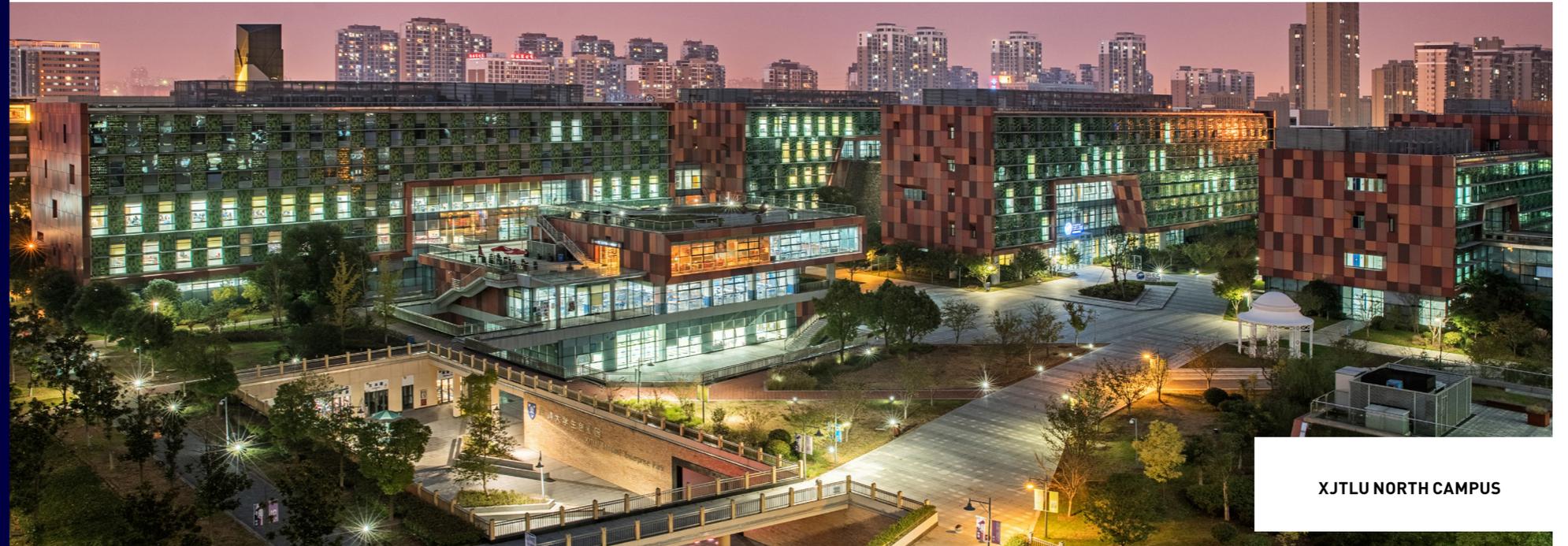
Located just 25 minutes by bullet train from Suzhou, Shanghai is one of Asia's most glamorous cities with over 25 million people and one of the most vibrant economic, cultural and nightlife scenes in the world. Be a part of the action in this global hub of finance, arts, fashion and food.

AWARD-WINNING CAMPUS

The XJTU campus provides state-of-the-art teaching, laboratory, research and support facilities.

This includes the award-winning Central Building, which houses the fully-resourced XJTU Library.

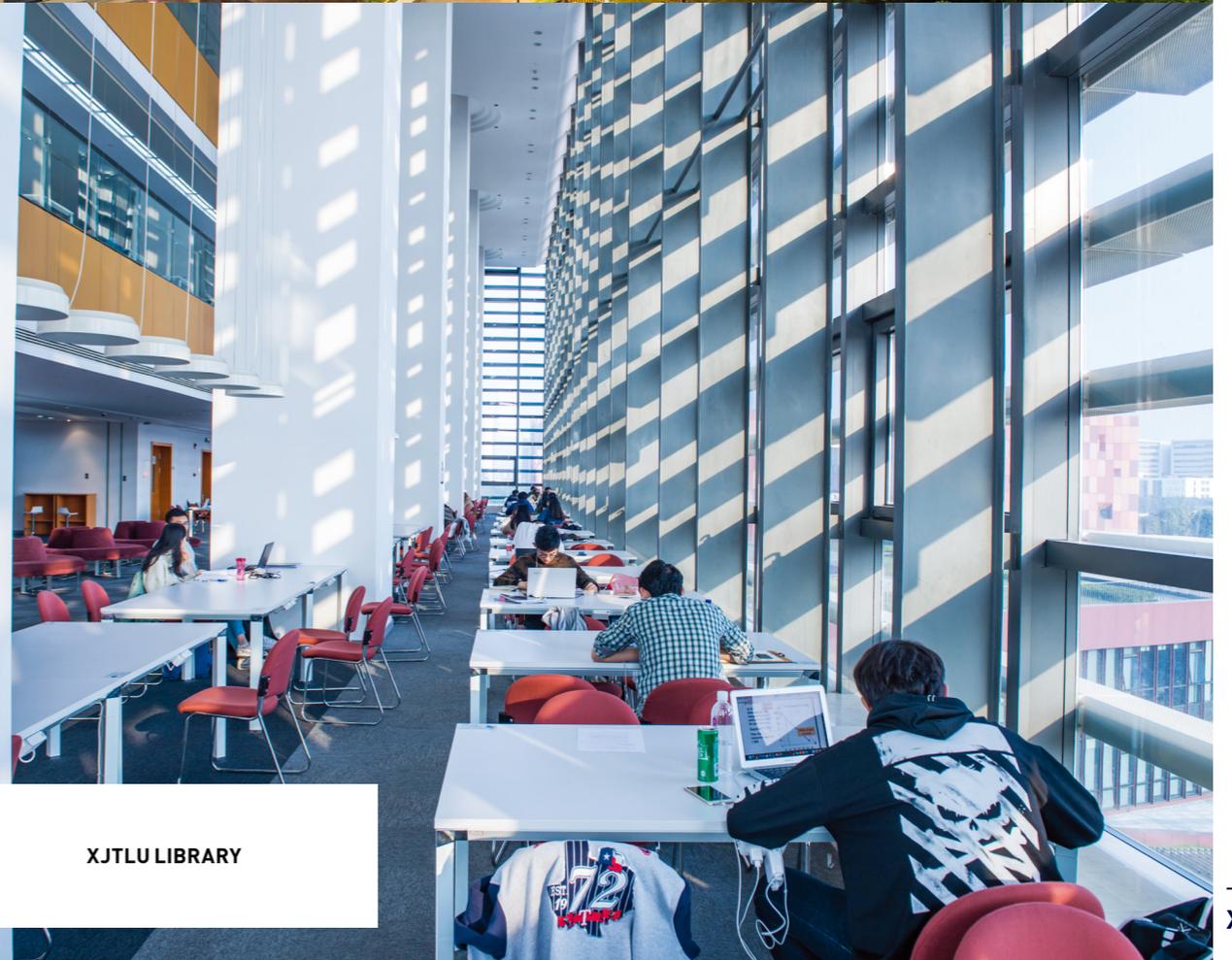
In addition to the world-class science and engineering laboratories, design and media studios, and communications laboratories, our campus also has conference facilities, tennis and basketball courts, a multi-purpose sports centre, a playing ground, a running track, and a variety of catering facilities.



XJTU NORTH CAMPUS



XJTU SOUTH CAMPUS



XJTU LIBRARY

STUDENT LIFE

An education at XJTU brings with it not only outstanding academic opportunities, but also the chance to expand one's horizons socially and culturally.

XJTU students study hard, but they also lead full and ambitious lives between classes. Student clubs and societies play an important role at XJTU with more than 170 organisations centred on art, sports, entrepreneurship, social service, academia and science, to name but a few.

XJTU hosts a model United Nations, and the Student Union plays an active role in shaping campus life and academic experiences. We also have an arts centre that gives students the opportunity to get involved in a range of creative activities. The campus has its own student enterprise park where students can try starting their own businesses or simply enjoy the shops and services.

You'll also have the chance to travel through China's vast and beautiful landscape and experience the depth of its ancient culture.



XJTU SPORTS CENTRE

SELECTION OF STUDENT CLUBS AND ACTIVITIES

- ACTION! GREENER
- ART TRAINING CENTRE
- BILLIARDS CLUB
- BIOSCIENCE CLUB
- BUDDY PROGRAMME
- COMMUNICATION SOCIETY
- CRICKET CLUB
- DEBATING CLUB
- HISTORY CLUB
- KARATE CLUB
- LEMEI CHARITY
- LOX-TV
- MODEL UNITED NATIONS
- STUDENT UNION
- SCIENCE & INNOVATION ASSOCIATION
- STUDENT AMBASSADOR ASSOCIATION
- STUDENT ENGLISH ASSOCIATION
- STUDENT NEWS CENTRE
- VOLUNTEER ASSOCIATION
- ULTIMATE FRISBEE CLUB

SPORTS FACILITIES

- RUNNING TRACKS
- TENNIS COURTS
- BASKETBALL COURTS
- FOOTBALL FIELDS
- INDOOR GOLF PRACTICE
- SPORTS HALL
- FITNESS AND WEIGHTS
- ROCK CLIMBING WALL
- DANCE AND YOGA STUDIOS

FOOD AND SHOPPING

- CANTEENS AND COFFEE SHOPS
- BARS AND RESTAURANTS
- DOWNTOWN SUZHOU



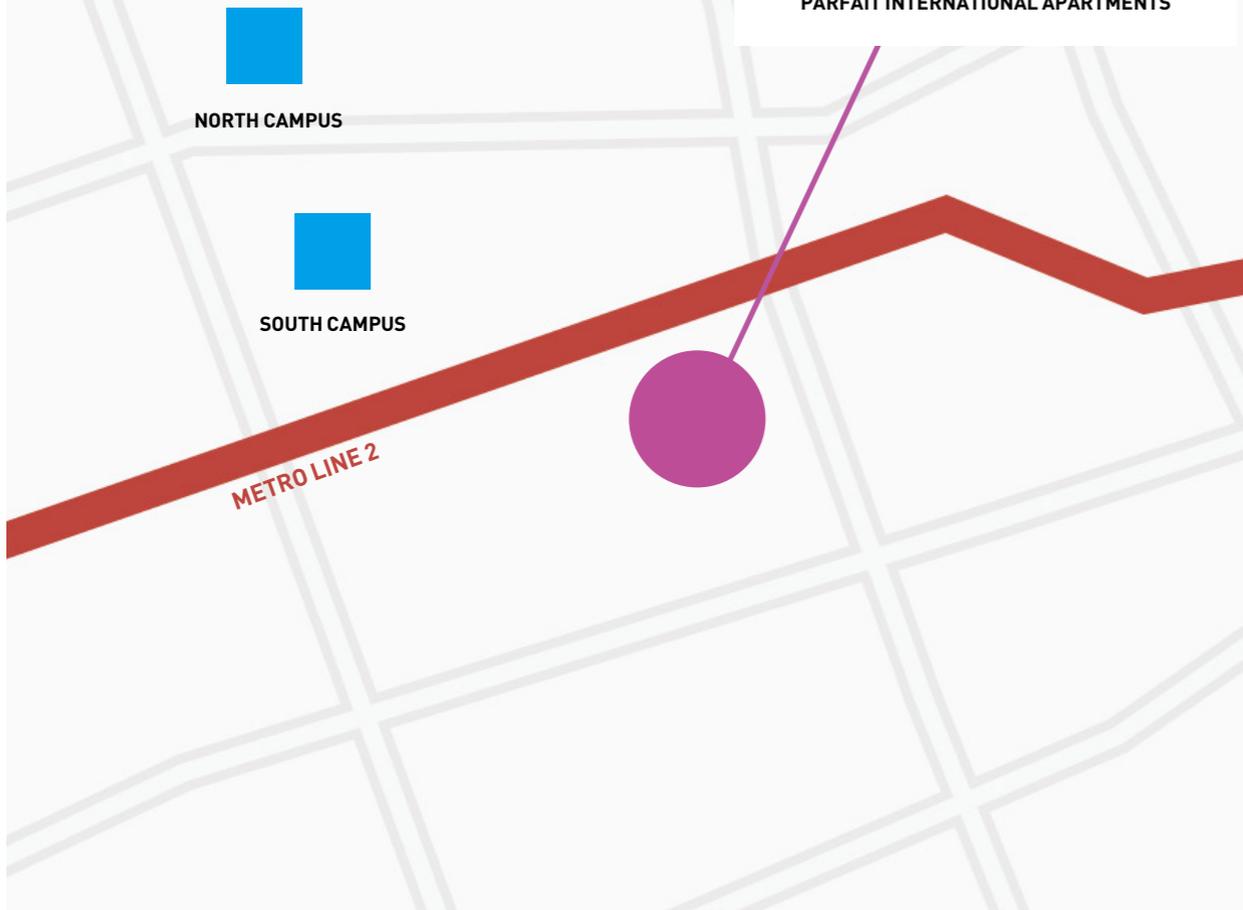
SIP CAMPUS ACCOMMODATION

The available option for international, Chinese HK, Macao, and Taiwan students studying in SIP is the Parfait International Apartments. The accommodation facilities are located around 10 minutes walk from campus. After you have received your unconditional offer and paid a deposit, we will assist in booking your room.

If you have been admitted into year one of a Taicang undergraduate programme, you will study at XJTLU SIP Suzhou campus for the first year then move to Taicang campus for the remaining three years. Therefore, year one Taicang students should read the Suzhou SIP Campus accommodation information and book it accordingly.



PARFAIT INTERNATIONAL APARTMENTS



WENCUI: PARFAIT INTERNATIONAL APARTMENTS

| |  Kitchen |  En-suite bathroom option |  Prices per month |  Distance to Campus |
|---|---|--|--|--|
|   | Yes, shared | Private | 1650-1980 RMB (USD 242-265) | 1km |



*Accommodation info and room availability may change. For detailed information or to book a room, please refer to XJTLU website or contact: global@xjtlu.edu.cn (for SIP campus) OR global.tc@xjtlu.edu.cn (Taicang campus)

TAICANG CAMPUS ACCOMMODATION

Taicang campus accommodation is a 5-min walk from the campus. It is in a square with a basement mall of many shops, including mobile phone outlets, coffee shops, supermarkets and many restaurants.

Taicang accommodation fee needs to be paid to XJTU before you check into the accommodation. Upon check-in, you need to pay a deposit of 300CNY as well as the first utilities bill of 300CNY to the accommodation reception in cash.

Once the transaction has been made, please send the payment receipt to global.tc@xjtlu.edu.cn



CAMPUS MAP 校园平面图



ENTREPRENEUR APARTMENT

| Room Type | Kitchen | Distance to Campus | Prices | En-suite bathroom option |
|------------------------------------|---|--------------------|--|--------------------------|
| Twin Room (2 students to share) | No (cooking not allowed, many restaurants and shops in accommodation area and on campus) | 500 meters | - 6000 RMB/bed/academic year - 650 RMB/bed/month, for the first and the last month of stay, fee is respectively calculated as follows: the duration of stay ≥ 15 days, the accommodation provider charges a full month fee the duration of stay < 15 days, the accommodation provider charges a half month fee - 25 RMB/bed/day | Private |
| Single Room | | | - 14000 RMB/room/academic year - 1500 RMB/room/month, for the first and the last month of stay, fee is respectively calculated as follows: the duration of stay ≥ 15 days, the accommodation provider charges a full month fee the duration of stay < 15 days, the accommodation provider charges a half month fee - 60 RMB/room/day | |



*Accommodation info and room availability may change. For detailed information or to book a room, please refer to XJTU website or contact: global@xjtlu.edu.cn (for SIP campus) OR global.tc@xjtlu.edu.cn (Taicang campus)

BUDGET

Suzhou is a beautiful, safe, modern affordable city just 25 minutes from Shanghai, and was recently rated in the Economist magazine as the 'most liveable city in mainland China'. You get all the benefits of living in a big city but without the high costs.

Compared to other modern cities around the world, living costs are much lower in Suzhou.

Below are three sample lifestyles which you can refer to when planning your budget.

| | | |
|---|--|---|
|  CUP OF COFFEE 15 - 35 RMB (US\$ 2 - 5) |  CANTEEN LUNCH 20 RMB (US\$ 3) |  FAST FOOD 35 RMB (US\$ 5) |
|  CINEMA TICKET 20 - 80 RMB (US\$ 3 - 11) |  HAIRCUT 25 - 200 RMB (US\$ 3.50 - 28) |  SWIMMING ACCESS 15 - 35 RMB (US\$ 1.50 - 2) |
|  BUS TICKET 1 - 2 RMB (US\$ 0.15 - 0.30) |  SUBWAY TICKET 2 - 7 RMB (US\$ 0.35 - 1) |  TRAIN TO SHANGHAI 40 RMB (US\$ 5.50) |

| ITEMS | STUDENT A | STUDENT B | STUDENT C |
|---------------|--|---|--|
| | Resides in international halls and lives cheaply, i.e., only eating Chinese food from the university canteen, avoiding clubbing or drinking, and occasionally taking the bus or metro into the old town. | Resides in international halls and lives cheaply during the week, but occasionally Treats himself to food from a nicer restaurant. Goes drinking once a month. Normally takes the bus, but will take three or four taxis a month. | Lives the expat lifestyle, normally eating in western restaurants and going to bars. He owns a bicycle and takes taxis regularly |
| RENT | 1,700 (Parfait International Apartments) | 1,700 (Parfait International Apartments) | 3,000 (for a private apartment) |
| UTILITIES | 300 | 400 | 500 |
| INTERNET | 100 | 100 | 100 |
| MOBILE PHONE | 50 | 50 | 50 |
| FOOD | 1,300 | 2,000 | 3,000 |
| TRANSPORT | 100 | 300 | 300 |
| LUXURIES | 0 | 1000 | 2000 |
| MONTHLY TOTAL | 3,550 | 5,500 | 8,950 |

In addition to your tuition fees, travel and monthly living costs, you should also allocate budget for:

- Service charges (textbooks, ID cards, printing etc.) : 1,000 RMB / semester
- Visa/residence permit costs (varies for each country) : 400-1,000 RMB
- Emergency medical costs (insurance is indirect billing, so you are strongly recommended to keep some money for emergencies) : 1,000-5,000 RMB

LIVING AT XJTU

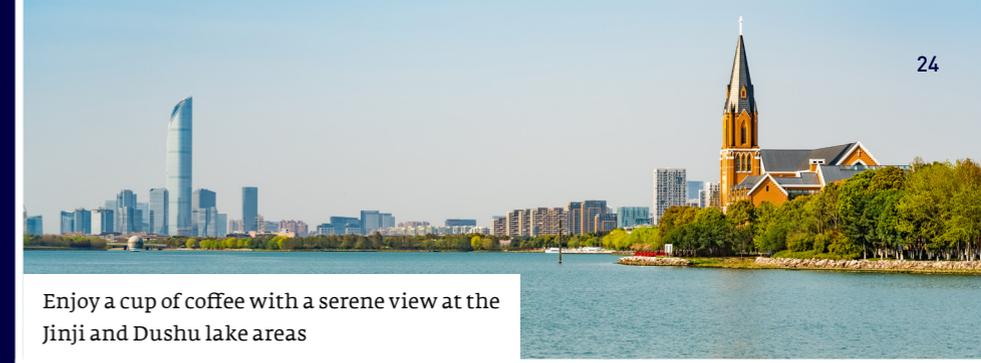
Work hard and play hard at XJTU. Your time outside the classroom is full of possibilities, adventures and new experiences.



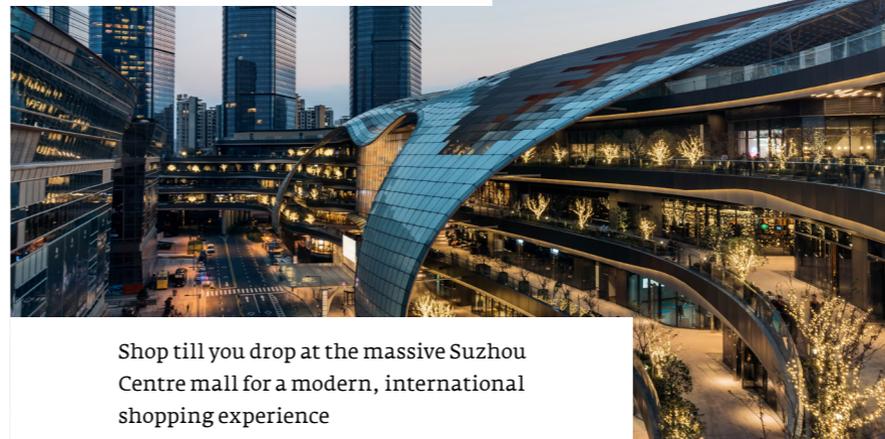
Try delicious local Chinese dishes from small vendors and traditional restaurants



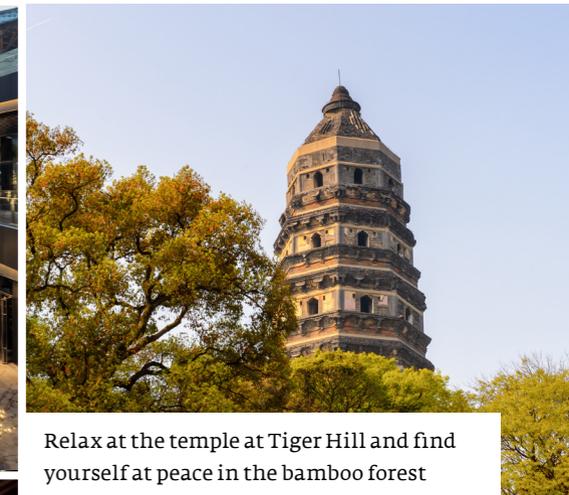
Explore the scenic old town waterways and fill your gallery with beautiful pictures



Enjoy a cup of coffee with a serene view at the Jinji and Dushu lake areas



Shop till you drop at the massive Suzhou Centre mall for a modern, international shopping experience



Relax at the temple at Tiger Hill and find yourself at peace in the bamboo forest



Venture to the magical Humble Administrator's Garden – a UNESCO world heritage site



Take a short trip on the weekend and explore Shanghai with your friends

STUDENT SUPPORT

The XJTU Global team provides a range of services to help make your experience at XJTU go as smoothly as possible. XJTU Global is the first service point for all international and Hong Kong, Macao and Taiwan students at the University.

VISA AND ACCOMMODATION

XJTU Global will provide support for arranging your visa and accommodation.

AIRPORT MEET-AND-GREET

XJTU Global organises a pick-up service for all new international students arriving in China at Shanghai Pudong, Hongqiao and Wuxi airports. This service is available during four days of the week before welcome week.

INDUCTION

Induction activities aim to familiarise you with the local area and campus. You will have the opportunity to meet current students during this time, as well as go to various social events and societies and clubs introductions.

ENGLISH LANGUAGE SUPPORT

The School of Languages provides continuing support courses to help you with any English language and study skills issues you may find during your studies. Continuing support focuses on academic literacies, study skills, and learning techniques, helping you to bridge the gap between English study and academic subject-specific study.

CAREER SERVICES

The Career Development Office and X-Global provide students with support in preparing for successful future careers and assists with work placements and job searches. Their services include lectures and seminars, CV and cover letter advice, workshops on interview techniques, business

plans, and career planning. The offices also arrange external mentoring with industry professionals as well as maintaining a careers library with books and journals on career planning, together with IT resources to help you with your post-graduation job search.

ALUMNI

When you graduate from XJTU, you will not only join a growing network of XJTU alumni, but you will also become a member of the global community of more than 200,000 University of Liverpool alumni in over 130 countries.

STUDENT HELPERS

All students are assigned a friendly 'buddy' to help you get familiar with the campus during your first few weeks and months. You also have the option to pair up with a language partner to practice your second language.

ENTREPRENEURSHIP

With guidance from the Career Development Office and XJTU Innovation Hub, many students take advantage of the XJTU Student Enterprise Park to develop their own products and start-up companies.

EXTERNAL MENTOR PROGRAMME

We invite experienced professionals from Chinese and international companies to act as external mentors to provide guidance on the skills that are necessary for your future career.

CHINESE CLASSES

The School of Languages provides Chinese language classes to all full-time international students. We are committed to creating a high-quality platform for you to learn Chinese and understand China.

The Chinese Language Division uses the latest student-centred approaches to learning while prioritising communicative competence using the most up-to-date techniques, technologies, and classroom learning materials. The Chinese language lecturers provide tailored material and teaching methodology to help students develop Chinese language skills and a deeper understanding of China's unique culture. These modules are supported and enhanced by various educational technologies, such as our in-house virtual learning environment through the Virtual Reality Language Learning Laboratory (VRLL).

REALITY-CENTRED PRACTICAL CHINESE LESSONS

Our Chinese language courses are designed for real people who live long-term or are staying in China for a short while and want to communicate with locals successfully and with confidence. Whether you are here for work or on the holiday of a lifetime, our Chinese language classes will equip you with all the skills you need to take on the enjoyable challenges of ordering a meal, using transport or shopping for the latest trends.

Our classes focus on language that you will actually use day to day while you are in China. We combine the listening, speaking, reading and writing skills that you will actually need and use every time you go out and interact with Chinese speakers and the Chinese environment you live in.

CULTURAL ACTIVITIES

We strongly believe that language and culture are strongly linked, and, because of this, we offer all of our learners a range of optional cultural activities to deepen their understanding of the world in which the language is actively used. These activities can be historical and traditional, such as Chinese calligraphy, visits to museums and places of historical significance, and the learning about and wearing of traditional Chinese costume. They can also be modern and fun, like when we go downtown to the latest trendy restaurant for a fabulous meal!

GLOBALLY RECOGNISED HSK CERTIFICATION

We are also an official testing centre for the globally recognised HSK national Chinese language proficiency exam. Employers the world over are enthusiastic to employ graduates with an HSK qualification.



"Life has never been this good. With extremely warm and friendly staff as well as the locals, it's not hard to absolutely love what this university and this city has to offer."

SUHAILA SULEIMAN, KENYA
BEng TELECOMMUNICATIONS ENGINEERING



"China is amazing! I feel the people are so welcoming and the atmosphere is definitely more relaxed than the UK. As a minority, you instantly develop a fan base, so bring your good side as there will be lots of pictures!"

KRYSTINA MHLANDHLA, UK
SUMMER SCHOOL



CAREERS OPPORTUNITIES

XJTLU students have numerous job opportunities around the world after they graduate.

Graduates work at institutions and enterprises including the 'Big Four' accounting and consulting firms, global banks, financial institutions, foreign-owned manufacturing and developing firms, and large state-owned enterprises.

Throughout the year, career fairs are organised on campus, and departments invite selected companies to meet with students.

We are located in Suzhou Industrial Park, which houses more than 5,000 international enterprises and Fortune 500 companies.

Here are some of the global companies where our graduates have received offers of employment:

Microsoft
Google
Apple
Intel
Amazon
Ford
JP Morgan Chase
IBM
Shell
Accenture
Procter & Gamble
Procter & Gamble
L'Oréal

PricewaterhouseCoopers
KPMG
Ernst & Young
Deloitte

HSBC
Standard Chartered Bank
Swiss Bank
Royal Bank of Scotland

Lenovo
Huawei
ZTE
Baidu
Alibaba
SAIC

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



"The ALA requirement empowered me to customise my degree programme to my own interests. I've focused primarily on Chinese language which will be valuable for my future career. I also prepared and taught a seminar, and next semester I plan to do an internship that will support my masters degree thesis. One of my classmates worked in a financial company's sales department in Suzhou managing channel sales, conducting product and industry research and gaining valuable business and negotiation skills. I also attended a variety of courses on Chinese politics, culture and business. The possibilities are endless!"

FRANZISKA BERTRAM
MSC MANAGEMENT

”

XJTLU LEARNING MALL

The XJTLU Learning Mall is an innovative upskilling and lifelong learning hub as well as project and partner centre.

It has both an online platform as well as a future onsite location at Entrepreneur College (Taicang). It promotes the concept of upskilling and lifelong learning across the XJTLU community, as well as the broader community in Suzhou, Jiangsu, Greater China and beyond. It involves a networked global alliance of education providers, bringing together premier resources from XJTLU schools, departments, and staff as well as national and global education partners.

THE ONSITE XJTLU LEARNING MALL

will be housed in the XJTLU Entrepreneur College (Taicang). Using its unique Syntegrative Education model, the Entrepreneur College (Taicang) is a pioneer of, and an educational model for, the future campus in developing talents and leaders to meet local, national and global challenges as a result of the 4th Industrial Revolution.

THE XJTLU LEARNING MALL ONLINE

(LMO), the initiative's innovative online partnership learning platform, was launched for internal students and staff in November 2020. It also had a full external launch in May 2021 to provide premier learning resources to the national and global community.



The XJTLU Learning Mall offers four primary services to internal and external stakeholders:

- a online “store” space and learning resources;
- b onsite “store” space and learning resources;
- c lifelong learning and development opportunities (both online and onsite);
- d innovative and transformative education initiatives (both online and onsite).

“Store” space, whether online or onsite, represents a unique opportunity for education-focused businesses to showcase resources through the XJTLU Learning Mall, particularly those who offer content and services. By fostering an inviting space and leveraging premier partners’ strengths, the XJTLU Learning Mall forges a 21st century alliance of like-minded entrepreneurs to serve the wider China community and XJTLU university. Through this library of combined resources, the XJTLU Learning Mall provides unmatched online and onsite learning opportunities to learners of all ages.

OUR PARTNERS

The XJTLU Learning Mall continues to expand its library of learning content and resources daily with the addition of more global partners, offering their services to users both online, onsite as well as in a hybrid format. By joining the XJTLU Learning Mall, local, national and global partners reap the benefits of enhanced exposure and visibility to a vast network of potential users from all walks of life and areas of industry. They also have the potential to engage in further cooperation with other members of our coalition.

- | | |
|---|--|
| 1 Center for Creative Leadership  | 11 Merlot  |
| 2 Alibaba Cloud  | 12 Open Learning  |
| 3 McGraw-Hill  | 13 Iversity  |
| 4 Seentao  | 14 GAMI  |
| 5 Hujiang  | 15 China Construction Bank University  |
| 6 LabXchange  | 16 AMT  |
| 7 CiWei  | 17 Skills Commons  |
| 8 Skillshare  | 18 European Mentoring & Coaching Council (EMCC)  |
| 9 The Intern Group  | 19 Celemi  |
| 10 iFLYTEK AI大学  | 20 Archistar Academy  |

XJTLU ENTREPRENEUR COLLEGE (TAICANG)

XJTLU Entrepreneur College, Taicang, is the University's new model for a next-generation educational facility to produce graduates with deep academic knowledge and industry-specific skills and abilities.

The initiative focuses on seamless collaboration between academic staff, students, industry, government, and the wider community, with the aim of fostering the development of a modern, entrepreneurial and sustainable society.



"One of the best decisions I've made in my life is to dive into the pool of opportunities at XJTLU. I've sharpened my skills in risk management, planning, problem solving, creative production and entrepreneurship; and as a result, received employment offers from leading creative agencies in Shanghai."

MEITING SHU YE, HONDURAS
MSc PROJECT MANAGEMENT



Located in the north-east of Suzhou, the seven industry schools housed at the new campus are designed to help graduates become future leaders and prepare for challenges from disruptive technology, rapid innovation, and shifting market demand.

School of Artificial Intelligence and Advanced Computing

BEng Data Science and Big Data Technology
MSc Artificial Intelligence

School of Intelligent Manufacturing Ecosystem

BEng Intelligent Manufacturing Engineering
MSc Intelligent Engineering Science & Industrial Operations

School of Intelligent Finance and Business

BSc Intelligent Supply Chain
MSc Digital Business

School of Robotics

BEng Intelligent Robotics Engineering
MSc Advanced Robotics Systems

School of Internet of Things

BEng Internet of Things Engineering

School of Cultural Technology

BA Arts, Technology and Entertainment

School of CHIPS

BEng Microelectronic Science and Engineering
MRes Advanced Microelectronic Technology and Materials

Entrepreneurship and Enterprise Hub

MSc Entrepreneurship and Innovation

ADMISSION TO XJTLU





THE PRESESSIONAL COURSE IS A GREAT WAY TO BEGIN YOUR POSTGRADUATE STUDIES AND MANY STUDENTS CHOOSE TO ENROLL EVEN IF THEY HAVE MET THE LANGUAGE REQUIREMENTS. WE ADVISE YOU TO REGISTER EARLY FOR THIS POPULAR COURSE.

SUMMER COURSE

The course will focus on language and transferable academic skills, with typical content covering:

WRITING

- Writing clear and well-organised paragraphs and essays
- Paraphrasing, summarising and quoting
- Referencing and understanding the principles of Academic Integrity
- Synthesising information from various sources together with your own voice
- Improving cohesion and coherence in writing

SPEAKING

- Giving academic presentations
- Participating in academic seminar discussions
- Using appropriate functional language in academic speaking
- Using information from sources in academic discussions and presentations

READING

- Analysing and identifying key features of texts of different genres
- Skimming, scanning, understanding the gist, and reading for detail
- Identifying important information and selecting key ideas
- Evaluating texts

LISTENING

- Preparing to attend lectures
- Following the structure of lectures
- Identifying key ideas in lectures
- Taking effective notes during lectures

ACADEMIC SKILLS

- Understanding differences between academic cultures
- Reflecting on and improving your performance
- Managing your time
- Giving, receiving and acting upon formative feedback
- Following a systematic process approach to assessments

TUITION FEES

6-week full-time PSE/12-week part-time PSE: RMB 22,000 (full fees as deposit)
12-week full-time PSE: RMB 40,000 (full fees as deposit)

SCHEDULE

Please visit XJTLU website for course schedule.

HOW TO APPLY

APPLICATIONS ARE ACCEPTED ONLINE.
PLEASE CHECK THE WEBSITE FOR DETAILS:
<https://www.xjtlu.edu.cn/en/study/short-summer-courses-and-languages/preessional-english-programme>

PRE-SESSIONAL ENGLISH (PSE) PROGRAMME

Our Pre-Sessional English (PSE) programmes are designed to help students improve and develop their general and discipline-specific English language and study skills, with a particular emphasis on academic writing and speaking, in order to enable them to function effectively in their postgraduate master's programmes. Taught by lecturers from the XJTLU English Language Centre, our programme is BALEARP (British Association of Lecturers in English for Academic Purposes) certified and has been conferred "Validated Programme" status by CIOL (Chartered Institute of Linguists).



Accredited
Since 2019



Validated
Since 2021

The programmes (for applicants who are approximately 0.5 IELTS bands below the requirements for direct entry onto their Master's programmes) are comprised of 112 hours of teaching and approximately 105 hours of self-study, and there are two options available of two different lengths, i.e., a 6-week full-time summer intensive course taught onsite on the Taicang campus, and a 12-week part-time course. The 12-week part-time course is designed for part-time programme students who cannot take the 6-week intensive course and full-time programme students who prefer a longer and less intensive course with the same language and skills focus as the 6-week intensive course. There is also a 12-week full-time intensive course for students whose IELTS level is approximately 1 full IELTS band below the direct entry requirements for their Master's programmes. This is a hybrid programme with the first 6 weeks being taught online, and the remaining 6 weeks taught onsite on the Taicang campus. This course is comprised of approximately 232 hours of teaching and 210 hours of self-study.

Once you are accepted onto a Pre-Sessional English course, you will not need to retake a language test. This means that you can concentrate on developing your postgraduate study skills.

WHO SHOULD TAKE PSE?

If you have applied for an XJTLU master's programme and meet the minimum English language requirements for the course, as shown below, you may be accepted onto the Pre-Sessional course subject to Programme Director approval. Upon successful completion of the Pre-Sessional English course, your XJTLU master's offer letter will be changed to "Unconditional" for English level.

If you have already met the English language entry requirement of your prospective master's programme, you are also welcome to take the PSE course to support improvements in your academic English language skills.

HOW TO APPLY FOR A MASTER'S DEGREE

ENTRY REQUIREMENTS

The minimum entry requirement is an undergraduate degree, UK upper second class (2:1) or equivalent. However, admission requirements vary depending on the programme you choose.

ENGLISH LANGUAGE REQUIREMENTS

Master's students at XJTLU should have a high level of proficiency in the English language. Non-native speakers will typically require a minimum IELTS score of 6.0 (TOEFL iBT:80) up to IELTS 7.0 (TOEFL iBT: 100). Students who completed a full-time degree programme delivered wholly in English (no earlier than 1 January 2023) will normally be exempted from the English language requirements.

If you miss the language requirements by 0.5-1.0 of IELTS then you can still apply for XJTLU by successfully completing a summer Pre-Sessional English (PSE) course at the university.

APPLY ONLINE

All applicants should apply via our online application system. To begin, simply choose your programme on our website and click the "apply" button. You will then be prompted to create an account, complete the application form, upload the required documents and submit. You may save and re-log in to your application form at any time and upload any remaining supporting documents.

Visit: www.xjtlu.edu.cn



THE APPLICATION DEADLINE FOR
SEPTEMBER 2025 INTAKE IS
15 JUNE 2025

SCHOLARSHIP APPLICATION DEADLINE:
1 JUNE 2025

CHECKLIST

- Certificates of education qualifications and transcripts
- Certificates of English language qualification (If applicable)
- Personal Statement
- Two academic referees contact information
- Photocopy of your passport or ID
- CV

TUITION FEES

Tuition fees vary by programme and range from 150,000 RMB to 200,000 RMB. You must secure your place at XJTLU by paying a nonrefundable deposit of 10,000 RMB, which is deducted from the total tuition fee.

Tuition fee payments are made per year.

ALUMNI DISCOUNT

Graduates of XJTLU, the University of Liverpool or Xi'an Jiaotong University will automatically receive a tuition fee discount of 20 percent.

Applications will be considered as they are received and we encourage you to submit your application well in advance of the deadline. Please refer to the relevant programme page on our website for details.

Note: 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.

Information subject to change. For more information, please check XJTLU official website.

MASTER'S DEGREE PROGRAMMES

Our master's degrees, awarded by the University of Liverpool, equip you with the skills and knowledge to pursue your career in a relevant field, or conduct pioneering research in an academic or industrial setting.

All degrees are taught in English by world-class international academic staff and industry experts, and range from 18 months (full time) to 42 months (part time).

Tuition fees vary by programme and generous scholarships are available.



THE INFORMATION REGARDING THE MASTER'S PROGRAMMES IS ACCURATE AS OF AUGUST 2024. FOR THE MOST CURRENT INFORMATION, PLEASE SCAN THE QR CODE OR VISIT OUR OFFICIAL WEBSITE.

<https://www.xjtlu.edu.cn/en/study/masters/>

| DEPARTMENT | PROGRAMME | DURATION | TUITION FEES | ENTRY REQUIREMENTS |
|-------------------------------------|--|-----------------------|--------------|--|
| SCHOOL OF ADVANCED TECHNOLOGY | ◆ APPLIED INFORMATICS MSC | 18 months (full-time) | RMB 180,000 | Bachelor Degree in related fields, such as computer science, computer engineering, automation, e-commerce, or financial mathematics or equivalent experience. |
| | ● COMPUTER SCIENCE MRES | 24 months (full-time) | RMB 200,000 | Bachelor Degree or equivalent academic qualification/experience in computer science or a related field. |
| | ◆ FINANCIAL COMPUTING MSC | 18 months (full-time) | RMB 180,000 | Bachelor Degree or equivalent academic qualification / experience in a relevant area such as computer science, information systems, with some programming and program design experience |
| | ◆ HUMAN-COMPUTER INTERACTION MSC | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in computer science related programmes. |
| | ◆ LOW CARBON ELECTRICAL POWER AND ENERGY TECHNOLOGY MRES | 24 months (full-time) | RMB 200,000 | An undergraduate degree (UK 2:1 or equivalent) in a relevant field, such as: electrical engineering, electronic science and technology, telecommunication engineering, computer science and technology, mathematics, semiconductor physics, automation and control, embedded systems, thermal physics, and other related majors. |
| | ◆ MULTIMEDIA TELECOMMUNICATIONS MSC | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in a relevant field such as telecommunication engineering, electronic science and technology, electrical engineering, and computer science and technology. |
| | ◆ PATTERN RECOGNITION AND INTELLIGENT SYSTEMS MRES | 24 months (full-time) | RMB 200,000 | An undergraduate degree (UK2:1 or equivalent) in a related subject (e.g. digital media technology, electrical engineering, computer science and technology, mechatronics and robotic systems) from an accepted University or other Institute of Higher Education. Alternative qualifications and all non-UK qualifications which are equivalent to a UK science- or engineering-based honours degree may also be considered. In some cases, a good UK 2.2 honours degree may be considered if strong performance in relevant subjects is demonstrated or the applicant has relevant industrial experience. |
| | ◆ SOCIAL COMPUTING MSC | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in computer science, engineering, information systems, e-business, or mathematics, with suitable programming and programme design experience. |

| DEPARTMENT | PROGRAMME | DURATION | TUITION FEES | ENTRY REQUIREMENTS |
|-------------------------------------|---|--|--------------|---|
| SCHOOL OF ADVANCED TECHNOLOGY | ◆ SUSTAINABLE ENERGY TECHNOLOGY MSC | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in a relevant field such as electrical engineering, electronic science and technology, telecommunication engineering, computer science and technology, mathematics, semiconductor physics, automation and control, embedded systems, engineering thermal physics or other related disciplines. |
| DESIGN SCHOOL | ● ARCHITECTURAL DESIGN MARCH | 24 months (full-time) | RMB 200,000 | An undergraduate degree (UK 2:1 or equivalent) in BArch, BEng in Architecture, BA (Hons) in Architecture or equivalent. Applicants are required to submit a portfolio of their own creative works as a student and a practicing architect/intern (indicating where and when the work was done, who the tutor/supervisor was, who was part of the team and what the applicants' role was in the team, A3-size, typically 10 to 30 pages, in PDF format). An internship in an architecture-related practice is recommended, but not required. We might accept applicants with substantial work experience or an outstanding portfolio even if their grades are lower than the minimum entry requirements. |
| | ● CIVIL ENGINEERING MSC | 18 months (full-time), 36 months (part-time) | RMB 150,000 | An undergraduate degree (UK 2:1 or equivalent) in a relevant field such as civil engineering or a related programme. |
| | ● CONSTRUCTION MANAGEMENT MSC | 18 months (full-time), 36 months (part-time) | RMB 150,000 | An undergraduate degree (UK2:1 or equivalent) in civil engineering or in related field |
| | ● INDUSTRIAL DESIGN MDES | 24 months (full-time) | RMB 200,000 | An undergraduate degree in industrial design, engineering, architecture, urban planning and design, or other design-related discipline. |
| | ● INTERNATIONAL PROFESSIONAL PRACTICE IN ARCHITECTURE MSC | 18 months (full-time), 36 months (part-time) | RMB 150,000 | An undergraduate degree (UK 2:1 or equivalent) in a subject related to built environment or architecture. |
| | ● SUSTAINABLE CONSTRUCTION MSC | 18 months (full-time), 36 months (part-time) | RMB 150,000 | An undergraduate degree (UK 2:1 or equivalent) in a relevant field such as civil engineering or a related programme. |
| | ● URBAN PLANNING MSC | 18 months (full-time) | RMB 150,000 | An undergraduate degree (UK 2:1 or equivalent) in a relevant field, such as urban planning and design, architecture, geography, economics, management, environmental science, social or public policy. |

| DEPARTMENT | PROGRAMME | DURATION | TUITION FEES | ENTRY REQUIREMENTS |
|--|--|--|--------------|---|
| DESIGN SCHOOL | ● URBAN PLANNING (SPECIALISATION IN URBAN DESIGN) MSc | 18 months (full-time) | RMB 150,000 | Bachelor Degree (UK 2:1 or equivalent) in a relevant field, such as urban planning and design, architecture, geography, economics, management, environmental science, social and public policy. Applicants with an undergraduate degree in other fields will be assessed on a case by case basis. An English version portfolio is required, which should have an introductory table of content in which all projects are listed, with their title, their date, the context in which they were developed and the specific contribution of the candidate to the project. The portfolio should be saved in a PDF (max 10MB). |
| | ▲ APPLIED LINGUISTICS (SPECIALISATION IN MULTILINGUALISM) MA | 18 months (full-time) | RMB 180,000 | An undergraduate degree in language/ applied linguistics. Applicants with a first degree in other subjects of the humanities and social sciences [in areas such as sociolinguistics, communication studies, ethnography, political science, and anthropology] will be considered on an individual basis. |
| SCHOOL OF HUMANITIES AND SOCIAL SCIENCES | ▲ CHINA STUDIES MA | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in any discipline. |
| | ▲ INTERNATIONAL BUSINESS AND GLOBAL AFFAIRS MA | 18 months (full-time), 36 months (part-time) | RMB 180,000 | Bachelor Degree (UK 2:1 or equivalent) in international relations, economics, business and management, or cognate subjects. |
| | ▲ INTERNATIONAL RELATIONS MA | 18 months (full-time), 36 months (part-time) | RMB 180,000 | An undergraduate degree (UK2:1 or equivalent) in International Relations, Political Science, Communications Studies, Sociology, Law, Economics, History, Philosophy, Management, International Studies, Area Studies, or cognate subject. |
| | ▲ MEDIA AND COMMUNICATION MSc | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in communication, media, English with media or similar. No practical experience is required, but some relevant media practice/ background would be an advantage. |
| | ▲ TESOL MA | 18 months (full-time) | RMB 180,000 | Bachelor Degree in English, language, education or literature. No teaching experience is required, but some relevant teaching experience level would be an advantage. |

| DEPARTMENT | PROGRAMME | DURATION | TUITION FEES | ENTRY REQUIREMENTS |
|---|---|--|--------------|---|
| ACADEMY OF FUTURE EDUCATION | ▲ CHILD DEVELOPMENT AND FAMILY EDUCATION MA | 18 months (full-time), 30 months (part-time) | RMB 180,000 | An undergraduate degree in Psychology, Psychology in Education, Education, Teaching, Social Work, Child and Family studies, English or a related subject. Students who demonstrate a basic understanding of undergraduate level psychology or education are preferred. The work experiences in the field of education (e.g. teaching, counselling and education management) are preferred. |
| | ▲ GLOBAL EDUCATION MA | 18 months (full-time), 30 months (part-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in any discipline. Work experience in an education related field would be an advantage. |
| | ▲ DIGITAL EDUCATION MSc | 24 months (full-time), 36 months (part-time) | RMB 200,000 | Students with a good first degree in any subject will be considered. We welcome applicants from a diverse array of fields, including, but not limited to, students with a degree in computer sciences, information technology, education, international relations, human resources, and psychology |
| ACADEMY OF FILM AND CREATIVE TECHNOLOGY | ● CULTURAL AND CREATIVE INDUSTRIES MSc | 24 months (full-time) | RMB 200,000 | Bachelors Honours degree, (UK 2:1 or above or equivalent), or comparable institution in degrees in the areas include media, TV, film and arts related majors, new media, creative media, advertising, public relations, game design, digital media arts, fine arts, digital media technology, animation, cultural industry management, tourism, music, museology, product design, visual communication, etc. which are related to cultural or creative industries. Or, industrial experience deemed to be the equivalent to an Honours degree in a related discipline. This might, for example, be demonstrated by related work experience in the cultural and creative industries, a strong portfolio and/or professional reference. |
| INTERNATIONAL BUSINESS SCHOOL SUZHOU | ● BUSINESS ANALYTICS MSc | 18 months (full-time) | RMB 180,000 | Bachelor Degree in finance, accounting, economics, management, marketing, science or engineering, preferable to have knowledge of Econometrics, Statistics, Operations Research, and programming (Python, Matlab, R, Stata). |
| | ● ECONOMICS AND FINANCE MSc | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in economics, finance, mathematics or statistics. |
| | ● FINANCE MSc | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in finance, accounting, economics, management, science or engineering and some understanding of quantitative methods, statistics or econometrics. |
| | ● INVESTMENT MANAGEMENT MSc | 18 months (full-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in economics, mathematics, finance, or a related subject. Or relevant work experience and a good knowledge of quantitative methods, statistics or financial mathematics. |

| DEPARTMENT | PROGRAMME | DURATION | TUITION FEES | ENTRY REQUIREMENTS |
|--------------------------------------|--|---|--------------|--|
| | ● MANAGEMENT MSC | 18 months (full-time) 30 months (part-time) | RMB 180,000 | An undergraduate degree in business related subjects (perferred). |
| | ▀ MANAGEMENT MRES | 24 months (full-time) | RMB 200,000 | An undergraduate degree in business, economics, management, accounting, finance, science, engineering or other relevant disciplines. |
| | ● OPERATIONS AND SUPPLY CHAIN MANAGEMENT MSC | 18 months (full-time), 36 months (part-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in any discipline. |
| | ● PROJECT MANAGEMENT MSC | 18 months (full-time), 30 months (part-time) | RMB 180,000 | An undergraduate degree (UK 2:1 or equivalent) in any discipline. |
| INTERNATIONAL BUSINESS SCHOOL SUZHOU | | | | An undergraduate degree (UK 2:1 or equivalent) in accounting. It is essential to have passed at least four ICAEW Certificate Level (CFAB) papers on entry. Equivalent degrees or papers are also acceptable if qualified as Credit for Prior Learning by ICAEW or ACCA. Students who have not completed CFAB will need to do so prior to seeking full membership of the ICAEW. Applicants who do not have an equivalent UK degree in Accounting will also be considered if they have completed the six ICAEW Certificate Level (CFAB) papers or equivalent. Applicants with a professional background rather than a degree need to demonstrate relevant training record and working experience in an accounting and finance environment. Such applications will be assessed on a case-by-case basis and are subject to approval by XJTLU Academic Affairs. |
| | ● PROFESSIONAL ACCOUNTING MSC | 18 months (full-time) | RMB 180,000 | |
| SCHOOL OF SCIENCE | ◆ ADVANCED CHEMICAL SCIENCES MRES | 24 months (full-time) | RMB 200,000 | Bachelor Degree in chemistry or related discipline. The computational chemistry pathway will also accept chemical/molecular biology, condensed matter physics, mathematics, and materials science. |
| | ◆ ENVIRONMENTAL SCIENCES MRES | 24 months (full-time) | RMB 200,000 | An undergraduate degree in a relevant field, such as environmental science, environmental engineering, chemistry, biology, ecology, geography, and geology. |

| DEPARTMENT | PROGRAMME | DURATION | TUITION FEES | ENTRY REQUIREMENTS |
|-----------------------------------|--|-----------------------|--------------|--|
| SCHOOL OF SCIENCE | ◆ MOLECULAR BIOSCIENCE MRES | 24 months (full-time) | RMB 200,000 | Bachelor Degree in life science or related discipline. |
| | ● MATERIALS SCIENCE AND ENGINEERING MRES | 24 months (full-time) | RMB 200,000 | An undergraduate degree in engineering or related science fields |
| | ◆ BIOINFORMATICS MRES | 24 months (full-time) | RMB 200,000 | Bachelor Degree in any relevant disciplines, such as biological sciences, medical sciences, physics, computing sciences, mathematics, biostatistics, and biomedical engineering. |
| | ● ACTUARIAL SCIENCE MSC | 18 months (full-time) | RMB 150,000 | An undergraduate degree in mathematics or related field or Industrial experience deemed to be the equivalent to an Honours degree in a mathematics-related discipline. Applicants for this category will have to comply with the University's procedures for non-standard entry. |
| SCHOOL OF MATHEMATICS AND PHYSICS | ◆ DATA SCIENCE MSC | 24 months (full-time) | RMB 200,000 | An undergraduate degree or equivalent in mathematics, statistics, computer science, data science, finance related discipline. Industrial experience in related fields would be an advantage. |
| | ● FINANCIAL MATHEMATICS MSC | 18 months (full-time) | RMB 180,000 | Bachelor of Science or equivalent with a strong mathematics background. |
| | ● APPLIED MATHEMATICS MSC | 18 months (full-time) | RMB 180,000 | Bachelors Degree (UK 2:1 or equivalent) in mathematics or related subject. |



| DEPARTMENT | PROGRAMME | DURATION | TUITION FEES | ENTRY REQUIREMENTS |
|---------------------------------------|---|---|--------------|--|
| XJTLU WISDOM LAKE ACADEMY OF PHARMACY | ◆ PHARMACEUTICAL SCIENCES MRES | 24 months (full-time), 36 months (part-time) | RMB 200,000 | With a Bachelor's degree or relevant career experience in pharmaceutical sciences, chemistry, chemical engineering, biological science, medicine, material science, computer science, bioinformatics, management, biopharmaceuticals, food science or medicine/pharmacy related programmes. |
| | ◆ APPLIED STATISTICS MSC(BIOSTATISTICS) | 24 months (full-time) | RMB 200,000 | With a Bachelor's degree or relevant career experience in Mathematics and Data Analysis subjects such as Statistics, Applied Mathematics and Economics, etc.; or in Health-related subjects such as Epidemiology, Clinical and Preventive Medicine and Biomedical Science, etc. |
| | ◆ MEDICINAL CHEMISTRY MRES | 24 months (full-time), 36 months (part-time) | RMB 200,000 | With a Bachelor's degree or relevant career experience in pharmaceutical sciences, chemistry, chemical engineering, biological science, medicine, material science, pharmaceuticals, food science, etc. |
| ENTREPRENEUR COLLEGE TAICANG | ■ ENTREPRENEURSHIP AND INNOVATION MSC | 24 months (full-time) 42 months (part-time) | RMB 200,000 | Normally a good first degree (UK 2.1 or international equivalent) in any discipline. Applicants must also submit a one-page business idea that they may wish to explore, or explain an area of interest as part of the application process. Students who did not study a business or numeracy degree as their first degree may be asked to undertake a short numeracy-based pre-sessional programme. |
| | ■ ADVANCED MICROELECTRONIC TECHNOLOGY AND MATERIALS MRES | 24 months (full-time) | RMB 200,000 | Bachelor Degree in Electrical Engineering and Electronics, Materials Science, Engineering, or related areas. |
| | ■ ADVANCED ROBOTICS SYSTEMS MSC | 24 months (full-time) 36 months (part-time) | RMB 200,000 | Bachelor Degree in Electrical Engineering, Mechanical Engineering, Manufacturing Engineering, Robotics, Industrial Engineering, Computer Science or related areas. |
| | ■ ARTIFICIAL INTELLIGENCE MSC | 24 months (full-time) | RMB 200,000 | Bachelors Degree (UK 2:1 or equivalent) in Computer science, electronic engineering, IoT, digital media technology, or other degrees with substantial STEM content. |
| | ■ DIGITAL BUSINESS MSC | 24 months (full-time) | RMB 200,000 | Bachelors Degree (UK 2:1 or equivalent) in finance, accounting, business, economics, management, supply chain, marketing, science, engineering, or a related discipline. |
| | ■ INTELLIGENT ENGINEERING SCIENCE & INDUSTRIAL OPERATIONS MSC | 24 months (full-time) 36 months (part-time) | RMB 200,000 | STEM background or other related areas or experiences. |

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, the following subjects of XJTLU are ranked in the top 300:

Computer Science (201-250)
Social Sciences (201-250)
Engineering (251-300)

ENGLISH REQUIREMENTS

- ◆ IELTS: 6.0 (min 5.5 in all skills) / TOEFL iBT: 80 (min 18 in all skills)
- IELTS: 6.5 (min 5.5 in all skills) / TOEFL iBT: 90 (min 18 in all skills)
- IELTS: 6.5 (min 6.0 in all skills) / TOEFL iBT: 90 (min 21 in all skills)
- ▲ IELTS: 7.0 (min 6.0 in all skills) / TOEFL iBT: 100 (min 21 in all skills)

MINIMUM ENTRY REQUIREMENTS

UK: 2:1 or equivalent

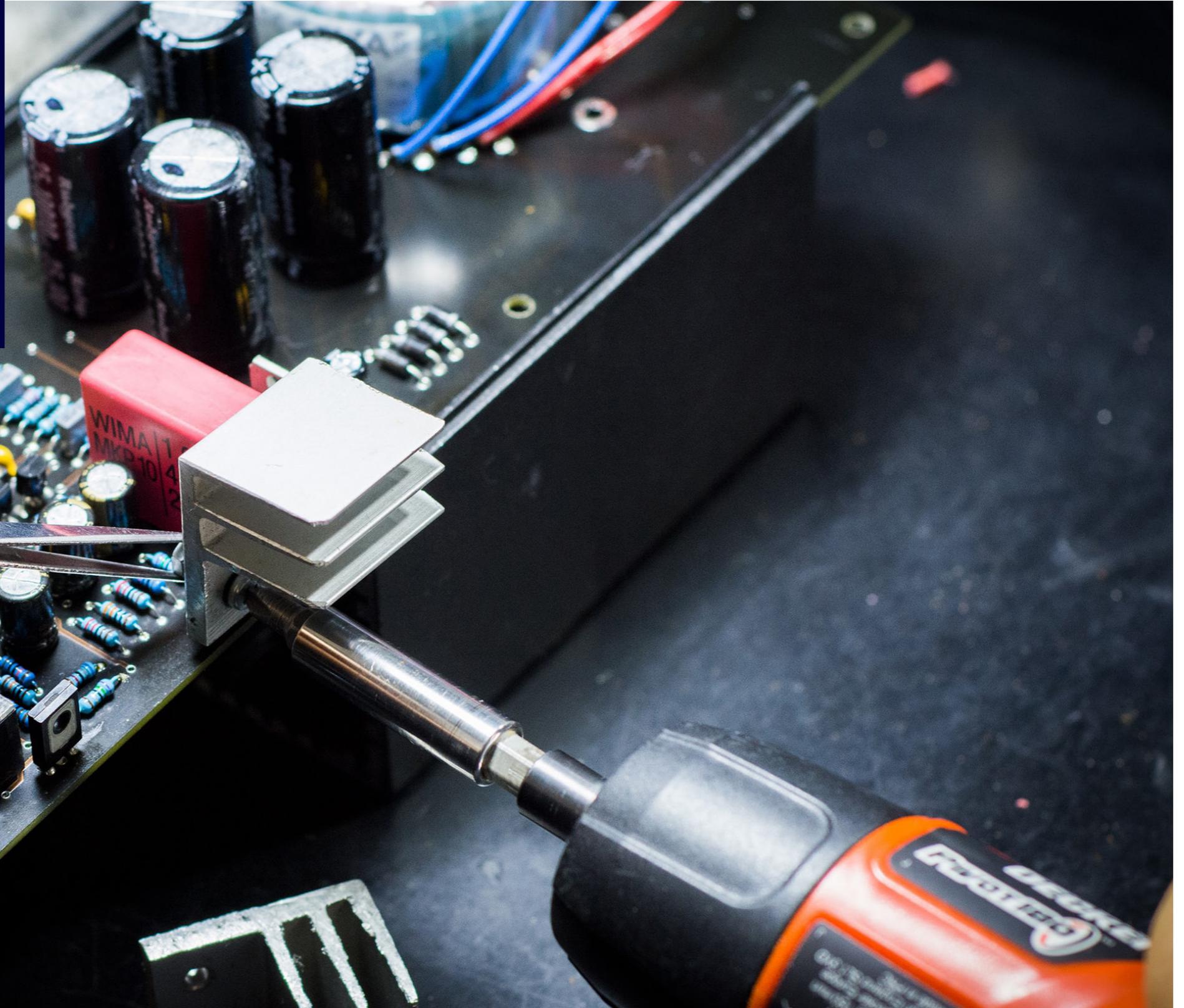
China: Overall weighted average 75-85%, depending on the institution.

North America: GPA 3.0 out of 4 or 3.2 in the final two years of UG study



SCHOOL OF ADVANCED TECHNOLOGY

As a research and practice-led school, our faculty and staff are committed to providing students with a challenging and stimulating environment, as well as unlocking their full potential. Upon graduation, students will become highly sought-after candidates with strong academic knowledge, as well as extensive transferable skills in communication, teamwork and project management.



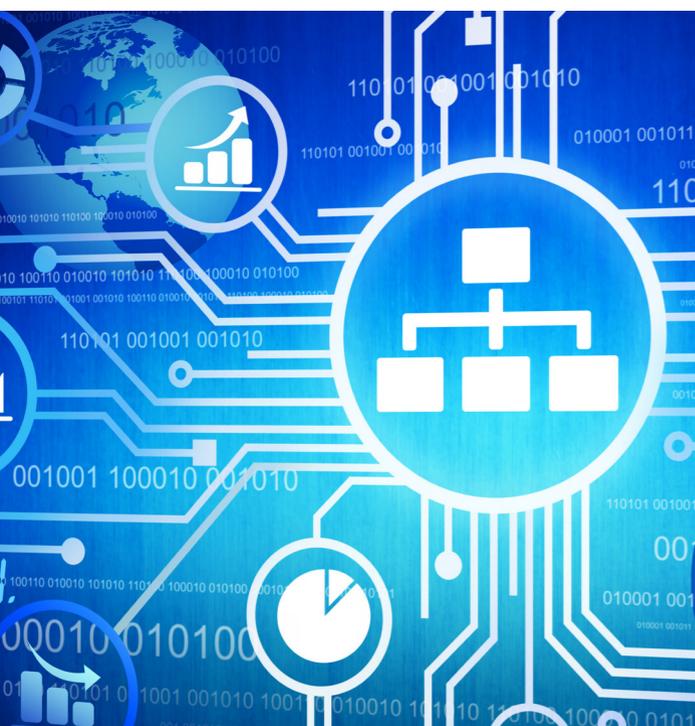
APPLIED INFORMATICS MSc

Computer Systems have become an increasingly important part of our society and our working lives. Virtually all modern organisations rely heavily on computer systems, creating a huge demand for suitably qualified computing professionals.

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.

During the programme, you will conduct a 12-month extensive research project of your choice that leads to submission of a dissertation.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201–250th in Computer Science.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Applied Informatics, you will have:

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

WHY STUDY APPLIED INFORMATICS AT XJTLU?

- Learn in-depth knowledge about the development of quality computer-assisted solutions to problems, the design and management of efficient and effective problem-solving processes, based on the modern methods and frameworks of informatics;
- Gain skills and knowledge for working across a wide range of industries in a rich interdisciplinary environment;
- Engage in research under the supervision of staff with the possibility of presenting your results at international conferences and publishing in leading journals;
- Take advantage of placement opportunities for career development and practical experience to complement your theoretical studies;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for roles such as systems analyst, manager, software engineer, application architect, developer and project leaders in the IT industry. The programme also offers a solid foundation for graduates interested in pursuing a PhD programme either in China or abroad.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

RESEARCH METHODS
DATA MINING AND BIG DATA ANALYTICS

SEMESTER TWO:

SOFTWARE ARCHITECTURES
TECHNOLOGICAL PROJECT MANAGEMENT

SEMESTER THREE:

MSC DISSERTATION PROJECT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

✓ ATTENDANCE
Full time

🕒 DURATION
18 months

🎓 QUALIFICATION
University of Liverpool
MSc Applied Informatics

Information subject to change.
Scan the QR code for updates.



OPTIONAL MODULES

SEMESTER ONE:

OBJECT ORIENTED PROGRAMMING
INTERACTIVE SYSTEMS
FUNDAMENTALS OF MACHINE LEARNING
SPOKEN LANGUAGE PROCESSING
IMAGE AND VIDEO PROCESSING
COMPUTATIONAL METHODS IN FINANCE I

SEMESTER TWO:

SOCIAL WEB PROGRAMMING
SOCIAL NETWORK ANALYSIS
MOBILE COMMUNICATIONS
INFORMATION SECURITY
GAME DESIGN AND DEVELOPMENT

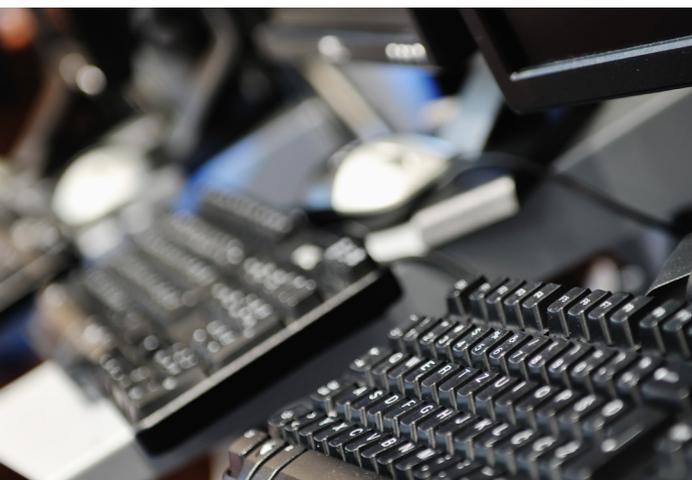
COMPUTER SCIENCE MRes

We live in a world where technology, underpinned by computer science, touches almost all aspects of our daily lives. In the rapidly changing field of computer science, new opportunities are constantly being created for innovative professionals who can understand, analyse and harness technology to improve the way we live and work.

The MRes Computer Science programme is designed to develop your research skills while allowing you to specialise in a specific field of study in computer science discipline. Depending on your interests and career goals, you can choose to specialise in any one of a variety of emerging areas such as Artificial Intelligence, Visual Analytics, Big Data Analysis, Robotics or Virtual Reality.

The programme will prepare you for future employment in a specialised area of the IT industry or for a career in academic research or industrial research and development.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201–250th in Computer Science.



WHAT YOU WILL LEARN

By the time you graduate from the MRes Computer Science programme, you will have:

- an advanced understanding of the theoretical fundamentals of current trends in computer science
- knowledge of state-of-the-art key research issues in specialised areas of computer science
- skills in project management and the design, implementation and evaluation of IT solutions.

WHY STUDY COMPUTER SCIENCE AT XJTLU?

- Engage in research under the supervision of staff with the possibility of presenting your results at international conferences and publishing in leading journals;
- Benefit from the Research Institute of Big Data Analytics at XJTLU, developed in collaboration with IBM and the Suzhou International Science-Park Data Centre;
- Gain skills and knowledge for working across a wide range of industries in a rich interdisciplinary environment;
- Take advantage of placement opportunities for career development and practical experience to complement your theoretical studies;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education;

CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared for employment in positions such as research and development engineer, systems developer and project leader in IT companies. The programme also offers a solid foundation to pursue a PhD and a career in research.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Computer Science

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

RESEARCH METHODS
RESEARCH PROJECT MANAGEMENT

SEMESTER TWO:

MRES DISSERTATION PROJECT

SEMESTER THREE:

MRES DISSERTATION PROJECT

OPTIONAL MODULES

SEMESTER ONE:

CLOUD COMPUTING
OBJECT ORIENTED PROGRAMMING
INTERACTIVE SYSTEMS
FUNDAMENTALS OF MACHINE LEARNING
DATA MINING AND BIG DATA ANALYTICS
SPOKEN LANGUAGE PROCESSING

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

FINANCIAL COMPUTING MSc

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 tech-savvy 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 and emerging interdisciplinary areas that combine computer science and finance. You will graduate with the computational techniques and financial knowledge to deliver effective and innovative business solutions.

You will have access to specialist lab facilities for operating systems, networking, mobile computing and multimedia technology that will support your learning and research.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201-250th in Computer Science.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Financial Computing programme, you will have:

- theoretical and practical knowledge of key areas of finance and computing in both industry and research
- a solid understanding 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.

WHY STUDY FINANCIAL COMPUTING AT XJTLU?

- Take advantage of the Financial Lab and Trading Floor located on campus, which gives you access to a world of data for study and research purposes;
- Benefit from the Research Institute of Big Data Analytics at XJTLU, developed in collaboration with IBM and the Suzhou International Science-Park Data Centre;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared roles such as software engineer, database specialist, infrastructure manager, financial analyst, financial consultant, business analyst, system analyst, investment analyst, e-finance architect, credit manager, portfolio manager, business intelligence executive, wealth services officer, and risk management auditor.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Financial
Computing

Information subject to change.
Scan the QR code for updates.



MODULES

COMPULSORY MODULES

SEMESTER ONE:

ACCOUNTING AND FINANCIAL MANAGEMENT
RESEARCH METHODS
DATA MINING AND BIG DATA ANALYTICS

SEMESTER TWO:

SOFTWARE ARCHITECTURES

SEMESTER THREE:

MSC DISSERTATION PROJECT

OPTIONAL MODULES

SEMESTER ONE:

CLOUD COMPUTING
INTERACTIVE SYSTEMS
FUNDAMENTALS OF MACHINE LEARNING

SEMESTER TWO:

SOCIAL WEB PROGRAMMING
INFORMATION SECURITY
INTERNATIONAL FINANCE AND ECONOMICS
ADVANCED CORPORATE FINANCE
ALTERNATIVE INVESTMENTS AND STRATEGIES
ADVANCED INVESTMENTS
DATA MINING AND MACHINE LEARNING

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

HUMAN-COMPUTER INTERACTION MSc

Human-Computer Interaction (HCI) has become one of the most important areas for the success of modern computing technologies and software applications. Specialists with skills in HCI are in great demand to help deliver solutions within increasingly dynamic and complex environments and for increasingly diverse uses.

The MSc Human-Computer Interaction programme aims to address the market demand for HCI professionals able to apply their skills to design, implement, and evaluate traditional and emergent 'interactive technologies'. This programme integrates the latest research advances in the field of HCI, powering a unique research-led teaching and learning environment. The knowledge and skills offered by this programme can be applied to an ever-growing range of areas:

- Artificial intelligence and robotics
- Information visualisation and data analytics
- Digital entertainment and mobile applications
- Social media development
- Virtual/augmented/mixed reality applications.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTU ranked 201-250th in Computer Science.

WHAT YOU WILL LEARN

By the time you graduate from the MSc Human-Computer Interaction programme, you will have:

- In-depth understanding of the latest developments in the field of HCI and related disciplines
- Theoretical and practical knowledge in designing, developing, and evaluating new human-centric interactive technologies and applications
- Advanced capabilities in the creation and improvement of innovative technologies.

WHY STUDY HUMAN-COMPUTER INTERACTION AT XJTU?

- Tailor your studies to suit your career ambitions with modules such as human-robot interaction, information visualisation, artificial intelligence and more
- Benefit from specialised on-campus lab facilities for virtual reality, augmented reality, tactile/tangible/mid-air gesture-based interaction interfaces and other technologies
- Engage in research under the supervision of staff with the possibility of presenting your results at international conferences and publishing in leading journals
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

In addition to offering a solid foundation for future PhD pursuits and careers in research, graduates from this programme will be able to perform roles including:

- Usability analyst/specialists
- User experience designers
- Human factor engineers
- Application developers
- Interaction designers
- Video-game designers/developers
- Computer-robot interaction specialists
- Information engineers.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

RESEARCH METHODS
INTERACTIVE SYSTEMS
EVALUATION METHODS AND STATISTICS

SEMESTER TWO:

ARTIFICIAL INTELLIGENCE
HUMAN-ROBOT INTERACTION
INFORMATION VISUALIZATION

SEMESTER THREE:

MSC DISSERTATION PROJECT

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Human-Computer
Interaction

Information subject to change.
Scan the QR code for updates.



OPTIONAL MODULES

SEMESTER ONE:

OBJECT ORIENTED PROGRAMMING
FUNDAMENTALS OF MACHINE LEARNING

SEMESTER TWO:

SOCIAL WEB PROGRAMMING
GAME DESIGN AND DEVELOPMENT
DATA MINING AND MACHINE LEARNING

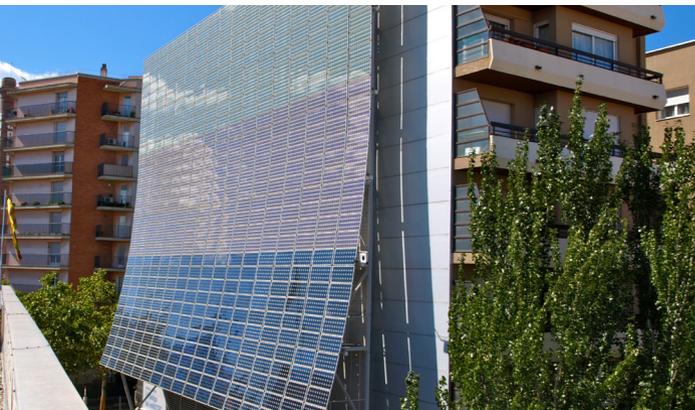
LOW CARBON ELECTRICAL POWER AND ENERGY TECHNOLOGY MRes

The MRes Low Carbon Electrical Power and Energy Technology programme provides you with advanced and systematic education and training in the areas of electronic science and technology.

Designed in response to the rapid development of electric power and energy technology in China and worldwide, the programme contains modules covering solar converters, wind power systems, energy storage technology and smart grids.

There is a strong emphasis on hands-on experience and practical skills development. A 12-month extensive research project is required which leads to submission of a dissertation after students have finished the taught modules.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTU ranked 251-300th in Engineering.



WHAT YOU WILL LEARN

By the time you graduate from the MRes Low Carbon Electrical Power and Energy Technology programme, you will have:

- an understanding of state-of-the-art electrical power and energy technology
- the ability to research and critically evaluate trends in current technologies of energy management, sustainability, renewable energy and nuclear energy
- skills in planning, project management and communicating complex ideas
- experience in conducting extended research and developing project work.

WHY STUDY LOW CARBON ELECTRICAL POWER AND ENERGY TECHNOLOGY AT XJTU?

- Learn in world-class facilities with advanced experimental equipment, including a network analyser, power analyser and electrical machine testing system;
- Engage in cutting-edge research areas such as intelligent and efficient utilisation of emerging electrical power and energy technologies;
- Benefit with the University's close links with international universities, research centres and industry;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for roles in research and development, particularly in the area of electrical power and energy. Graduates may find employment in positions such as electric power system engineer, electric power system consultant, electrical technology consultant, electric power project manager, and sustainable cities and building design consultant.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Low Carbon
Electrical Power and
Energy Technology

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

RESEARCH METHODS
SUSTAINABLE ENERGY AND ENVIRONMENT
POWER SYSTEM NETWORK AND SMART GRID
NUCLEAR ENERGY TECHNOLOGY

SEMESTER TWO:

MRES DISSERTATION PROJECT

SEMESTER THREE:

MRES DISSERTATION PROJECT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

MULTIMEDIA TELECOMMUNICATIONS MSc

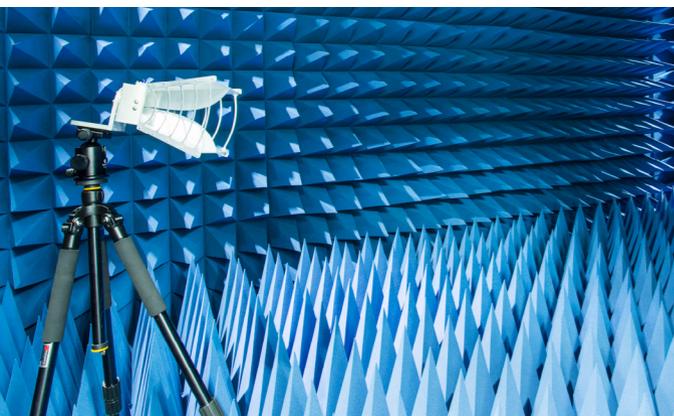
Artificial intelligence (AI) is playing an increasingly important role in our lives with many traditional jobs expected to be replaced by machines operating with AI technology.

This programme equips you to become a leader in this dynamic, technology-driven era by giving you specialised knowledge of AI technologies including deep learning, computer vision, and image and video processing.

With focus on multimedia and wireless communications, you will learn about the technical characteristics of a wide range of technologies and systems, including 4G and 5G for mobile networking.

It is technologically challenging to deliver multimedia applications and services efficiently over emerging and diverse wireless networks. This programme is designed to help you meet this challenge as an engineer with a deep understanding of wireless and multimedia technologies.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 251-300th in Engineering.



CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared to pursue careers in the fields of image and video communications, artificial intelligence and computer vision. Graduates go on to find employment in roles such as multimedia systems engineer, artificial intelligence developer, multimedia system and information technology consultant, mobile projects manager, wireless and mobile communication consultant, and in a range of leadership positions in the multimedia and communications

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

👤 **ACCREDITATION**
IET

🎓 **QUALIFICATION**
University of Liverpool
MSc Multimedia
Telecommunications

Information subject to change.
Scan the QR code for updates.



MODULES

COMPULSORY MODULES

SEMESTER ONE:

DATA COMMUNICATION AND COMMUNICATION NETWORKS

IMAGE AND VIDEO PROCESSING

DEEP LEARNING IN COMPUTER VISION

SEMESTER TWO:

ADVANCED SIGNAL PROCESSING

MULTIMEDIA COMMUNICATIONS

CODING AND CRYPTOGRAPHY

SEMESTER THREE:

MSC DISSERTATION PROJECT

OPTIONAL MODULES

SEMESTER ONE:

ADVANCED PATTERN RECOGNITION

REINFORCEMENT LEARNING

SEMESTER TWO:

MOBILE COMMUNICATIONS

DATA MINING AND MACHINE LEARNING

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

WHAT YOU WILL LEARN

By the time you graduate from the MSc Multimedia Communications, you will have:

- an advanced understanding of cutting-edge technologies, giving you a competitive edge in the job market
- the ability to work in complex professional environments and find innovative solutions for technical problems.

WHY STUDY MULTIMEDIA TELECOMMUNICATIONS AT XJTLU?

- Learn how emerging networking systems enable new applications including triple services for mobile networks, digital television, video streaming, interactive gaming, navigation services, and emergency and healthcare applications;
- Study on a world-class campus with excellent research facilities and advanced experimental equipment;
- Gain practical experience through opportunities to participate in national or industry-funded projects;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

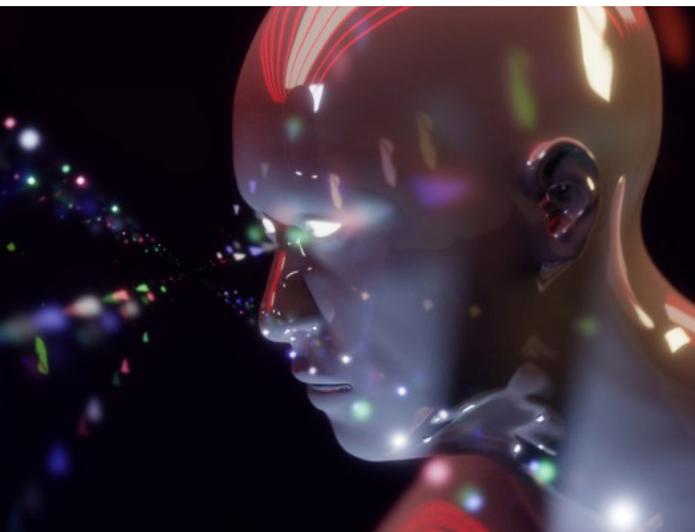
PATTERN RECOGNITION AND INTELLIGENT SYSTEMS MRes

This research-intensive programme develops advanced skills, education and training in the areas of artificial intelligence research, including pattern recognition, computer vision, machine intelligence, and intelligent systems.

With a strong emphasis on hands-on experience and practical skills development, you will gain in-depth knowledge and understanding of topics such as advanced pattern recognition, deep learning in computer vision, image and video processing, and reinforcement learning.

After successfully completing all taught modules, students are required to carry out a one-year-long research project.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTU ranked 251-300th in Engineering.



WHAT YOU WILL LEARN

By the time you graduate from the MRes Pattern Recognition and Intelligent Systems, you will be able to:

- use knowledge and theories to solve practical problems in the field of image processing, video processing, and computer vision;
- use mathematical knowledge and theories to solve practical problems in the field of pattern recognition, machine learning, deep learning and reinforcement learning;
- demonstrate a deep understanding of research methods and creative problem-solving skills: identifying engineering problems and the critical analysis, design and implementation of an innovative solution;
- work productively with improved organisation, information handling and project management skills.

WHY STUDY PATTERN RECOGNITION AND INTELLIGENT SYSTEMS AT XJTU?

- Take advantage of excellent research facilities equipped with advanced experimental equipment and modern computer labs, supported by world-class research experts in the area of machine learning and pattern recognition;
- Work in cutting-edge research areas and have close cooperation with famous research institutes and industry to solve major challenges;
- Gain advanced research skills in a fast-growing field with good job prospects around the world.
- Taught in English by highly-experienced academic staff with wide variety of international backgrounds;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

There is huge market demand for research expertise in the areas of pattern recognition, machine intelligence, deep learning, and computer vision.

Graduates from this programme will be equipped with the skills and knowledge needed to go on to doctoral training or professional practice in research & development engineering companies such as Microsoft, Google, Facebook, Baidu, Alibaba or Tencent.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Pattern Recognition
and Intelligent Systems

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

IMAGE AND VIDEO PROCESSING
DEEP LEARNING IN COMPUTER VISION
ADVANCED PATTERN RECOGNITION
REINFORCEMENT LEARNING

SEMESTER TWO:

MRES DISSERTATION PROJECT

SEMESTER THREE:

MRES DISSERTATION PROJECT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

SOCIAL COMPUTING MSc

The internet revolution has generated a social interactive environment that creates new business opportunities for enterprises. The MSc Social Computing programme addresses this market demand by providing you with training for understanding, managing, developing, implementing and commercialising interactive social media on the internet.

There are growing employment opportunities in this emerging field with many international software development enterprises such as Microsoft and Google, equipped with their own social computing and media development teams. A number of IT enterprises, including Apple and Oracle, own products with social computing functions while many companies successfully turn significant profits through social network sites such as Facebook, Amazon and TaoBao.

You will graduate equipped with the knowledge and skills to forge a successful career in the new interdisciplinary area of social informatics and internet computing.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201-250th in Computer Science.



WHAT YOU WILL LEARN

By the you graduate from the MSc Social Computing, you will have:

- theoretical and practical knowledge of key areas of social business and social computing in both industry and research
- the ability to apply your skills in management, design and implementation of IT-based solutions to social business and computation domains
- practical skills in research, analysis, realisation and evaluation of technical or research documents in social commerce and social computing.

WHY STUDY SOCIAL COMPUTING AT XJTLU?

- Benefit from specialist lab facilities for operating systems, networking, mobile computing and multimedia technology located on campus;
- Take advantage of XJTLU's strategic location close to many international high tech companies with opportunities for networking, internships and site visits;
- Tailor your studies to suit your career ambitions with modules in big data analytics, computer systems security and more available;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for positions such as research and development engineer, systems developer, and project leader in IT companies. The programme also offers a solid foundation to pursue further study at a doctoral level.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Social Computing

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

CLOUD COMPUTING

RESEARCH METHODS

SOCIAL MEDIA MARKETING

SEMESTER TWO:

SOCIAL WEB PROGRAMMING

SOCIAL NETWORK ANALYSIS

TECHNOLOGICAL PROJECT MANAGEMENT

SEMESTER THREE:

MSC DISSERTATION PROJECT

OPTIONAL MODULES

SEMESTER ONE:

OBJECT ORIENTED PROGRAMMING

INTERACTIVE SYSTEMS

DATA MINING AND BIG DATA ANALYTICS

SEMESTER TWO:

INFORMATION SECURITY

SOCIAL COMMERCE

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

SUSTAINABLE ENERGY TECHNOLOGY MSc

Designed in response to a growing skills shortage of engineers with a high level of training in renewable energy, smart grids and sustainability, the MSc Sustainable Energy Technology programme provides you with an advanced education in the fields of sustainable energy generation, distribution and consumption.

You will gain a thorough understanding of sustainability standards, various renewable energies, smart grid and power electronics for renewable energy and energy use management in buildings, urban design and other areas.

You will graduate ready to forge a successful career in sustainable energy technology, where recent developments have led to many job opportunities opening up in industry, government institutions and research centres.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 251-300th in Engineering.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Sustainable Energy Technology, you will have:

- hands-on experience working with advanced experimental equipment including a network analyser, power analyser, Dspace controller, wind turbine and PV testing system
- knowledge of the latest sustainability energy technology and strategies and how to apply them in a practical context
- the ability to work in complex professional environments and find innovative solutions for technical problems.

WHY STUDY SUSTAINABLE ENERGY TECHNOLOGY AT XJTLU?

- Study in world-class facilities including a power electronics laboratory equipped with advanced experimental equipment, a sustainable energy laboratory equipped with a 600W wind turbine, two 270W solar modules, batteries, an inverter with sinusoidal output and main controller and an electric machine and power system laboratory
- Engage in cutting-edge research areas such as the intelligent and efficient utilisation of solar, wind energy and other renewable energy sources
- Benefit with the University's close links with international universities, research centres and industry
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for positions such as electric power system engineer, electric power system consultant, electric power projects manager, and sustainable cities and building design consultant. Graduates may go on to work with industry and government to implement sustainable energy technologies within existing or new systems, and model and evaluate of their impact on ecosystems, economics and society.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

INTEGRATION OF ENERGY STRATEGIES IN THE DESIGN OF BUILDINGS
SUSTAINABLE ENERGY AND ENVIRONMENT
POWER SYSTEM NETWORK AND SMART GRID
NUCLEAR ENERGY TECHNOLOGY

SEMESTER TWO:

PHOTOVOLTAIC ENERGY TECHNOLOGY
RENEWABLE KINETIC ENERGY TECHNOLOGIES
POWER ELECTRONICS AND APPLICATIONS FOR RENEWABLE ENERGY
SUSTAINABLE URBAN PLANNING STRATEGIES

✓ ATTENDANCE
Full time

🕒 DURATION
18 months

👤 ACCREDITATION
IET

🎓 QUALIFICATION
University of Liverpool
MSc Sustainable Energy
Technology

Information subject to change.
Scan the QR code for updates.

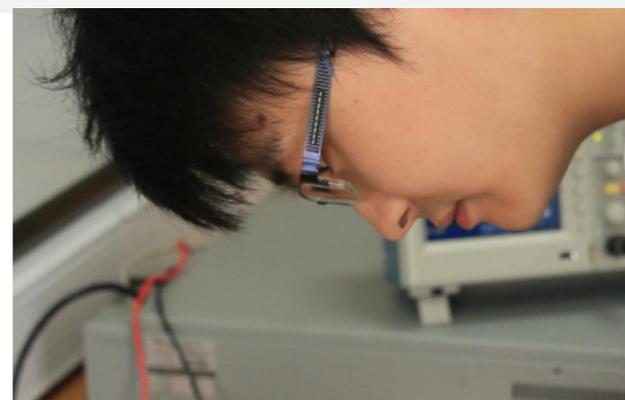


SEMESTER THREE:

MSC DISSERTATION PROJECT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



"My way of thinking about renewable energy has been enhanced, allowing me to understand major challenges we are facing to live in a sustainable environment."

HENGYANG LOU
MSC SUSTAINABLE ENERGY TECHNOLOGY
CHINA

DESIGN SCHOOL

Founded in 2020, the Design School consists of the Departments of Architecture and Design, Civil Engineering, and Urban Planning and Design. We aspire to become a leading interdisciplinary built-environment education unit in China and beyond. Our students are exposed to a research-led, interdisciplinary learning environment that amalgamates design knowledge as well as technical and management education. Our programmes in architecture and civil engineering have gained international validations and accreditations by leading professional institutions, showcasing the learning quality and global recognition of our graduates.



ARCHITECTURAL DESIGN MArch

The Master of Architectural Design educates the next generation of forward-looking global architects who have the necessary cross-cultural awareness, social and environmental responsibility, creative and critical capability, technical competence and professional attitude to enable ongoing and future transformations in the globalised building environment.

Combining an international perspective with insight into China's rapid urbanisation, the programme includes both architectural design studios and humanistic and technical modules. A student-centred learning environment offers opportunities for design-driven research and individual experimental enquiry to foster your conceptual design skills as well as research skills in preparation for both professional practice and PhD-level studies.

Students graduating from the programme qualify for Royal Institute of British Architects (RIBA) Part 2 validation, which is the second out of three stages in the formal educational process required to register as a professional architect in the United Kingdom.

RIBA 
Validated course
in architecture

 Cumulus
Association



WHAT YOU WILL LEARN

By the time you graduate from the Master of Architectural Design, you will have:

- the ability to generate complex design proposals - showing understanding of current architectural issues and originality
- competence in a comprehensive range of visual, oral and written media to test, analyse, critically appraise and explain design proposals
- the ability to creatively evaluate materials, processes and techniques that apply to complex architectural designs and building construction
- critical understanding of how knowledge is advanced through research
- an understanding of the architecture and the construction industry
- problem solving skills, professional judgement, and the confidence make decisions in complex and unpredictable circumstances.

WHY STUDY ARCHITECTURAL DESIGN AT XJTLU?

- Graduate from the only postgraduate architecture programme in mainland China validated by the Royal Institute of British Architects (RIBA) for the RIBA Part 2;
- Gain hands-on experience through internships and design studios taught by practitioners from local and international firms, focussing on a number of key themes including urban development and regeneration, sustainable living, and digital design and fabrication;
- Engage with the local Chinese context while maintaining an international perspective;
- Learn from international academic staff with opportunities to contribute to current research projects and papers and to work as teaching and research assistants;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme have an appropriate foundation for employment in the architectural profession at an advanced level. Graduates enjoy excellent employment opportunities in the building and creative industries, in local and international architecture firms, as well as in architecture administration, research and higher education institutions. The programme also provides a solid foundation for pursuing a PhD.

 **ATTENDANCE**
Full time

 **DURATION**
24 months

 **ACCREDITATION**
RIBA Part 2

 **QUALIFICATION**
University of Liverpool
Master of Architectural
Design

MODULES

Information subject to change.
Scan the QR code for updates.



SEMESTER ONE

APPLIED TECHNOLOGY IN ARCHITECTURE
DESIGN STUDIO 1
ARCHITECTURAL THEORY AND CRITICISM

SEMESTER TWO

ADVANCED PROFESSIONAL PRACTICE
DESIGN STUDIO 2
TOPICS IN ARCHITECTURAL HISTORY

SEMESTER THREE

ARCHITECTURAL DESIGN AND RESEARCH
METHODS
PRACTICE BASED ENQUIRY AND
ARCHITECTURAL REPRESENTATION
DESIGN STUDIO 3

SEMESTER FOUR

THESIS
DESIGN STUDIO 4

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

CIVIL ENGINEERING MSc

The MSc Civil Engineering programme incorporates all of the contemporary key elements of engineering design in the built environment.

During the programme, you will develop a high level of knowledge and skills in the fields of structural engineering, construction management, geotechnical engineering and innovative construction materials.

The MSc Civil Engineering programme embraces research-led teaching, where the students are actively engaged by accomplishing technical tasks, either in the form of group work or individual projects.

Comprising two semesters of taught modules, this programme also includes undertaking a research dissertation during the third semester.

The programme is accredited by the Joint Board of Moderators (JBM) as meeting the requirements for Further Learning for a Chartered Engineer (CEng), for candidates who have already acquired a partial CEng accredited undergraduate first degree.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 251-300th in Engineering.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Civil Engineering programme, you will have:

- independent critical thinking skills, which are key for the development of professional engineering insight
- a solid understanding of the theoretical aspects of the recent advances in civil engineering fields
- the ability to work in complex professional environments and find innovative solutions for technical problems.

WHY STUDY CIVIL ENGINEERING AT XJTLU?

- Graduate from a programme accredited by one of the world's most powerful professional bodies, the UK Joint Board of Moderators;
- Learn in an international environment with highly engaged staff who are experienced in both academia and industry;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education;

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for roles such as consultants or site managers in construction industry, as well as similar positions in government, and in water management and infrastructure facilities. Graduates can also find employment as structural engineers, geotechnical engineers, hydraulic and hydrologic engineers, quantity surveyors and quality managers. Alternatively, some graduates may wish to specialise in the areas that they are really passionate about and move on to further PhD studies.



ATTENDANCE
Full time
Part time

DURATION
18 months
36 months

ACCREDITATION
JBM

QUALIFICATION
University of Liverpool
MSc Civil Engineering

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE

SUSTAINABLE TECHNOLOGY AND BUILDING MATERIALS
SUSTAINABLE DRAINAGE SYSTEMS
CRITICAL STATE SOIL MECHANICS
ADVANCED CONSTRUCTION MANAGEMENT

SEMESTER TWO

SUSTAINABLE ENGINEERING WITH TIMBER
ADVANCED SIMULATION OF SUSTAINABLE STRUCTURAL SYSTEMS
ENVIRONMENTAL ENGINEERING AND MANAGEMENT PRACTICE
ADVANCED STRUCTURAL DESIGN

SEMESTER THREE

DISSERTATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

CONSTRUCTION MANAGEMENT MSc

In fast-growing countries around the world, there have been huge developments in urbanisation, infrastructure and city growth. The need to accommodate this growth requires a trained, professional workforce skilled at construction management and construction engineering techniques.

The MSc Construction Management meets this need with an interdisciplinary programme focused on the management of construction engineering projects. It covers advanced knowledge of management, economics, information engineering, civil engineering, environmental engineering, and technologies.

The design of this programme integrates social, economic and environmental aspects into construction engineering projects' life cycle; and addresses the importance of sustainability in construction to ensure that construction is carried out with limited environmental impact, or adverse impact on society.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 251-300th in Engineering.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Construction Management, you will be able to:

- apply advances in construction technologies, financing and methods to underscore the need for a sound and sustainable management of construction projects;
- understand organisational structures, business models, and the capability of implementing and applying new technologies into practice;
- work productively with improved organisation, information handling and project management skills;

WHY STUDY CONSTRUCTION MANAGEMENT AT XJTLU?

- Designed for working professionals who wish to learn specialised engineering management techniques covering planning, design, and construction of an engineering project through a project's life cycle;
- Continue your journey in construction management both in and outside China to become a chartered builder with a focus on critical thinking and independent learning;
- Taught in English by highly-experienced academic staff with wide variety of international backgrounds;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education;

CAREERS AND FURTHER STUDY

Graduates from this programme are well-prepared for careers in the environmental construction and management sectors, governmental regulatory agencies and environmental consultancies. Our alumni work in positions such as green infrastructure engineer, water resources engineer, construction site engineer, environmental consultant engineer and sustainable technology developer. Some graduates may wish to pursue a PhD degree in the areas that they are passionate about. The MSc Sustainable Construction programme can be used as Further Learning, which is needed for registering as a chartered engineer.

✓ **ATTENDANCE**
Full time
Part time

🕒 **DURATION**
18 months
36 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Construction Management

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE

ADVANCED CONSTRUCTION MANAGEMENT
CONSTRUCTION PROCESS SIMULATION
FUNDAMENTALS OF PROJECT MANAGEMENT
PROJECT EVALUATION MANAGEMENT

SEMESTER TWO

ENVIRONMENTAL ENGINEERING AND
MANAGEMENT PRACTICE
CONSTRUCTION PLANNING AND CONTROL
DIGITAL CONSTRUCTION
PROJECT STAKEHOLDER MANAGEMENT

SEMESTER THREE

DISSERTATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

INDUSTRIAL DESIGN MDes

Growth in China will redefine patterns of consumption, production, and cultural appropriation domestically and globally for generations to come. As China-based companies shift to a designed-in-China strategy and international companies seek to design for the Chinese market, career opportunities for graduates of this programme will be numerous.

The MDes Industrial Design programme is for graduates or professionals with design or engineering backgrounds, who want to deepen their design and design research thinking. You will develop an appreciation for – and practice transdisciplinary approaches towards – design solutions, including products, interactions, systems and services.

During the programme, you will gain specialist skills while maintaining a generalist, transdisciplinary outlook towards design and have the opportunity to carry out your own design research project.



CHARTERED
SOCIETY OF
DESIGNERS



WHAT YOU WILL LEARN

By the time you graduate from the MDes Industrial Design, you will have:

- an original creative approach with the ability to develop and explore new design ideas and applications;
- undertaken a final major design project to prepare you for a responsible design studio role within industry, or a project with an academic structure to prepare for doctoral study.
- strong critical, creative thinking, creative and communication skills.

WHY STUDY INDUSTRIAL DESIGN AT XJTLU?

- Benefit from the professional faculty's strong links with international design studios and manufacturing companies, giving you opportunities for internships and first design commissions;
- Enjoy a broad creative programme with a wide range of design specialties and representations, depending on your interests and career ambitions;
- Take advantage of Design competitions, study visits to Europe and collaborative Design projects with industry;
- Earn a prestigious Masters Degree as a competitive step towards becoming a fully qualified designer in international studios.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for careers as design practitioners and design managers. The programme also offers a solid foundation for graduates wishing to pursue further study in a design-related PhD.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MDes Industrial Design



Information subject to change.
Scan the QR code for updates.

MODULES

COMPULSORY MODULES

SEMESTER ONE

FRAMING DESIGN RESEARCH
PARAMETRIC DESIGN & INDUSTRY
DESIGN BEYOND CARBON

SEMESTER TWO

DESIGN FOR SOCIAL INNOVATION
METHODS FOR TRANSDISCIPLINARY DESIGN
BODY, SPACE AND MACHINE

SEMESTER THREE

DESIGN RESEARCH PROJECT

SEMESTER FOUR

DESIGN RESEARCH PROJECT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



"The program provided me a chance to discover my potential about and beyond design. Studying in the intercultural and inspirational environment made me more open-minded."

ZIYUE DING
MDES INDUSTRIAL DESIGN
CHINA



INTERNATIONAL PROFESSIONAL PRACTICE IN ARCHITECTURE MSc

This programme will be allowing architectural practitioners to develop professional and inter-personal skills, take increased leadership roles, engage in entrepreneurial activities, and develop their knowledge in International contemporary practice.

The programme will be facilitated by the Design School and other Schools and Departments, including International Business School Suzhou (IBSS) and School of Humanities and Social Sciences.

Bringing a diverse selection of modules, the programme aims to provide a unique experience tailored for individual educational needs.

There will be no pre-requisite order on the optional modules. However, the candidates would be expected to complete the programme within 18 months (full-time)/36months (part-time).



WHAT YOU WILL LEARN

MSc International Professional Practice in Architecture will enable a student to understand:

- the architectural profession and the responsibilities to clients, employers, and society;
- the economic, socio-political, and ethical influences of professional practice internationally;
- the fundamental skills in the delivery of projects;
- various construction processes and activities in the delivery of projects, with a focus on life cycle, health and safety, and project planning;
- the importance of business development and planning;
- organizational behaviours and people management theories;
- the principles of financial management in business;
- the designs that meet building user needs and comply with necessary legislation;
- sustainability rating systems and design methodologies on the basis of sustainability and life cycle.

WHY STUDY INTERNATIONAL PROFESSIONAL PRACTICE IN ARCHITECTURE AT XJTLU?

The programme can:

- provide a depth of knowledge and skills that are fundamental in contemporary practice in architecture;
- introduce participants to the complexity of running a practice within the realm of a fluctuating economy and in an international context;
- frame and evaluate the impact of environmental discourse through the lens of contemporary architectural practice;
- reflect on the economic factors that impact on architecture and architecture practice;
- explore the potential of digital tools in the contemporary practice of design and construction.

The programme will provide a range of teaching activities including lectures, seminars, coursework, discussion forums, individual work and independent group work, to suit the diverse topics covered. They will enable students to engage with real world scenarios.

CAREERS AND FURTHER STUDY

Although the programme does not lead to professional accreditation, it can enhance individual career development and help them take up more leadership responsibilities in practice. In addition, the programme provides networking opportunities with other multi-disciplinary professionals.

| | |
|---------------------|-------------------|
| ✓ ATTENDANCE | 🕒 DURATION |
| Full time | 18 months |
| Part time | 36 months |

🎓 **QUALIFICATION**
University of Liverpool
 MSc International Professional Practice in Architecture

Information subject to change.
 Scan the QR code for updates.



MODULES

COMPULSORY MODULES

SEMESTER ONE

INTEGRATION OF ENERGY STRATEGIES IN THE DESIGN OF BUILDINGS
 ARCHITECTURAL DESIGN AND RESEARCH METHODS

SEMESTER TWO

ADVANCED PROFESSIONAL PRACTICE
 FUNDAMENTALS OF PROJECT MANAGEMENT

SEMESTER THREE

THESIS

OPTIONAL MODULES

SEMESTER ONE

ACCOUNTING AND FINANCIAL MANAGEMENT
 PRACTICE BASED ENQUIRY AND ARCHITECTURAL REPRESENTATION

SUSTAINABLE TECHNOLOGY AND BUILDING MATERIALS

CONSTRUCTION PROCESS SIMULATION

PROJECT EVALUATION MANAGEMENT

INTERNATIONAL BUSINESS

SEMESTER TWO

BUILDING INFORMATION MODELLING

CONSTRUCTION PLANNING AND CONTROL

DIGITAL CONSTRUCTION

CHINA IN THE WORLD

PROJECT STAKEHOLDER MANAGEMENT

INTERNATIONAL BUSINESS

BUSINESS LEADERSHIP

ORGANISATIONAL BEHAVIOUR AND PEOPLE MANAGEMENT

ENTREPRENEURSHIP AND BUSINESS CREATION

DOING BUSINESS WITH CHINESE COMPANIES AND CONSUMERS



“Graduates from this programme will have the opportunity to develop and enhance the professional, business and inter-personal skills necessary in professional practice, with a view to offering individual career development and taking up leadership responsibilities.”

JOHN LATTO
 PROGRAMME DIRECTOR

SUSTAINABLE CONSTRUCTION MSc

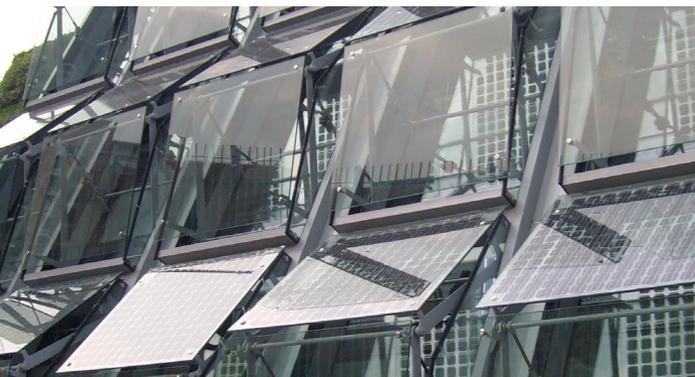
The MSc Sustainable Construction programme gives you technologically advanced knowledge, problem-solving skills and a comprehensive understanding of the key aspects of sustainability in civil engineering construction.

During your studies, you will gain a critical awareness of current and future challenges associated with the intervention of sustainability strategies and their integration in the civil engineering sector, as well as prospective solutions from existing and emerging scientific technologies.

The programme comprises two semesters of taught modules, assessed by coursework and examination, followed by a research dissertation during your third semester.

The programme is accredited by the Joint Board of Moderators (JBM) as meeting the requirements for Further Learning for a Chartered Engineer (CEng), for candidates who have already acquired a partial CEng accredited undergraduate first degree.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 251-300th in Engineering.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Sustainable Construction, you will have:

- independent critical thinking skills, which are key for the development of professional engineering insight
- a solid understanding of the theoretical aspects of the recent advances in engineering, construction and sustainability fields
- knowledge of the latest sustainability technology and strategies and how to apply them in building design
- the ability to work in complex professional environments and find innovative solutions for technical problems.

WHY STUDY SUSTAINABLE CONSTRUCTION AT XJTLU?

- Learn in an innovative and multicultural environment, which integrates professionally accredited education with modern training practices, delivered in state-of-the-art laboratory facilities and educational platforms;
- Gain a multidisciplinary perspective, with modules delivered by the departments of Civil Engineering, Architecture, Urban Planning and Electrical and Electronic Engineering;
- Graduate with a programme focussed on the growth industry of sustainable design and development in the civil engineering sector;
- Study an advanced-level curriculum enhanced by practical applications, specialised research seminars and industrial training;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for careers in the environmental construction and management sectors, governmental regulatory agencies and environmental consultancies. Graduates go on to find employment in positions such as green infrastructure engineer, water resources engineer, construction site engineer, environmental consultant engineer and sustainable technology developer.

ATTENDANCE
Full time
Part time

DURATION
18 months
36 months

ACCREDITATION
JBM

QUALIFICATION
University of Liverpool
MSc Sustainable
Construction

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE

INTEGRATION OF ENERGY STRATEGIES IN THE DESIGN OF BUILDINGS

SUSTAINABLE TECHNOLOGY AND BUILDING MATERIALS

SUSTAINABLE DRAINAGE SYSTEMS

SUSTAINABLE ENERGY AND ENVIRONMENT

SEMESTER TWO

SUSTAINABLE ENGINEERING WITH TIMBER

ADVANCED SIMULATION OF SUSTAINABLE STRUCTURAL SYSTEMS

ENVIRONMENTAL ENGINEERING AND MANAGEMENT PRACTICE

SUSTAINABLE URBAN PLANNING STRATEGIES

SEMESTER THREE

DISSERTATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



This Masters programme is amazing, with the the department providing incredible facilities, excellent professors and research-led teaching in modern sustainable construction. I have had an unforgettable experience, making friends from all around the world. This will really help improve my personal life and professional career.

JANAYNNA NAYAMI DECARLI
STUDENT, MSc SUSTAINABLE CONSTRUCTION

URBAN PLANNING MSc

The MSc Urban Planning programme provides you with an international grounding in urban planning centred on the theme of urban regeneration.

China is experiencing unprecedented urbanisation in terms of the speed and nature of growth. One of the key issues for future practitioners will be how to deal with the challenge of reusing, transforming and regenerating the existing urban fabrics of China's megacities in order to achieve a more sustainable model of urbanisation.

The programme suits students from a range of different backgrounds and it is not limited to those with an urban planning undergraduate degree. Through the programme you will gain the interdisciplinary knowledge and skills required to become an urban planner, capable of tackling urban regeneration challenges in diverse contexts, and of providing a vision for future cities.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Urban Planning, you will have:

- knowledge of the key theories and techniques that allow you to approach urban planning in a critical, communicative, collective and people-oriented way
- a comprehensive understanding of contemporary urban problems and possible planning responses
- the professional competency necessary for effective work in the urban planning profession.

WHY STUDY URBAN PLANNING AT XJTU?

- Gain a multidisciplinary perspective on urban regeneration, learning from academics from a range of disciplines (including urban planning and design, project management, policy design and geography) in a research-led teaching environment;
- Benefit from the University's strategic location of Suzhou, which blends history and modernity, making it an ideal place to explore Chinese contemporary cities and planning practices;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education and worldwide.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for careers in a range of areas including urban planning, policy development, urban design, and property development. Graduates may also find employment with community groups as an advocate to give them a voice in built environment decision-making processes, or with local and central government, and non-governmental organisations both national and international.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Urban Planning

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE

THEORY AND PRACTICE OF URBAN REGENERATION

GOVERNANCE AND FINANCE OF URBAN REGENERATION

POLITICS, SOCIETY AND PARTICIPATION

PLACE-MAKING AND URBAN DESIGN

SEMESTER TWO

FUNDAMENTALS OF PROJECT MANAGEMENT

SUSTAINABLE URBAN PLANNING STRATEGIES

HERITAGE, HISTORIC DISTRICTS AND CONSERVATION

SPATIAL ANALYSIS AND VISUALISATION

SEMESTER THREE

DISSERTATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



"Studying here enables us to think and act globally in both academic work and daily life, which is the foundation for becoming global citizens."

GAO DU
MSc URBAN PLANNING,
CHINA

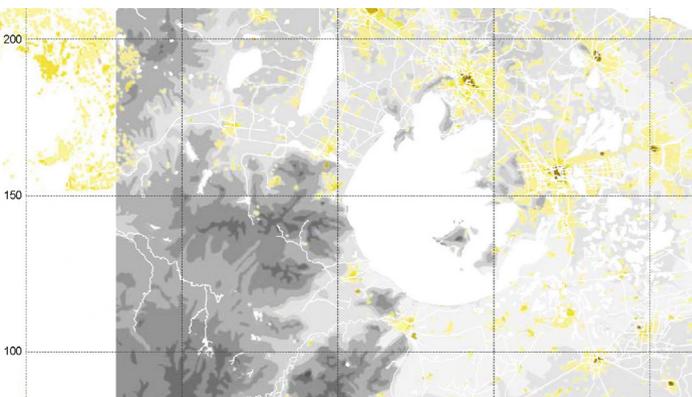


URBAN PLANNING (SPECIALISATION IN URBAN DESIGN) MSc

The MSc Urban Planning (specialisation in Urban Design) programme allows you to engage in the complex issues of urban space production in the dynamic Chinese context.

You will learn to consider the interplay between spatial design and social, economic, environmental and political issues evident in a range of urban settings. Taught with an interdisciplinary approach to the development of urban form, the programme is not limited to those with architecture or urban planning backgrounds - it is relevant to anyone interested in understanding the nature and production of spaces.

Our international teaching staff bring with them the best learning methods from some of the most prestigious universities in the world, offering you the chance to learn in a supportive, integrated learning environment.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Urban Planning (specialisation in Urban Design), you will have:

- strong critical, creative thinking and communication skills
- knowledge of the key theories and techniques of urban planning and design in a multidisciplinary context
- professional design skills in spatial analysis, representation (mapping, models), and conceptualisation (such as scenario- and vision-making).

WHY STUDY URBAN PLANNING (SPECIALISATION IN URBAN DESIGN) AT XJTLU?

- Study in the Suzhou-Shanghai region, one of the most exciting environments to learn about and experiment with urban design in the 21st century;
- Gain a multidisciplinary perspective with modules taught by both the Department of Architecture and the Department of Urban Planning and Design;
- Learn in an international environment from staff with strong academic backgrounds and industry experience;
- Earn a University of Liverpool degree.

CAREERS AND FURTHER STUDY

This programme equips graduates for dynamic careers in urban design across both public and private sectors. Potential career paths are not limited to urban design but also encompass roles such as sustainability specialists, project coordinator, and professional consultant. In these roles, graduates leverage their expertise in land use planning, community development, urban management, and the revitalisation of infrastructure and facilities. These positions afford graduates a unique opportunity to actively participate in the crafting of sustainable, functional, and vibrant urban spaces.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Urban Planning
(Specialisation in Urban
Design)



Information subject to change.
Scan the QR code for updates.

MODULES

COMPULSORY MODULES

SEMESTER ONE

ARCHITECTURAL THEORY AND CRITICISM
FUNDAMENTALS OF URBAN DESIGN
PLACE-MAKING AND URBAN DESIGN

SEMESTER TWO

URBAN DESIGN INQUIRY (STUDIO)
SUSTAINABLE URBAN PLANNING STRATEGIES

SEMESTER THREE

DISSERTATION

OPTIONAL MODULES

SEMESTER ONE

THEORY AND PRACTICE OF URBAN
REGENERATION
POLITICS, SOCIETY AND PARTICIPATION

SEMESTER TWO

TOPICS IN ARCHITECTURAL HISTORY
HERITAGE, HISTORIC DISTRICTS AND
CONSERVATION
SPATIAL ANALYSIS AND VISUALISATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

The School of Humanities and Social Sciences was established in September 2020 to research and educate across different disciplines in humanities and social sciences. The School offers a wide range of degree programmes including eight undergraduate programmes, six postgraduate programmes and PhD programmes, as well as international visiting and exchange student programmes.



APPLIED LINGUISTICS (WITH SPECIALISATION IN MULTILINGUALISM) MA

The MA Applied Linguistics (with specialisation in multilingualism) offers students a wealth of knowledge and transferable skills needed in a globalised world through the power of language.

Global multilingualism has only increased with the growth of communications technologies, travel, and international trade. This cross-disciplinary programme will equip you with the knowledge and skills to understand multilingualism across the world, gain critical awareness of the issues surrounding language development, enhance intercultural communication abilities, and strengthen cooperation and collaboration among a wide range of diverse, international communities.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201-250th in Social Sciences.



WHAT YOU WILL LEARN

By the time you graduate from the Master of Applied Linguistics with a specialisation in multilingualism, you will have obtained the following:

- Knowledge of the core perspectives, research strands, practices, and main approaches to multilingualism research
- Comprehensive understanding of the significance of multilingualism to individuals, societies, and nations
- Critical understanding of theoretical and empirical research in multilingualism
- Skills needed to undertake language-based research of multilingual contexts.

WHY STUDY APPLIED LINGUISTICS (WITH SPECIALISATION IN MULTILINGUALISM) AT XJTLU?

- Learn from international staff who will introduce you to a range of perspectives on multilingualism from different disciplinary backgrounds, including linguistics, sociology, education, ethnography, etc.
- Obtain an understanding of the most pertinent linguistic issues facing the world today while maintaining a local perspective.
- Earn a University of Liverpool degree that is recognized by the Chinese Ministry of Education

CAREERS AND FURTHER STUDY

This programme prepares students for careers in the following sectors: government organisations, media and journalism, business, public relations, editing, teaching, and administration. In addition, the programme is a stepping stone for those who want to undertake a research degree in applied linguistics generally, and multilingualism in particular.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MA Applied Linguistics (with specialisation in multilingualism)

MODULES

Information subject to change.
Scan the QR code for updates.



CORE MODULES

SEMESTER ONE:

INTRODUCTION TO MULTILINGUALISM

MULTILINGUALISM IN SOCIETY

THE POLITICS OF LANGUAGE IN A GLOBALIZED WORLD

MULTILINGUAL EDUCATION AND MULTILINGUAL LITERACIES

SEMESTER TWO:

RESEARCH METHODS

DISCOURSE ANALYSIS

LANGUAGE, GLOBALIZATION AND MOBILITY

CURRENT ISSUES IN MULTILINGUALISM

RESEARCH

SEMESTER THREE:

DISSERTATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

CHINA STUDIES MA

With the rise of China as a global economic power there is an increasing demand among organisations and companies from around the world for professionals with knowledge of China's political, economic and social systems, who can also speak Chinese.

The MA China Studies provides you with in-depth knowledge of China's history, politics, society and economy, in order to equip you with a comprehensive understanding of China's complex socio-economic system.

This knowledge will give you unique and important insights, as well as the language training in Mandarin critical to operating and decision-making in the Chinese context.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201-250th in Social Sciences.



WHAT YOU WILL LEARN

By the time you graduate from the MA China Studies, you will have:

- comprehensive knowledge of China's history, culture, society, politics, and economy, as well as of China's regional, technological and social policy development
- Chinese language skills, depending on individual's starting level and goals
- strong research and analytical skills, having completed a comprehensive research project and dissertation in your final semester.

WHY STUDY CHINA STUDIES AT XJTLU?

- Learn from international experts who will introduce you to varying perspectives on China from different disciplinary backgrounds, including politics, history, economy, literature, sociology and more;
- Experience China firsthand and take advantage of XJTLU's strategic location in Suzhou - one of the most culturally and economically vibrant places in the country;
- Benefit from our research ties with key universities in China's Jiangnan region (including Shanghai, and Jiangsu and Zhejiang provinces), providing opportunities for you to spend a period of study at another university;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme pursue careers in a diverse range of companies and organisations looking to deal with or operate in China in fields such as international business, technology, media, health, government, diplomacy, journalism, education, and development. Particularly for international graduates, the China expertise and ability to speak Chinese gained during the programme will enhance career prospects in whichever field they operate in.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MA China Studies

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

CHINA'S HISTORY

CHINA'S POLITICS

CHINESE SOCIETY

CHINA'S ECONOMY

SEMESTER TWO:

CONTEMPORARY CHINESE LITERATURE AND FILM

CHINA'S WELFARE AND DEVELOPMENT

CHINA'S TECHNOLOGY AND DEVELOPMENT

CHINA'S REGIONAL DEVELOPMENT

SEMESTER THREE:

CHINA STUDIES DISSERTATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

INTERNATIONAL BUSINESS AND GLOBAL AFFAIRS MA

The Master of Arts (MA) in International Business and Global Affairs aims to develop current and future managers and potential business leaders who are able to work successfully in a world increasingly characterised by uncertainty, volatility and change.

This innovative programme is designed to equip students with the knowledge, understanding, leadership abilities, analysis skills, decision-making tools and strategic vision needed to effectively manage people, organisations and business dealings across national borders in an increasingly risky, complex and challenging world.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201-250th in Social Sciences.



WHAT YOU WILL LEARN

By the time you graduate from the MA in International Business and Global Affairs you will:

- understand the theories, debates and contemporary challenges within key thematic domains of international relations, such as regional integration, global security and peace studies, and global transformations and crises;
- improve your decision-making by better understanding business challenges in cross-border trade, investment, political risks, biodiversity loss, resources depletion, environmental degradation, climate change, food insecurity, economic development, social injustice, international mass migration, and globalisation;
- be equipped with the knowledge, understanding, leadership abilities, analysis skills, decision-making tools and strategic vision needed to effectively manage people, organisations and business in an international context;
- be able to evaluate different interpretations of world political events and global humanitarian challenges.

WHY STUDY INTERNATIONAL BUSINESS AND GLOBAL AT XJTLU?

- Learn about global economic, political and governance issues, and how they affect the environment and prospects for trade and investment across countries and regions;
- Gain a global mindset by studying at both the Department of International Studies, and at the AACSB- and EQUIS-accredited International Business School Suzhou (IBSS);
- Experience the opportunity to learn or improve your language skills in Chinese or Spanish;
- Highly-experienced academic staff with wide variety of international backgrounds;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared to start or advance their career across a variety of fields. These include: multinational and trading companies, non-profit organisations, consultancies, service providers, business facilitators, and government agencies around the world who are looking to recruit graduates with knowledge and experience of contemporary international business and management.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

INTERNATIONAL MANAGEMENT AND GLOBAL INSTITUTIONS

REGIONAL INTEGRATION AND GLOBALISATION

GLOBAL TRANSFORMATIONS AND CRISES

INTERNATIONAL BUSINESS

SEMESTER TWO:

DOING BUSINESS WITH CHINESE COMPANIES AND CONSUMERS

CHINA IN THE WORLD

TRANSNATIONAL CORPORATIONS AND GLOBAL CHALLENGES

RESEARCH METHODS FOR INTERNATIONAL BUSINESS

SEMESTER THREE:

INTERNATIONAL BUSINESS AND GLOBAL AFFAIRS DISSERTATION

✓ **ATTENDANCE**
Full time
Part time

🕒 **DURATION**
18 months
36 months

🎓 **QUALIFICATION**
University of Liverpool
MA International Business and Global Affairs

Information subject to change.
Scan the QR code for updates.



ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

INTERNATIONAL RELATIONS MA

The MA in International Relations equips you with the knowledge, research skills and analytical tools to work at an advanced level, gain profound understanding of international relations, and train you to follow careers in both public and private sectors.

The programme is designed so you can apply acquired knowledge to analyse and evaluate topics such as global governance, the history of international relations, foreign policy, inter-state cooperation, the functions of international and regional organisations, conflict, war, security and intervention, political economy and globalisation, and regional integration.

You will be supported in your academic and professional development as a scholar, analyst or policy maker in the discipline of international relations, with a focus on China's evolving role in the world.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201-250th in Social Sciences.



WHAT YOU WILL LEARN

By the time you graduate from the MA in International Relations, you will be able to:

- develop an independent way of doing research on and thinking about international relations, hence allowing you to continue with doctoral studies;
- evaluate the validity and reliability of different types of empirical data – qualitative and quantitative – and be capable of using them in policy- and decision-making;
- convincingly present, in oral and written form, your ideas and opinions.

WHY STUDY INTERNATIONAL RELATIONS AT XJTLU?

- Engage with the interdisciplinary debates of International Relations with the purpose of establishing scientifically robust explanations of relevant questions of global reach, such as climate change or migration, and with an ability to address such issues also in a narrower, regional context;
- Present a thorough understanding of how international relations work, with a deep knowledge of the socio-political phenomena, trends and actors involved in global politics as well as an accurate knowledge of the relations between the different sub-regions of the international system;
- Learn from international academics and active researchers with global experience and unique expertise on China's position and influence in the world;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates will be able to take up a wide variety of roles in companies, non-profit organisations, consultancies, think-tanks, research institutes, regional and international organisations, and government agencies around the world that seek to recruit graduates with knowledge and experience of contemporary international relations and global affairs.

The expertise on China gained from the programme, as well as the opportunity to learn Chinese or Spanish alongside your degree, will substantially enhance your career prospects.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

CURRENT DEBATES AND RESEARCH DESIGN IN INTERNATIONAL RELATIONS

CONFLICT AND INTERNATIONAL INTERVENTION

REGIONAL INTEGRATION AND GLOBALISATION

GLOBAL TRANSFORMATIONS AND CRISES

SEMESTER TWO:

CHINA IN THE WORLD

CRITICAL SECURITY STUDIES

WAR AND PEACE IN THE ASIA PACIFIC

ADVANCED RESEARCH METHODS FOR INTERNATIONAL RELATIONS

SEMESTER THREE:

INTERNATIONAL RELATIONS DISSERTATION

✓ **ATTENDANCE**
Full time
Part time

🕒 **DURATION**
18 months
36 months

🎓 **QUALIFICATION**
University of Liverpool
MA International Relations

Information subject to change.
Scan the QR code for updates.



ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

MEDIA AND COMMUNICATION MSc

The MSc in Media and Communication offers you a wealth of knowledge and transferable skills for making an impact on the media world of today and tomorrow.

Media is at the heart of the majority of business operations today and to the uninitiated it presents a daunting, fast-changing picture. In this programme, we assist you in making sense of media phenomena, be they interactive, virtual reality-bound or associated with large legacy media complexes such as broadcasting or news gathering.

You will also receive guidance in applying your own value system along corporate social responsibility lines in order to steer through the many pitfalls today's globalised mediascapes present. You will graduate equipped with the necessary knowledge and skills to become a leader and change agent in a media world full of exciting opportunities.

* In the 2021 Times Higher Education (THE) World University Rankings by Subject, XJTLU ranked 201–250th in Social Sciences.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Media and Communication, you will have:

- an advanced understanding of key issues, concepts and theories, as well as the relationship between theory and practice, in the field of media and communication
- sound knowledge of media language and its iterations on different media platforms
- strong research skills with the ability to apply them to media analysis for work purposes
- an understanding of current methodology as it is embodied in media and communication practices
- an appreciation of the current views on communicative practices, including the importance of global and local media manifestations.

WHY STUDY MEDIA AND COMMUNICATION AT XJTLU?

- Learn from international staff with prominent scholarly publication records and extensive industry experience;
- Gain practical experience through internship opportunities in large national and international media companies and industry networking events;
- Create your own media content, such as the development and dissemination of short videos and video games;
- Study on a world-class campus with cutting-edge production facilities;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates are well prepared for a career in ever-enlarging, international media environments that require multifaceted, disruptive and cutting-edge media skills and opinion leaders. Graduates can find employment in roles such as digital media entrepreneur, media company executive, digital change consultant, public relations executive, international media facilitator, and print or broadcast journalist.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Media and
Communication

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

GLOBAL MEDIA: REPRESENTATION AND CONSUMPTION

PUBLIC RELATIONS: CAMPAIGNS AND TEXTS

MEDIA THEORY IN THE DIGITAL AGE

CONTEMPORARY CHINESE MEDIA

SOCIOLOGY OF MEDIA PROFESSIONALS

VISUAL COMMUNICATION

SEMESTER TWO:

RESEARCH METHODS IN COMMUNICATION

VIDEO PRODUCTION FOR THE WEB

GLOBAL ADVERTISING

SOCIAL MEDIA CAMPAIGNS

GLOBAL JOURNALISM

PORTRAYAL OF CHINA IN WESTERN MEDIA

SEMESTER THREE:

FINAL INDIVIDUAL PROJECT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

TESOL MA

The MA TESOL programme will provide you with the opportunity to develop both a scholarly and practical understanding of the field of Teaching English to Speakers of Other Languages (TESOL).

The programme is suitable for language teachers, teacher trainers, educational materials writers and test designers who wish to further develop their range of professional skills and knowledge.

You will study in a dynamic, international environment with students from around the world and learn from highly experienced academic staff.



WHAT YOU WILL LEARN

By the time you graduate from the MA TESOL, you will have:

- an advanced understanding of key issues, theories and practices in the field of English language teaching and the connections between theory and practice
- a sound knowledge of language in context and the ability to explore the implications of language analysis for teaching purposes
- an understanding of current methodology as it is embodied in classroom practice
- the ability to engage with theories underlying current views on language learning, including the importance of individual differences amongst learners in their abilities and learning preferences
- skills to conduct academic research.

WHY STUDY TESOL AT XJTLU?

- Study in an international environment with academic staff and students from around the world;
- Benefit from XJTLU's location of Suzhou, one of the most economically and culturally vibrant places in China;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared to start or advance their career in the field of English language teaching. In China, a postgraduate qualification in TESOL is increasingly sought-after by educational institutions. Graduates may also gain employment in publishing or materials development, and management positions. The programme offers a solid foundation for further study for those interested in pursuing a MPhil, MRes, EdD or PhD.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MA TESOL

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

LINGUISTICS FOR LANGUAGE TEACHERS

METHODS IN ENGLISH LANGUAGE TEACHING

PRINCIPLES OF COURSE AND MATERIALS DESIGN

SECOND LANGUAGE ACQUISITION

SEMESTER TWO:

LANGUAGE TESTING AND ASSESSMENT

SPEAKING AND LISTENING

RESEARCH METHODS

SEMESTER THREE:

DISSERTATION

OPTIONAL MODULES

SEMESTER TWO:

DISCOURSE ANALYSIS

ENGLISH FOR SPECIFIC PURPOSES

INDIVIDUAL DIFFERENCES IN LANGUAGE LEARNING

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



"I find that when I prepare for classes, I can always draw on what I have learned from the programme and apply those things."

YUNYI ZHOU
MA TESOL
CHINA



ACADEMY OF FUTURE EDUCATION

The Academy of Future Education of Xi'an Jiaotong-Liverpool University is an educational innovation ecosystem that focuses on research, exploration, support, and dissemination of philosophy and best practices for future education. The core mission of the Academy is to impact education innovation and reform in China and beyond through a variety of projects and programmes, based on fundamental approaches in educational innovation and systemic development, designed to contribute to the future of education. The Academy supports individuals and institutions at all levels including all the K-15 schools as well as vocational education and higher education institutions.

Four units make up the Academy, namely the Department of Educational Studies (EDS), Institute of Leadership & Education Advanced Development (ILEAD), Educational Development Unit (EDU), and Learning Mall (LM).



CHILD DEVELOPMENT AND FAMILY EDUCATION MA

The family is a child's first school and parents are their first teachers. As such, the quality of family education directly affects children's physical and mental health. With the rapid growth of information technology in the 21st Century, the next generation of parents are experiencing unprecedented challenges and changes to the common family structure, leading to an increasing emphasis on child development and family education.

At present, however, there is a clear lack of family education professionals to meet this growing need. These new professionals must not only understand child development, but also be qualified to provide therapeutic relief for families struggling in the modern world.

This MA programme aims to help learners gain in-depth knowledge, skills and hands-on experience in child development and family education through the combination of research-led and practice-oriented modules. It focuses on the cultivation of transferrable skills and innovative thinking in order to guarantee our graduates great success in their future career, as well as provide the foundation for the home-school-community education paradigm that is rapidly gaining traction throughout society.

WHAT YOU WILL LEARN

Students in the MA in Child Development and Family Education programme will:

- Gain a critical understanding of key issues, concepts, and theories of child development and family education
- Understand the multiple influential factors of child development and family education from a diversified perspective
- Learn the core knowledge and concepts related to child development and family education, as well as the methods and intervention strategies needed to provide support for families and children
- Master the skills and means to assess and evaluate child development and the quality of family education
- Acquire professional experience through case analysis and teaching practice
- Conduct scientific research projects and independent learning.

WHY STUDY CHILD DEVELOPMENT AND FAMILY EDUCATION AT XJTLU?

- Immersion in studies of cutting edge theories and successful case studies, as well as broad and localised knowledge to further the study, understanding, and support of children throughout their development
- Interdisciplinary and diversified curriculum able to meet the market demand for CDFE professionals, covering education, psychology, sociology, demography and cultural research
- Research-led and practice-oriented modules, including credit-bearing internship opportunities for all students
- Six hundred hours of additional supervised learning activities throughout the programme
- An international learning environment with English as the language of instruction, providing learning opportunities with child development and family education experts and scholars
- The opportunity to earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme will be well prepared to either further their study for an EdD or PhD, or obtain employment in numerous teaching and administrative positions related to child development and family education. Possible employers include K-12 public or international schools; educational and research institutions; social and governmental organisations; children, youth and women activity centres, etc.



ATTENDANCE

Full time
Part time



DURATION

18 months
30 months



QUALIFICATION

University of Liverpool
MA Child Development
and Family Education

MODULES

SEMESTER ONE:

COMPULSORY MODULES

DEVELOPMENTAL PSYCHOLOGY

FAMILY EDUCATION: PRINCIPLES AND THEORIES

CHILD AND ADOLESCENT MENTAL HEALTH

OPTIONAL MODULES

DEVELOPING AND EVALUATING PROGRAMMES FOR CHILDREN AND FAMILIES

TEACHING CHILDREN WITH SPECIAL EDUCATIONAL NEEDS (SEN)

SEMESTER TWO:

COMPULSORY MODULES

SCHOOL AND EDUCATIONAL PSYCHOLOGY

COUNSELLING IN CHILD AND FAMILY EDUCATION: PRACTICE AND SKILLS

UNDERSTANDING FAMILIES IN EDUCATIONAL AND COMMUNITY SETTINGS

OPTIONAL MODULES

EDUCATIONAL PLACEMENT

ADVANCED EDUCATIONAL RESEARCH METHOD

SEMESTER THREE:

DISSERTATION PROJECT

Information subject to change.
Scan the QR code for updates.



ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

GLOBAL EDUCATION MA

With an increasingly mobile and globally connected population, the world is rapidly changing and faces many challenges. Education is increasingly borderless, and with this comes challenges of how to ensure quality of transnational education.

There is increasing demand for appropriately trained professionals with an understanding of the challenges faced by education and globalization as they interact together. The Masters of Global Education uniquely provides in-depth knowledge, skills and understandings through both practice and theory-based modules, enabling its graduates to make a telling future contribution to shaping tomorrow's global education needs.



WHAT YOU WILL LEARN

By the time you graduate from the MA in Global Education, you will have:

- Developed intellectual qualities of reasoning, analysis and creativity;
- Gained an advanced critical understanding of key issues, concepts and theories of global education, and education management;
- Fostered abilities of conducting a research project, skills of enquiry and independent learning;
- Experienced diverse learning activities and gained professional experience as well as capabilities through both in-class and real-life learning sessions.

WHY STUDY GLOBAL EDUCATION AT XJTLU?

- Focus on global education development since the 2000's, with a special emphasis on China and is relevant to all countries' global education development;
- The diverse modules cover topics from educational management and leadership to language and cross-culture communication;
- Highly-experienced academic staff with wide variety of international backgrounds;
- Hands-on internship experience and professional mentorship as part of the programme learning;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared to start or advance their career in transnational education across a variety of fields. These include:

- K-12 international schools;
- China-foreign cooperative universities or joint programmes;
- NGOs with focus on international education development;
- Private educational start-ups enterprises.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

GLOBALIZATION AND EDUCATION: CRITICAL PERSPECTIVES

PRINCIPLES, POLICIES AND PRACTICES OF GLOBAL EDUCATION

EDUCATIONAL LEADERSHIP

SEMESTER TWO:

ENTREPRENEURSHIP, EDUCATIONAL INNOVATION AND INTERNATIONAL EDUCATION

THE SCHOOL OF TOMORROW: MANAGING CHANGE IN GLOBAL EDUCATION

EDUCATIONAL INTERNSHIP

SEMESTER THREE:

DISSERTATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



ATTENDANCE

Full time
Part time



DURATION

18 months
36 months



QUALIFICATION

University of Liverpool
MA Global Education

Information subject to change.
Scan the QR code for updates.



DIGITAL EDUCATION MSc

We live in a digital world in an information age, which influences all fields.

Within the education field, pedagogy, instruction, content distribution, administration, and philosophy are all changing in response to digitisation. These changes will likely continue and will intersect with even more change brought about by globalisation.

A key feature of digital education, one of the crucial trends for future education, is the use of digital tools and technology in instructional practice.

Digital education is concerned with how teachers, schools, and administrators can harness the power of technology to empower learners.

The MSc Digital Education programme prepares professionals for an educational field that has been disrupted by innovative technologies.

The programme is housed in the Academy of Future Education, which is dedicated to exploring, supporting, and disseminating philosophies and best practices for future education. At micro, meso, and macro levels, our students are immersed in a setting that confronts and shapes the global challenges of education.

WHAT YOU WILL LEARN

- Understand key concepts and practices of digital education in different educational contexts;
- Explore the ways through which education practices at different levels can be improved by means of digital innovations;
- Develop the ability to use a variety of digital tools and apply them in different educational settings or for different educational purposes;
- Have proficiency in online teaching and learning practices; and
- Enrich a critical thinking mindset and creative problem-solving skills using digital tools and technologies.

WHY STUDY DIGITAL EDUCATION AT XJTLU?

- You'll learn from accomplished academic staff with a wide variety of international backgrounds;
- You'll have a diverse array of modules that address cutting-edge ideas and practices in education;
- You get the chance to study at a Sino-foreign cooperative university, the first of its kind approved by the Ministry of Education in China;
- You'll gain advanced digital education knowledge and skills in an online-onsite blended teaching and learning environment;
- You'll develop professional skills via industry-involved educational and practical opportunities;
- You'll study and develop at the Academy of Future Education, an educational ecosystem dedicated to student-centred education and educational experiences managing and leading change toward future education technology-driven education innovation;
- The Syntegrative Learning module will provide semester-long opportunities to gauge the working environments connected to digital education, through undertaking different learning pathways in digital technology industries or finding your own under consultation with the academic staff;
- The Research Project module in the final semester will provide an opportunity to investigate questions and problems in digital education independently and in depth.

CAREERS AND FURTHER STUDY

Graduates of our programme can pursue a range of exciting job roles, including:

- Education Group CTO or CIO (titles varied)
- Teacher (high level of digital literacy)
- Digital education consultant
- Learning analytics specialist
- Digital learning specialist (project management and development of digital learning products)
- Instructional designer
- Various positions at established educational technology (ed-tech) companies
- Digital education entrepreneurship
- Doctoral studies



ATTENDANCE

Full time
Part time



DURATION

24 months
36 months



QUALIFICATION

University of Liverpool
MSc Digital Education

MODULES

CORE MODULES

SEMESTER ONE:

GLOBALISATION AND EDUCATION: CRITICAL PERSPECTIVES

DESIGNING DIGITAL EDUCATION CURRICULUM

EDUCATION IN A DIGITAL SOCIETY

SEMESTER TWO:

DESIGNING AND PRACTISING DIGITAL EDUCATION

DIGITAL MEDIA AND INFORMATION LITERACY

BLENDED LEARNING IN A DIGITAL AGE

SEMESTER THREE:

SYNTEGRATIVE LEARNING

SEMESTER FOUR:

RESEARCH PROJECT

Information subject to change.
Scan the QR code for updates.



ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, are often offered at both university and school/department levels. You may also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. Such activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

INTERNATIONAL BUSINESS SCHOOL SUZHOU

IBSS is built on the strengths inherited from XJTLU's parent universities, the University of Liverpool in the UK and Xi'an Jiaotong University in China, to provide our students with a world class international business education.

Our School is based on the principles of internationalism, innovation, inspiration and integrity, which together ensure that we have a positive impact on society through our teaching, research and business engagement.

With leading international staff and a superb location in the heart of Suzhou Industrial Park close to other major commercial centres such as Shanghai and Wuxi, we enjoy ideal conditions for beneficial mutual exchange between business and academia. This underpins a learning and teaching environment that ensures our students graduate with the knowledge and skills needed to succeed in an ever-changing world.



BUSINESS ANALYTICS MSc

The rapid growth of available data is transforming the way managers, accountants, investors and marketers are working. The ability to integrate big data into business plans and decisions is becoming essential for organisations to maintain their competitive advantage.

The MSc Business Analytics programme is a response to these changes in the economic and technological environment. You will graduate as a multi-talented professional, standing in-between your chosen core field of expertise (such as management, finance, and marketing) and information technologies.

In addition to advanced business modules, the programme provides an in-depth understanding of cutting-edge data-processing and data management methods.

The programme is delivered in the International Business School Suzhou (IBSS), one of an elite group of institutions worldwide to be accredited by the Association to Advance Collegiate Schools of Business (AACSB) and European Quality Improvement System (EQUIS). Less than 100 business schools worldwide have both AACSB and EQUIS accreditation.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Business Analytics, you will have:

- a rich understanding of the opportunities and threats posed to organisations by the current increase in data availability
- an ability to analyse, model and investigate large networks of peoples and companies
- knowledge of current practices, theories and issues in a traditional field of business studies
- skills in data processing (descriptive statistics, econometrics and machine learning), problem-solving, and decision-making (using statistical and data analyses to resolve organisational problems)
- proficiency in the use of a wide variety of statistical packages suitable for analysing large data sets.

WHY STUDY BUSINESS ANALYTICS AT XJTLU?

- Study the latest data analysis techniques, making use of artificial intelligence technology such as machine learning and data mining;
- Take advantage of industry links with local companies and opportunities for work experience at big data companies in Suzhou or Shanghai;
- Learn in a practice-oriented environment, which gives you the chance to complete your training with a six-month internship within a company;
- Benefit from the Big Data Analytics and Technology Centre at XJTLU, developed in collaboration with IBM and the Suzhou International Science-Park Data Centre;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for roles such as data or information analyst, technical consultant, IT-related project manager and customer relationship management (CRM) analyst. Employment opportunities exist in every sector of the economy, particularly within the fast-growing service industries of finance, retail, marketing, and information technology.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

DATABASES AND DATA MANAGEMENT
ECONOMETRICS
INTRODUCTION TO BUSINESS ANALYTICS

CONTEMPORARY ISSUES IN THE ETHICS OF BUSINESS ANALYTICS

SEMESTER TWO:

SOCIAL NETWORK ANALYSIS
DATA MINING AND MACHINE LEARNING
BIG DATA-APPLICATIONS IN BUSINESS

SEMESTER THREE:

BUSINESS ANALYTICS DISSERTATION

OPTIONAL MODULES

SEMESTER ONE:

FINANCIAL ANALYSIS
MARKETING MANAGEMENT
SOCIAL MEDIA MARKETING
STRATEGIC BUSINESS ANALYSIS

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

👤 **ACCREDITATION**
AACSB, EQUIS, AMBA

🎓 **QUALIFICATION**
University of Liverpool
MSc Business Analytics

Information subject to change.
Scan the QR code for updates.



SEMESTER TWO:

TIME SERIES ANALYSIS
MACROECONOMICS
PORTFOLIO MANAGEMENT
STRATEGIC OPERATIONS MANAGEMENT
MODELLING AND SIMULATION OF OPERATIONS

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

ECONOMICS AND FINANCE MSc

The MSc Economics and Finance programme combines a solid foundation in economic theory and applied econometrics with the study of finance.

The study of financial microeconomics and macroeconomics will help you understand complex issues related to financial decision-making while econometrics will provide the necessary tools to perform rigorous research in applied economics and finance. In addition, finance modules will cover a wide range of subjects including portfolio theory, corporate finance, investment and strategy, and derivative instruments.

Our graduates are experts in using modern research tools to analyse the economic, financial, social, and political environment.

The programme is delivered in the International Business School Suzhou (IBSS), one of an elite group of institutions worldwide to be accredited by the Association to Advance Collegiate Schools of Business (AACSB) and European Quality Improvement System (EQUIS). Less than 100 business schools worldwide have both AACSB and EQUIS accreditation.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Economics and Finance programme, you will have:

- a solid understanding of core and advanced principles, theories and models relevant to finance and financial management
- the ability to explain, understand and apply statistical and econometric techniques and their application to the analysis of financial information and data
- knowledge of portfolio selection, risk and risk management, and the macroeconomic context of international financial transactions
- skills in creative and critical thinking, problem-solving, data collection and analysis, and report writing.

WHY STUDY ECONOMICS AND FINANCE AT XJTLU?

- Develop both economics and finance skills, giving you excellent and varied career prospects;
- Take advantage of the IBSS Financial Lab and Trading Floor located on campus, which gives you access to a world of data for study and research purposes, including data feeds from Datastream and Thomson One, and training by Thomson Reuters staff on EIKON system, the leading to a TR EIKON training certificate;
- Connect with industry through internship and work experience opportunities;
- Gain a solid foundation for PhD studies in economics and related fields;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for roles such as portfolio manager, investment strategy analyst, director of research, market risk analyst, head of investor relations, senior economist and industrial economist. Graduates can find employment in the financial sector, and with central banks and other monetary financial institutions, as well as in international organisations, academia, research institutions and the wider business sector, especially within multinational enterprises. The programme also offers a solid foundation for pursuing a PhD.



ATTENDANCE

Full time



DURATION

18 months



ACCREDITATION

AACSB, EQUIS, AMBA



QUALIFICATION

University of Liverpool
MSc Economics and Finance

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

ECONOMETRICS

FINANCIAL ECONOMICS

SEMESTER TWO:

TIME SERIES ANALYSIS

MACROECONOMICS

INTERNATIONAL FINANCE AND ECONOMICS

SEMESTER THREE:

ECONOMICS AND FINANCE DISSERTATION

OPTIONAL MODULES

SEMESTER ONE:

MICROECONOMICS

MONEY AND BANKING

ADVANCED DERIVATIVES

SEMESTER TWO:

ECONOMIC GROWTH, TECHNOLOGY AND ENVIRONMENT

ADVANCED CORPORATE FINANCE

ALTERNATIVE INVESTMENTS AND STRATEGIES

FIXED INCOME AND DERIVATIVE INSTRUMENTS

ADVANCED INVESTMENTS

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

FINANCE MSc

The MSc Finance programme gives you the tools to solve the practical financial problems that will create value for companies and enable societies to evolve.

You will gain theoretical knowledge in corporate finance and asset pricing as well as quantitative skills that will allow you to conduct research and analyse real-world problems. The study of financial economics and banking will allow you to excel in both the finance and economics sectors.

The programme combines traditional academic modules with research seminars, discussions with academics and visiting researchers and industry networking opportunities, to provide you with an integrated learning environment with strong connections to the real world.

The programme is delivered in the International Business School Suzhou (IBSS), one of an elite group of institutions worldwide to be accredited by the Association to Advance Collegiate Schools of Business (AACSB) and European Quality Improvement System (EQUIS).



WHAT YOU WILL LEARN

By the time you graduate from the MSc Finance, you will have:

- intellectual skills and theoretical understanding appropriate for the study of finance and quantitative analysis at postgraduate level
- practical skills in economics, mathematics and business linking finance theories to real-world application
- the experience of research, evaluation and analysis and the quantitative techniques to interpret complex data and research literature
- the ability to plan and undertake complex research projects in the field of finance

WHY STUDY FINANCE AT XJTLU?

- Benefit from opportunities to apply for teaching and research assistantships within IBSS as well as the wider University during your studies;
- Study a programme that combines theoretical knowledge, and quantitative and analytical skills to get you a competitive edge in the finance sector;
- Learn from industry leaders with the opportunity to attend networking and recruiting events with local companies;
- Take advantage of the IBSS Financial Lab and Trading Floor located on campus, which gives you access to a world of data for study and research purposes, including data feeds from Datastream and Thomson One, and training by Thomson Reuters staff on EIKON system, leading to a TR EIKON training certificate;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for finance-related roles within world financial markets, multinational corporations, investment banks, asset management companies, banks, non-financial companies, government agencies and consultancies, as well as in other financial institutions. The programme also offers a solid foundation for students interested in pursuing a PhD and an academic career.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

👤 **ACCREDITATION**
AACSB, EQUIS, AMBA

🎓 **QUALIFICATION**
University of Liverpool
MSc Finance

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

MONEY AND BANKING
ADVANCED DERIVATIVES
ECONOMETRICS FOR FINANCE

SEMESTER TWO:

ADVANCED CORPORATE FINANCE
ADVANCED INVESTMENTS
EMPIRICAL METHODS IN FINANCE

SEMESTER THREE:

FINANCE DISSERTATION

OPTIONAL MODULES

SEMESTER ONE:

ACCOUNTING AND FINANCIAL MANAGEMENT
FINANCIAL ECONOMICS

SEMESTER TWO:

MACROECONOMICS
ALTERNATIVE INVESTMENTS AND STRATEGIES

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

INVESTMENT MANAGEMENT MSc

We are at a historic point in time as China, the world's second largest economy, deregulates and grows its financial markets. In the coming years demand for graduates with a solid education in financial markets, securities and investment management is expected to grow significantly.

In the the MSc Investment Management programme, you will learn about the complexities of contemporary economics and financial principles and how these apply to decision-making in financial intermediation, savings and investment. While this is a practiced-based masters programme, it can also serve as a solid foundation for further study.

The programme is delivered in the International Business School Suzhou (IBSS), one of an elite group of institutions worldwide to be accredited by the Association to Advance Collegiate Schools of Business (AACSB) and European Quality Improvement System (EQUIS). Less than 100 business schools worldwide have both AACSB and EQUIS accreditation.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Investment Management programme, you will have:

- a solid understanding of financial markets in China and internationally
- a strong foundation to undertake the CFA exam
- the ability to navigate a number of financial data systems including Thomson Reuters EIKON system, Bloomberg Terminal, Wind Financial Terminal, and BondIQ Fixed Income Terminal, which are used throughout the financial markets and securities
- programming skills in accessing WRDS and CSMAR Financial Database
- specialist, technical knowledge in financial markets and securities
- knowledge of Fintech and the application of machine learning in financial field

WHY STUDY INVESTMENT MANAGEMENT AT XJTLU?

- Take advantage of the IBSS Financial Lab and Trading Floor located on campus, which gives you access to a world of data for study and research purposes, including data feeds from the Thomson Reuters EIKON system, Bloomberg Terminal, Wind Financial Terminal, Wharton Research Data Services (WRDS), and CSMAR Financial Database;
- Graduate with a degree recognised by the Chartered Financial Analyst Institute (CFA)'s University Recognition Program;
- Connect with industry through internship, networking and work experience opportunities;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

After graduation, our students will not only have the skills they need to work in the financial market, but also those required to pursue doctoral studies and academic research in the future. MSc Investment Management graduates go on to work for international banks, multinational companies, financial institutions, hedge funds, and a wide range of investment management companies.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

👤 **ACCREDITATION**
AACSB, EQUIS, AMBA

🎓 **QUALIFICATION**
University of Liverpool
MSc Investment
Management

Information subject to change.
Scan the QR code for updates.



MODULES

COMPULSORY MODULES

SEMESTER ONE:

QUANTITATIVE METHODS FOR FINANCE
FINANCIAL ANALYSIS
EQUITY: CASH AND DERIVATIVE INSTRUMENTS
ETHICAL AND PROFESSIONAL STANDARDS IN FINANCE
FINANCIAL DERIVATIVES

SEMESTER TWO:

ALTERNATIVE INVESTMENTS AND STRATEGIES
FIXED INCOME AND DERIVATIVE INSTRUMENTS
PORTFOLIO MANAGEMENT

SEMESTER THREE:

INDUSTRY RESEARCH PROJECT

OPTIONAL MODULES

SEMESTER TWO:

ADVANCED CORPORATE FINANCE
EMPIRICAL METHODS IN FINANCE

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

RECOGNITION BY THE CFA INSTITUTE

The MSc Investment Management programme has been designed to map to the CFA (Chartered Financial Analyst) Program Candidate Body of Knowledge™ (CBOK) and has been formally recognised under the CFA Institute University Affiliation Program.



MANAGEMENT MSc

This dynamic, contemporary and innovative programme prepares you for management positions across a wide range of industries. It is also designed to assist current managers in preparation for more senior roles.

Open to those with an undergraduate degree in any discipline, the MSc Management programme offers you broad theoretical and practical knowledge of management. The modules cover many topics of relevance in China and internationally, including international business, strategy, finance, leadership, marketing and entrepreneurship. You will also complete a research project or dissertation on a management-related topic of your choice.

The programme is delivered in the International Business School Suzhou (IBSS), one of an elite group of institutions worldwide to be accredited by the Association to Advance Collegiate Schools of Business (AACSB) and European Quality Improvement System (EQUIS). Less than 100 business schools worldwide have both AACSB and EQUIS accreditation.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Management, you will have:

- a rich understanding of management practices and theories
- insights into how to conduct a broad range of managerial functions and tasks
- an awareness of the demands of management in business
- research skills through project and dissertation work
- industry experience through work experience or networking events

WHY STUDY MANAGEMENT AT XJTLU?

- Benefit from XJTLU's strategic location in Suzhou - home to one of the China's largest economies and many Fortune 500 companies;
- Get support from IBSS's career development team who engage with national and multinational employers to identify the potential job opportunities for our students and graduates;
- Tailor your studies to suit your career ambitions with elective modules in entrepreneurship, big data and people management available;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

This programme includes career skills and personal development support to assist you with career evaluation, job searches, and professional skills development, such as:

- consultations with our career development team
- guidance on job search techniques
- coaching in writing cover letters and CVs as well as interview skills

| | |
|---|---|
| ✓ ATTENDANCE Full time Part time | 🕒 DURATION 18 months 30 months |
| 👤 ACCREDITATION AACSB, EQUIS, AMBA | 🎓 QUALIFICATION University of Liverpool MSc Management |

- building and assessing soft competencies like working in teams, communication and presentation skills
- assistance in employment and work permit issues.

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

ACCOUNTING AND FINANCIAL MANAGEMENT
MARKETING MANAGEMENT
STRATEGIC BUSINESS ANALYSIS
STRATEGIC ORGANISATIONAL DESIGN

SEMESTER TWO:

STRATEGIC OPERATIONS MANAGEMENT
INTERNATIONAL BUSINESS
BUSINESS LEADERSHIP

SEMESTER THREE:

MANAGEMENT DISSERTATION

OPTIONAL MODULES

SEMESTER TWO:

BIG DATA-APPLICATIONS IN BUSINESS
ORGANISATIONAL BEHAVIOUR AND PEOPLE MANAGEMENT
ENTREPRENEURSHIP AND BUSINESS CREATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

MANAGEMENT MRes

The MRes Management will develop students with an understanding and critical appreciation of aspects of research in the field of business and management, such as research paradigms, research methodologies (both qualitative and quantitative), data collection techniques, and theories. It will equip students with a clear understanding of what constitutes quality research and familiarize them with the research process from the point of inception to project completion.

The overall goal of the programme is to develop well-trained researchers with the ability to identify potential areas for research and the knowledge to study them. Consequently, the MRes Management can act as an obvious pathway for students who wish to study for a PhD. Indeed, the degree is one part of a strategy in which IBSS will identify talented students and encourage them to apply for an IBSS PhD. By so doing, the school will continue to develop both its research capacity and high-quality researchers.



WHAT YOU WILL LEARN

The MRes Management will enable a student to:

- develop an in-depth knowledge of the elements which constitute research;
- develop an in-depth knowledge of the research process and its under-pinning logic;
- acquire research skills by undertaking a study as part of the dissertation module;
- improve understanding of the structure of research papers and how they are written;
- improve written and presentation skills.

WHY STUDY MANAGEMENT AT XJTLU?

- Benefit from XJTLU's strategic location in Suzhou – home to one of the China's largest economies and many Fortune 500 companies
- Get support from IBSS's career development team who engage with national and multinational employers to identify the potential job opportunities for our students and graduates
- Tailor your studies to suit your career ambitions with elective modules in entrepreneurship and innovation, big data and people management available
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

A student awarded the MRes Management would be well-prepared to study for a PhD and then enter academia. An alternative path would be to work for businesses in which research plays a central role, including those organizations engaged in market research and research consultancy.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Management

MODULES

COMPULSORY MODULES

SEMESTER ONE:

BUSINESS AND MANAGEMENT AS A SOCIAL SCIENCE

ADVANCED RESEARCH METHODS

QUALITATIVE METHODS

QUANTITATIVE METHODS

SEMESTER TWO:

DISSERTATION FOR MRES MANAGEMENT

SEMESTER THREE:

DISSERTATION FOR MRES MANAGEMENT

Information subject to change.
Scan the QR code for updates.



“Based on my own experiences, I know only too well how frustrating and confusing it can be to understand research. However, here at IBSS, I am pleased to say that we have developed a degree which provides you with a clear understanding about the nature of research and how it can be undertaken. We have assembled a small group of lecturers who will help you to develop this understanding, with your learning taking place in a relaxed and friendly environment. At IBSS, we have excellent facilities, so if you would like to learn more about the MRes Management, or have any questions, then please feel free to contact me. I look forward to hearing from you.”

Professor Robert Willison
PROGRAMME DIRECTOR

OPERATIONS AND SUPPLY CHAIN MANAGEMENT MSc

The MSc Operations and Supply Chain Management programme gives you a comprehensive understanding of operations and supply chain management and how it shapes the sales and profit potential of a business.

Delivered in collaboration with industry and the business community in the Yangtze River Delta region, it is one of the few English-language masters programmes of its kind in China.

Through industry lectures and site visits, you will be able to analyse and examine the latest developments in operations and supply chain best practice. You will graduate with the knowledge and skills to succeed in senior managerial and strategist positions.

The programme is delivered in the International Business School Suzhou (IBSS), one of an elite group of institutions worldwide to be accredited by the Association to Advance Collegiate Schools of Business (AACSB) and European Quality Improvement System (EQUIS). Less than 100 business schools worldwide have both AACSB and EQUIS accreditation.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Operations and Supply Chain Management, you will have:

- an understanding of how operations can be managed as a strategic resource the requirements of successful operations and supply chain practice
- the ability to apply the models, processes and tools used to analyse, design and implement operations and supply chain management and logistics solutions
- an understanding of the decisions involved in the selection of suppliers, and the role of the purchasing function
- a thorough understanding of the components of supply chains, the material and information flow interactions between them and the analytical and management processes that facilitate successful supply chain performance
- the skills to perform benchmarking using comparative performance techniques

WHY STUDY OPERATIONS AND SUPPLY CHAIN MANAGEMENT AT XJTLU?

- Benefit from XJTLU's strategic location in Suzhou - home to one of the China's largest economies and many Fortune 500 companies;
- Get support from IBSS's career development team who engage with national and multinational employers to identify the potential job opportunities for our students and graduates;
- Tailor your studies to suit your career ambitions to electives in accounting, project management, operations simulation and marketing management available;
- Learn how to identify and apply a range of operations management initiatives and techniques that can inform the development of an operations strategy;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for careers in a number of sectors including manufacturing, food and beverage, and pharmaceuticals. Our graduates have found employment in companies such as Jaguar, Bosch, Mondeleze, Accenture, Caterpillar, Daimler Chrysler, Deloitte Consultants, Ford Motor Company, GE, Maersk, Unilever, Unipart, Westinghouse and Cargill.

ATTENDANCE
Full time
Part time

DURATION
18 months
36 months

ACCREDITATION
AACSB, EQUIS, AMBA

QUALIFICATION
University of Liverpool
MSc Operations and
Supply Chain Management



Information subject to change.
Scan the QR code for updates.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

SUPPLY CHAIN OPERATIONS MANAGEMENT
LOGISTICS AND PHYSICAL DISTRIBUTION
STRATEGIC BUSINESS ANALYSIS

SEMESTER TWO:

STRATEGIC PURCHASING MANAGEMENT
THEORY AND PRACTICE OF LEAN OPERATIONS
OPERATIONS MANAGEMENT AND STRATEGY

SEMESTER THREE:

SUPPLY CHAIN MANAGEMENT DISSERTATION

OPTIONAL MODULES

SEMESTER ONE:

ACCOUNTING AND FINANCIAL MANAGEMENT
MARKETING MANAGEMENT
DATA SCIENCE FOR SUPPLY CHAIN
MANAGEMENT

SEMESTER TWO:

MODELLING AND SIMULATION OF OPERATIONS
FUNDAMENTALS OF PROJECT MANAGEMENT
PRODUCTION PLANNING AND CONTROL
ORGANISATIONAL BEHAVIOUR AND PEOPLE
MANAGEMENT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



"The programme has helped me understand how effective and efficient supply chain management is essential to creating a lasting competitive advantage."

REBECCA HUBLER
MSc OPERATIONS AND SUPPLY CHAIN MANAGEMENT
AUSTRIA

PROFESSIONAL ACCOUNTING MSc

The MSc Professional Accounting programme has a strong focus on professional training, equipping you with the skills and knowledge to succeed in an international business career.

You will study the professional syllabus of the Institute of Chartered Accountants in England and Wales (ICAEW) and will obtain exemptions from all six professional-level papers of the exams needed to gain chartered accountant status (subject to validation of the programme by ICAEW), as well as receiving preparation to sit the final advanced-level papers.

The programme is delivered in the International Business School Suzhou (IBSS), one of an elite group of institutions worldwide to be accredited by the Association to Advance Collegiate Schools of Business (AACSB) and European Quality Improvement System (EQUIS). Less than 100 business schools worldwide have both AACSB and EQUIS accreditation.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Professional Accounting, you will have:

- theoretical understandings appropriate to the study of accounting at postgraduate level
- an awareness of key current issues, theory and practice in the field of accounting
- skills in professional accounting and financial decision-making, evaluation and analysis of financial data and the techniques required to evaluate and act upon complex financial and tax-related issues encountered in practice
- the knowledge necessary towards qualifying and operating as a chartered accountant.

WHY STUDY PROFESSIONAL ACCOUNTING AT XJTLU?

- Benefit from XJTLU's strategic location in Suzhou - home to one of the China's largest economies and many Fortune 500 companies;
- Get support from IBSS's career development team who engage with national and multinational employers to identify the potential internship and job opportunities for our students and graduates;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates are able to sit for other professional accounting certification exams such as ACCA (Association of Chartered Certified Accountants). Many IBSS Professional Accounting graduates end up in the "Big Four" companies and accounting/consultant departments in multinational companies such as Apple and Decathlon. The MSc Professional Accounting programme also provides an excellent foundation for those students who are interested in pursuing doctoral studies.



ATTENDANCE

Full time



DURATION

18 months



ACCREDITATION

AACSB, EQUIS,
ICAEW AMBA



QUALIFICATION

University of Liverpool
MSc Professional
Accounting



Information subject to change.
Scan the QR code for updates.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

TAX COMPLIANCE

FINANCIAL ACCOUNTING AND REPORTING:
IFRS

AUDIT AND ASSURANCE

BUSINESS STRATEGY AND MANAGEMENT

FINANCIAL STRATEGY

SEMESTER TWO:

BUSINESS PLANNING - TAXATION

CORPORATE REPORTING AND AUDITING I

STRATEGIC BUSINESS MANAGEMENT

CORPORATE REPORTING AND AUDITING II

SEMESTER THREE:

INTEGRATED CASE STUDY

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

"When you look into the detail of the syllabus, the assessment standard and procedures, you will aware that you are the focus of the Programme. Every module are well designed to help you to attain your professional qualification and the degree step by step."

PADDY YU,
MSc PROFESSIONAL ACCOUNTING
CHINA



PROJECT MANAGEMENT MSc

The MSc Project Management programme will equip you with the skills and knowledge to successfully manage projects in a variety of industries and contexts in China and around the world.

Suitable for both experienced professionals and those at the beginning of their project management career. Students are firstly introduced to the core content of the project management body of knowledge. Then they are guided to conduct additional reading and research to understand new developments in the field.

Students will identify and master the project management competencies that are supported by research to lead to higher rates of project management and project success.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Project Management, you will have:

- an understanding of the role of project management and the project manager in the life of a project
- knowledge of the components, processes, tools and techniques in the project management discipline as well as the interactions between these elements
- a critical understanding of project management, management and leadership theories and applications and how they apply to projects locally and across international borders
- the skills to initiate, plan, execute, control, lead, evaluate and close projects on time, within budget and with consideration to quality constraints
- the ability to apply a range of techniques to determine, document and refine project goals, performance requirements, deliverables, constraints and risks as well as use project schedules, resource budgeting and quality in the lifecycle of a project.

WHY STUDY PROJECT MANAGEMENT AT XJTLU?

- Gain skills with universal relevance that can be used to shape the strategic direction of companies;
- Learn how to effectively plan, implement, control, monitor, and handover projects of various sizes and complexities in a highly competitive global marketplace;
- Graduate from a programme designed around globally recognised standards and frameworks such as PMI, IPMA, APM and GPM, giving you a pathway to gain highly sought-after certifications in project management;
- Receive fully integrated MS Project software training with 24/7 access to the software;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme go on to work in project management roles across a range of industries, including e-commerce, oil and gas, software, IT, construction, airlines, consulting, retail, and manufacturing. In addition to greatly improving project management employment prospects, MSc Project Management also provides a solid foundation for students to further their studies with a PhD.

ATTENDANCE
Full time
Part time

DURATION
18 months
30 months

ACCREDITATION
AACSB, EQUIS, AMBA

QUALIFICATION
University of Liverpool
MSc Project
Management

MODULES

COMPULSORY MODULES

SEMESTER ONE:

FUNDAMENTALS OF PROJECT MANAGEMENT
PROJECT EVALUATION MANAGEMENT
STRATEGIC BUSINESS ANALYSIS

SEMESTER TWO:

PROJECT GOVERNANCE AND LEADERSHIP
PROJECT STAKEHOLDER MANAGEMENT

INTERACTION WITH PEOPLE IN
CONTEMPORARY PROJECT

SEMESTER THREE:

DISSERTATION / CAPSTONE CONSULTANCY
PROJECT

OPTIONAL MODULES

SEMESTER ONE:

SOCIAL MEDIA MARKETING
STRATEGIC ORGANISATIONAL DESIGN

NEGOTIATING IN INTERNATIONAL
ENVIRONMENT

SEMESTER TWO:

SOCIAL COMMERCE

MANAGEMENT OF CHANGE, INNOVATION AND
ENTREPRENEURSHIP

OPERATIONS MANAGEMENT AND STRATEGY

Information subject to change.
Scan the QR code for updates.



ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

SCHOOL OF SCIENCE

The School of Science was established in September 2020 to promote research and teaching across different scientific disciplines. The School offers a wide range of degree programmes, including six undergraduate, three postgraduate as well as PhD programmes, along with international visiting and exchange student programmes.



ADVANCED CHEMICAL SCIENCES MRes

The MRes Advanced Chemical Sciences programme provides you with the education and training needed to understand different aspects of the field of chemical sciences.

The programme covers a range of topics, from synthetic chemistry to nanotechnology, to analytical methods and instrumentation. Strong emphasis is placed on developing project management and professional skills. After completing taught modules, you will conduct a 12-month extensive research project of your choice that leads to submission of a dissertation.

Your studies will be guided by a customised learning plan, taking into account your background, interests and career aspirations.



WHAT YOU WILL LEARN

By the time you graduate from the MRes Advanced Chemical Sciences, you will have:

- Deep understanding of the theoretical background and practical implementation of an intensive research project.
- Career-enhancing personal and employability skills such as time management, report writing, team-building, networking and project management
- A wide range of critical interdisciplinary research skills

WHY STUDY ADVANCED CHEMICAL SCIENCES AT XJTLU?

- Study at Chemistry department of XJTLU, first at an independent Sino-foreign university in China to achieve professional accreditation by the Royal Society of Chemistry in the United Kingdom
- Learn from international staff, who are experts in various fields of chemistry with strong links to local and international industries
- Benefit from XJTLU's strategic location near many biotechnology companies in Bio Bay, a national biotechnology hub with more than 400 companies with the opportunity for internships
- Take advantage of the offered joint research projects with JITRI (Jiangsu Industrial Technology Research Institutes), supported by the Jicui Scholarship Programme
- Enjoy prestigious scientific symposia, conferences and summer schools at the nearby Cold Spring Harbor Asia giving you the chance to interact with world-famous researchers
- Gain an excellent foundation for pursuing PhD programmes both in China or abroad
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for careers in a variety of industries, including chemical and material science, pharmaceuticals, biotechnology, food and beverages (quality assurance and new formulation), and analytical laboratories. Some of our graduates have been hired at Johnson & Johnson, BioBay companies, CNCEC Construction Investment Group, Shandong University, pursued with PhD studies, to name a few.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Advanced
Chemical Sciences

Information subject to change.
Scan the QR code for updates.



MODULES

COMPULSORY MODULES

SEMESTER ONE:

ADVANCED ANALYTICAL CHEMISTRY
NANOTECHNOLOGY AND ADVANCED MATERIALS

SEMESTER TWO:

RESEARCH PROJECT I

SEMESTER THREE:

RESEARCH PROJECT II

SEMESTER FOUR:

RESEARCH PROJECT II

OPTIONAL MODULES

SEMESTER ONE:

EXPERIMENTAL METHODS IN MATERIALS AND MECHANICS

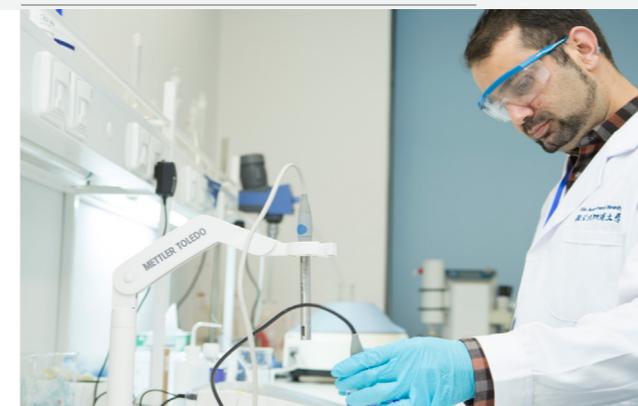
TOPICS IN ADVANCED ORGANIC CHEMISTRY

PERSONAL AND EMPLOYABILITY SKILLS FOR CHEMISTS

FUNDAMENTALS OF PROJECT MANAGEMENT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



"XJTLU's high-quality laboratories and equipment, combined with the expert academic staff have allowed me to conduct exciting research projects."

AHMAD IMTIAZ
PHD STUDENT
CHEMISTRY, PAKISTAN

BIOINFORMATICS MRes

The MRes programme in Bioinformatics at Xi'an Jiaotong-Liverpool University (XJTLU) is dedicated to training bioinformatics researchers. Targeted at graduates in bioinformatics, biological sciences, computer science, mathematics, and related fields, the programme aims to systematically teach the methods and applications of bioinformatics, equipping students with critical theoretical and practical skills for analysing and interpreting biological big data.



WHAT YOU WILL LEARN

Through this programme, graduate students will:

- Gain comprehensive mastery of core theoretical knowledge, analytical methods, and practical skills in bioinformatics, ensuring a solid foundation in the interpretation and application of biological data;
- Acquire proficiency in the intersecting methods and techniques of computer science, biology, and statistics, enabling efficient processing of large biological datasets and extracting critical information;
- Become highly sought-after professionals in computational biology and genomics, meeting industry's and academia's demand for advanced specialised skills;
- Independently design and manage research projects, including literature review, project planning, establishing data analysis frameworks, solving technical challenges, evaluating analytical results, and presenting project
- Develop vital transferable skills such as IT proficiency, effective communication, problem-solving, interpersonal skills, organisational management, public speaking, and time management, laying a solid foundation for future career success.

WHY STUDY BIOINFORMATICS AT XJTLU?

- The programme follows a progressive curriculum. The first semester focuses on core modules, covering genomics, proteomics, statistical genetics, machine learning, and relevant programming skills. In the second semester, students begin participating in research projects under the guidance of experienced supervisors, engaging in independent research and academic writing to gain valuable practical experience and enhance their scholarly writing abilities.
- XJTLU is equipped with advanced bioinformatics resources, such as high-performance computing clusters, ensuring students can quickly master the latest data analysis and computational techniques through laboratory work and practical assignments. These cutting-edge resources provide significant learning advantages for students and are a distinctive feature of the programme's educational framework.

CAREERS AND FURTHER STUDY

The MRes programme in Bioinformatics at XJTLU significantly enhances graduates' career prospects in both academia and industry, particularly in biotechnology, pharmaceuticals, and healthcare. Through this programme, graduates will acquire critical skills in the computation and analysis of biological data, making them highly sought-after professionals in genomics, drug development, and personalised medicine. Graduates are well prepared for various roles, including bioinformatician, researcher, and data analyst. Those interested in furthering their research can pursue a PhD, contributing to advancements and innovation in the field of bioinformatics.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Bioinformatics



Information subject to change.
Scan the QR code for updates.

MODULES

COMPULSORY MODULES

SEMESTER ONE:

RESEARCH METHODS IN BIOINFORMATICS

ADVANCED METHODS IN BIostatISTICS

SEMESTER TWO, THREE AND FOUR:

RESEARCH PROJECT

OPTIONAL MODULES

SEMESTER ONE:

TECHNOLOGICAL PROJECT MANAGEMENT

GLOBAL PERSPECTIVES ON PUBLIC HEALTH

FUNDAMENTALS OF MACHINE LEARNING

MATHEMATICS AND STATISTICS FOR DATA SCIENCE

ENVIRONMENTAL SCIENCES MRes

This MRes Environmental Sciences programme aims to produce graduates specialised in different areas within the environmental sciences. Modules will cover the interdisciplinary knowledge and skills relevant to the field. The combination of these modules and a large research project will produce a coherent and comprehensive degree.

Potential research areas include (but not limited to):

Ecology

- Biodiversity-Mechanism-Human influences
- Landscape changes-Urbanization-Rural farming
- Community ecology-species interactions-trophic dynamics
- Environmental Pollution
- Soil nutrients and pollution-interactions and bioavailability
- Air pollution-aerosol processes-air quality-human health
- Pollutants across interfaces-soil/air/biota/humans

WHAT YOU WILL LEARN

This programme will provide students with the following:

- In-depth knowledge of the field of environmental sciences;
- Cognitive skills required for research, such as evaluating existing studies, identifying research questions, deriving hypotheses, choosing proper research methods, and interpreting and presenting data concisely;
- Advanced practical skills, such as data analysis, instrument and equipment operation, questionnaire/experimental design, and project management; and
- Communication and professional skills, such as scientific writing and presentation, career development, manuscript preparation, journal selection, peer review systems, and health and safety awareness.

WHY STUDY ENVIRONMENTAL SCIENCES AT XJTLU?

Students entering this programme can:

- Gain in-depth interdisciplinary knowledge and necessary cognitive, practical, communication, and professional skills for future career development
- Work with a number of energetic, collegial, and intellectual colleagues from multiple countries
- Take advantage of over 20 million RMB cutting edge research equipment and over 2000 m² lab and outdoor research space on campus
- Produce a high-quality, potentially publishable thesis to increase the competitiveness during PhD applications and job hunting.
- Earn a globally recognized master degree from the University of Liverpool, a member of the Russell Group of leading UK universities

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared to pursue a PhD at both domestic or international institutions. Other career opportunities include research scientists at research institutions, policymakers at governmental agencies, environmental educators at non-governmental organisations (NGOs) and environmental consultants in environment-related industries.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Environmental Sciences

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE

RESEARCH PROJECT DESIGN AND MANAGEMENT

COMMON RESEARCH ISSUES IN ENVIRONMENTAL SCIENCES

FRONTIERS IN ENVIRONMENTAL SCIENCES

SEMESTER TWO

RESEARCH PROJECT (PHASE I)

SEMESTER THREE

RESEARCH PROJECT (PHASE II)

SEMESTER FOUR

RESEARCH PROJECT (PHASE II)

OPTIONAL MODULES

SEMESTER ONE

RESEARCH METHODS IN BIOINFORMATICS

ADVANCED ANALYTICAL CHEMISTRY

ENVIRONMENT AND SOCIETY

HUMANS AND ENVIRONMENTAL POLLUTION

ADVANCED STATISTICS IN ENVIRONMENTAL SCIENCES



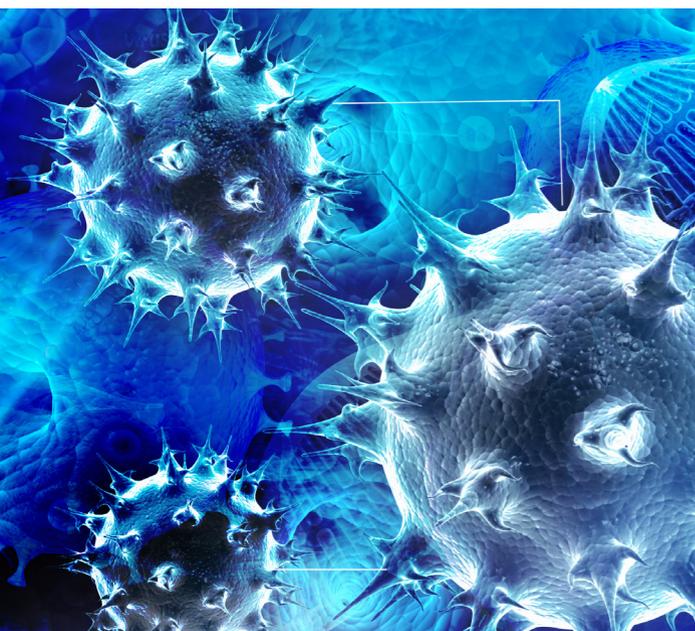
MOLECULAR BIOSCIENCE MRes

The MRes Molecular Bioscience programme provides a thorough understanding of the key approaches for studying biological processes at the molecular level.

The programme combines biotechnology-related topics such as molecular biology, protein biochemistry and drug discovery, with modules on post-genomic biology and bioinformatics.

With a major focus on project management and advanced research skills, the programme offers you the chance to undertake an in-depth research project and specialised dissertation. Your studies will be guided by a customised learning plan, taking into account your background, interests and career aspirations.

The Department of Biological Sciences has internationally respected investigators and excellent teaching and laboratory infrastructure.



WHAT YOU WILL LEARN

By the time you graduate from the MRes Molecular Bioscience programme, you will have:

- key transferable skills relevant to a range of careers and industries, such as data analysis, report writing, team building and networking, and project management
- specialised knowledge in an area of molecular biology that suits your interests and career ambitions
- a range of critical interdisciplinary research skills and a strong understanding of the theoretical background and practical implementation of an intensive research project.

WHY STUDY MOLECULAR BIOSCIENCE AT XJTLU?

- Learn from international academic staff with opportunities to work with them to carry out world-class research in a dynamic, transnational environment;
- Gain a solid foundation to pursue PhD programmes in high-quality international and Chinese universities;
- Benefit from XJTLU's strategic location near many biotechnology companies in BioBay, a national biotechnology hub with more than 400 companies with the opportunity for internships;
- Enjoy prestigious scientific symposia, conferences and summer schools at the nearby Cold Spring Harbor Asia, giving you the chance to interact with world-famous researchers;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for advanced research careers in both international and Chinese university settings, as well as in the bio-industrial sector in areas such as biotechnology and pharmaceuticals. The programme also provides a solid foundation for pursuing a PhD.

MODULES

COMPULSORY MODULES

SEMESTER ONE

RESEARCH METHODS IN BIOTECHNOLOGY

RESEARCH METHODS IN POST-GENOMIC BIOLOGY

RESEARCH METHODS IN BIOINFORMATICS

SEMESTER TWO

RESEARCH PROJECT I

SEMESTER THREE

RESEARCH PROJECT II

SEMESTER FOUR

RESEARCH PROJECT II

OPTIONAL MODULES

SEMESTER ONE

RESEARCH ETHICS AND RESEARCH METHODOLOGY

MOLECULAR IMMUNOLOGY

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Molecular
Bioscience

Information subject to change.
Scan the QR code for updates.



ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.



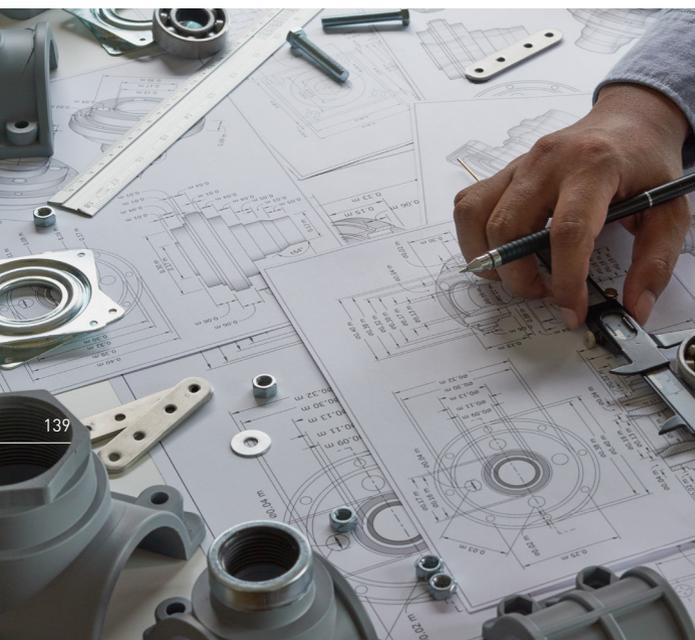
Everyone at the department of Biological Sciences made me feel at home in China from the very first day I set foot in the laboratory. The combination of state-of-the-art facilities and a talented mix of experienced Chinese and international staff members makes an excellent environment to study and perform cutting-edge research.

SEBASTIAAN LAMERS
STUDENT, MRES MOLECULAR BIOSCIENCE



MATERIALS SCIENCE AND ENGINEERING MRes

The MRes Materials Science and Engineering programme aims to train students as active researchers and lifelong learners in materials science and engineering. This programme provides students with a comprehensive understanding of the complex interrelation between material synthesis, processing, structure, properties and performance through theoretical, practical and computational work. Graduates of this programme will significantly contribute to the technological advancements involved in materials science and engineering performance and apply the knowledge gained in the analysis, development and testing of new materials in the modern industry.



WHAT YOU WILL LEARN

- an in-depth theoretical understanding of material properties, structure and mechanical behaviour, as well as the importance of materials science to engineering and other technical applications;
- knowledge and understanding of a wide range of material characterisation and mechanical behaviour techniques, as well as strong research and analytical skills in materials chemistry and engineering;
- practical and problem-solving skills in materials science and engineering, applied in a wide range of theoretical and practical situations; and
- skills to present complex ideas, research methodology and key results and conclusions in written and oral formats.

WHY STUDY MATERIALS SCIENCE AND ENGINEERING AT XJTLU?

The programme encompasses a research-led teaching and technology-enhanced learning approach at all levels of study. It aims to train researchers to resolve the current and future challenges associated with developing advanced materials in science and engineering for energy production, materials for challenging environments, structural material applications, advanced composites and nanomaterials.

The content of the degree programme integrates the engineering discipline and materials chemistry and modelling. The focus is on materials synthesis, characterisation and mechanical testing on nanomaterials and metal alloys. Students of this programme can select their specialisation field by selecting optional modules in either molecular modelling (science) or computational solid mechanics (engineering). Students attending this programme will also be able to work on collaborative projects with the Jiangsu Industrial Technology Research Institute (JITRI), a leading institution in research and development of advanced materials. This provides students with the opportunity to investigate diverse materials (e.g. polymers, ceramics, etc.) during the three semesters of project work which can be linked to industrial placement. In addition, after completing this masters programme, students with an interest in academia and advanced research positions in the industry will also be provided with opportunities to pursue a PhD degree through collaborative research scholarships or self-funded study.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for careers as urban designers in both public and private sector companies related to the built environment. Graduates can find employment in positions such as urban or regional planners, where they will develop plans for the use of land, help create communities, accommodate population growth, and regenerate facilities.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MRes Materials Science and Engineering

MODULES

Information subject to change.
Scan the QR code for updates.



CORE MODULES

SEMESTER ONE:

CHARACTERISATION OF MATERIALS

EXPERIMENTAL METHODS IN MATERIALS AND MECHANICS

NANOTECHNOLOGY AND ADVANCED MATERIALS

SEMESTER TWO:

RESEARCH PROJECT – PLANNING AND SCHEDULING

SEMESTER THREE:

RESEARCH PROJECT

SEMESTER FOUR:

RESEARCH PROJECT

OPTIONAL MODULES

SEMESTER ONE:

COMPUTATIONAL SOLID MECHANICS

COMPUTATIONAL MATERIALS SCIENCE

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, are often offered at both university and school/department levels. You may also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. Such activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

SCHOOL OF MATHEMATICS AND PHYSICS

The School of Mathematics and Physics is home to more than 90 staff members, over 2,500 undergraduate students, more than 200 master's students and more than 50 PhD students. The School equips students with a strong academic foundation as well as analytical skills, communication skills, programming skills, teamwork skills and practical problem-solving skills. The academic staff are involved in cutting-edge research in different aspects of mathematics and physics, publish hundreds of research articles annually, have received governmental or collaboration projects, and train excellent research students.



ACTUARIAL SCIENCE MSc

An MSc Actuarial Science qualification will provide students with the knowledge and skillset to investigate financial accounts, analyse risks, and design actuarial models for a wide range of fields. This programme covers a series of core modules from the Institute and Faculty of Actuaries (IFoA) and Society of Actuaries (SOA).

Students that complete the programme will have a wide range of skills, making them highly employable. Actuaries are greatly valued in the financial and insurance industries, as well as many other fields that demand data analysis and problem-solving capabilities.



WHAT YOU WILL LEARN

Through the study of these core modules, students will gain professional knowledge in these fields:

- Data analysis of insurance industry
- Corporate financial management
- Statistical models and methods
- Asset and liability valuation models
- Quantitative finance
- Financial risk measurement
- Management involving individuals, organisations and public services.

WHY STUDY ACTUARIAL SCIENCE AT XJTLU?

- The actuarial and risk management professions are both challenging and highly rewarding. Financially and statistically, trained graduate actuaries are highly in-demand in the financial industry as well as in a wide range of other for-profit and non-profit sectors.
- XJTLU's Actuarial Science programme is recognised by various actuarial societies, such as the UK-based Institute and Faculty of Actuaries (IFoA), and has UCAP-AC accreditation from the Society of Actuaries (SOA) in North America.
- There are numerous opportunities to undertake internships and work placements at firms in the insurance and finance industries.
- Students will have access to a variety of resources from academic and professional platforms, including the Intelligent Computing and Financial Technology Laboratory (ICFT) and Research Institute of FinTech (RIFT).
- Our professional team offers powerful support, with members affiliated to IFoA, SOA, CAS (Casualty Actuarial Society), ACCA (Association of Chartered Certified Accountants) and other actuarial societies, offering professional advice and up-to-date industry development.

CAREERS AND FURTHER STUDY

Some of our graduates become actuarial trainees and study for professional examinations. Others embark on some of the following lucrative careers:

- Investment banking and investment management
- Accountancy
- Commercial banking
- Insurance
- Financial analysis
- Management
- Consulting
- Regulation
- Computing and programming
- Research and teaching

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Actuarial Science

MODULES

COMPULSORY MODULES

SEMESTER ONE:

ACTUARIAL MATHEMATICS
STOCHASTIC MODELLING IN ACTUARIAL SCIENCE

SEMESTER TWO:

ACTUARIAL MODELLING
LIFE INSURANCE MATHEMATICS
ADVANCED STATISTICAL LEARNING THEORY

SEMESTER THREE:

DISSERTATION PROJECT

OPTIONAL MODULES

SEMESTER ONE:

MICROECONOMICS
COMPUTATIONAL METHODS IN FINANCE I
INTRODUCTION TO PRICING AND HEDGING
STATISTICS AND DATA ANALYTICS I

Information subject to change.
Scan the QR code for updates.



SEMESTER TWO:

COMPUTATIONAL METHODS IN FINANCE II
CORPORATE FINANCE FOR INSURANCE
ACTUARIAL PRACTICE
QUANTITATIVE RISK MANAGEMENT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

APPLIED MATHEMATICS MSc

The MSc Applied Mathematics programme focuses on providing students with a solid foundation in mathematics and the ability to use their skills in practical applications. Our students are equipped with the tools to tackle challenges in scientific and technological fields related to applied mathematics.

The programme requires 60 credit hours of coursework, including 20 credits of dissertation research.

The candidates complete a core curriculum in the two areas: (1) analysis of partial differential equations, and (2) numerical optimisation and scientific computing.

WHAT YOU WILL LEARN

Upon graduation, students will be equipped with the following knowledge and skills:

- In-depth understanding of mathematical theory: the ability to deeply understand and apply advanced mathematical theories such as partial differential equations, numerical analysis, and control theories;
- Mathematical modelling skills: the ability to convert practical problems into mathematical models and use mathematical methods to analyse and solve them;
- Computational methods and techniques: the ability to use various computational tools and software (e.g., MATLAB, R, Python, etc.) for mathematical modelling, numerical computation, and data analysis;

- Data analysis and processing: the ability to use statistical and machine learning methods to analyse and process data, including data collection, cleaning, analysis, and interpretation;
- Interdisciplinary knowledge: the ability to understand and apply mathematical tools to solve real-world problems in fields such as engineering, physics, biology, and finance;
- Research methods and skills: the ability to conduct independent scientific research, including literature review, problem formation, research design, experimental methods, data analysis, and paper writing;
- Critical thinking and problem-solving skills: the ability to critically analyse problems, propose innovative solutions, and solve complex problems; and
- Communication and collaboration skills: the ability to effectively communicate mathematical ideas and research results to others and to collaborate in interdisciplinary teams.

WHY STUDY APPLIED MATHEMATICS AT XJTLU?

- The School of Mathematics and Physics (SMP) has nearly 100 full-time academic staff members, with active research areas extending beyond the scope of the modules covered. Their expertise also encompasses applications of research in industry and finance.
- Through studying this programme, students will receive an excellent education, developing their proficiency in core concepts, techniques, and applications related to applied mathematics. This gives our students a springboard for success in their careers or further study in PhD programmes at world-renowned institutions.
- A strength of this programme is the industry partnerships that the SMP has meticulously built over the years. The School has strategic partnerships with successfully established research institutions, such as the Jiangsu Industrial Technology Research Institute (JITRI) and the Xi'an Jiaotong-Liverpool University HeXie Management Research Centre (HeXie Centre), as well as networks including insurance and financial companies. Through these collaborations, our academic staff create up-to-date curricular materials aligned with industry needs and academic requirements, providing our students with opportunities to apply their skills in real-world scenarios.

CAREERS AND FURTHER STUDY

The prospects for applied mathematics are very broad and optimistic. These include:

- Data analysis and statistics. In the era of big data, data analysis has become an important tool for decision support. Applied mathematics plays a key role in data mining, statistical analysis, and predictive modelling;
- Finance and economics. In areas such as financial engineering, risk management, and investment strategy analysis, applied mathematics provides powerful tools to help financial institutions optimise decisions and control risks;
- Engineering and physical sciences. Applied mathematics is central to solving problems in engineering design, fluid mechanics, material science, and electromagnetics;
- Biological sciences and medicine. Fields such as biostatistics, bioinformatics, and epidemiological modelling require the methods of applied mathematics for analysis and problem-solving;
- Computer science. Applied mathematics provides the theoretical foundation and solutions in various areas, including algorithm design, artificial intelligence, machine learning, image processing, and network security; and
- Environmental science. In climate modelling, environmental assessment, and resource management, applied mathematics helps in simulation and prediction to support decision-making for sustainable development.

✓ ATTENDANCE

Full time

🕒 DURATION

18 months

🎓 QUALIFICATION

University of Liverpool
MSc Applied Mathematics

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

THEORY AND APPLICATIONS OF PARTIAL
DIFFERENTIAL EQUATIONS
SCIENTIFIC COMPUTING

SEMESTER TWO:

CALCULUS OF VARIATIONS AND OPTIMAL
CONTROL
OPTIMISATION ALGORITHMS FOR DATA SCIENCE

SEMESTER THREE:

DISSERTATION

OPTIONAL MODULES

SEMESTER ONE:

MEASURES AND INTEGRALS
ADVANCED TOPICS IN OPERATIONAL RESEARCH
COMPUTATIONAL METHODS IN FINANCE I

NUMERICAL ANALYSIS OF PARTIAL
DIFFERENTIAL EQUATIONS

FUNDAMENTALS OF MACHINE LEARNING

SEMESTER TWO:

OPTIMISATION THEORY

COMPUTATIONAL METHODS IN FINANCE II

COMPUTATIONAL GEOMETRY

NEURAL NETWORKS AND DEEP LEARNING



DATA SCIENCE MSc

The MSc Data Science programme will equip students with the analytical tools to design sophisticated technical solutions for data-driven problems using modern computational methods and with an emphasis on rigorous statistical thinking.

This programme lasts for two years, including 40 credit teaching modules and a 40-credit dissertation. The professional curriculum is suitable for graduates in various fields such as mathematics, engineering, computer science and social science. Teaching modules include compulsory courses for theoretical training of core disciplines including mathematics, statistics and computer science, as well as optional courses suitable for different application scenarios (such as artificial intelligence, biological information, and finance).

Students can customise their training through various combinations of compulsory and optional modules to support different students' interests and career planning.

Moreover, as one of the joint master programmes with Jiangsu Industrial Technology Research Institute (JITRI), the student dissertation in this programme can be jointly guided by the industry experts from JITRI and academic supervisors from XJTLU. This programme provides a platform for knowledge and information exchange between university and enterprise and promotes cooperation between the two sides in key fields such as engineering mathematics, applied statistics, bioinformatics, and material science.

WHAT YOU WILL LEARN

Upon graduation, students will be able to:

- demonstrate proficiency in the use of statistical methods to solve practice problems related to data science;
- demonstrate advanced mathematical and analytical problem-solving skills;
- use software as an effective tool for data analysis, management and visualisation;
- evaluate and apply alternative approaches in the analysis of academic and industrial reports;
- present reasonable arguments and statements demonstrating specialised knowledge;
- communicate effectively with leaders and team members; and
- evaluate research papers and professional texts to produce independent synthesis of knowledge and information.

WHY STUDY DATA SCIENCE AT XJTLU?

- Students will study a range of modules in mathematics, statistics, information science and computer science to prepare for a career working across a number of industries.
- Students can gain data science knowledge used in IT, finance, biostatistics, bioinformatics, material science, actuarial science and others.
- The MSc Data Science programme will enable students to gain a strong understanding of statistics and computer science, and their applications.

CAREERS AND FURTHER STUDY

Graduates of this programme will be prepared for pursuing advanced degrees (e.g. PhD degree) or for direct entry into the job market in various sections and positions:

- manufacturing
- new materials
- information technology
- biology and medicine
- finance
- database management

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
24 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Data Science

- bioinformation
- artificial intelligence and machine learning
- logistics and e-commerce
- public services

MODULES

COMPULSORY MODULES

SEMESTER ONE:

DATA MINING AND BIG DATA ANALYTICS
DATABASE MANAGEMENT
MATHEMATICS AND STATISTICS FOR DATA SCIENCE

SEMESTER TWO:

STATISTICAL LEARNING WITH APPLICATIONS IN PYTHON
OPTIMIZATION ALGORITHMS FOR DATA SCIENCE
ADVANCED STATISTICAL LEARNING THEORY

SEMESTER THREE:

DISSERTATION

SEMESTER FOUR:

DISSERTATION

OPTIONAL MODULES

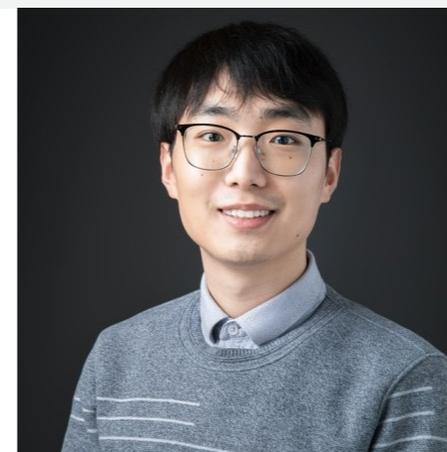
SEMESTER ONE:

ADVANCED METHODS IN BIOSTATISTICS
RESEARCH METHODS IN BIOINFORMATICS
FUNDAMENTALS OF MACHINE LEARNING
LINEAR STATISTICAL MODELS
COMPUTATIONAL METHODS IN FINANCE I

SEMESTER TWO:

STATISTICAL COMPUTING USING SAS
INFORMATION VISUALIZATION
TIME SERIES ANALYSIS
COMPUTATIONAL METHODS IN FINANCE II
NEURAL NETWORKS AND DEEP LEARNING

Information subject to change.
Scan the QR code for updates.



“From finance and economy to biology and medicine, from manufacturing to infrastructure, data science plays a vital role in all aspects of the modern world. Our MSc Data Science will equip you with an advanced level of skills, knowledge, and experience to pave the way to your career prosperity.”

Dr Long Bai
PROGRAMME DIRECTOR

FINANCIAL MATHEMATICS MSc

The MSc Financial Mathematics programme provides you with the advanced analytical training, quantitative knowledge and practical skill sets required to operate as a professional in modern financial institutions.

Offering a solid education in financial analysis, risk management and financial engineering, the programme is the perfect foundation for a successful career in the finance and banking industries. You will undertake advanced mathematics and programming modules designed with practical applications in mathematical and quantitative finance.

Our graduates can confidently work with complex financial data to provide innovative solutions to challenges in a range of business contexts.



WHAT YOU WILL LEARN

By the time you graduate from the MSc Financial Mathematics programme, you will have:

- an advanced understanding of financial mathematics and quantitative analysis
- practical mathematics and object-oriented programming skills linking finance theories to real-world application
- the ability to devise, plan and undertake complex research projects in the field of financial mathematics
- skills in research, evaluation and analysis and the quantitative techniques to evaluate and interpret complex data and research literature.

WHY STUDY FINANCIAL MATHEMATICS AT XJTLU?

- Enjoy a balance between theoretical and practical knowledge, which is crucial for a successful career in the financial industry;
- Gain experience in working with financial data and with different terminals, such as the Wind Financial Terminal that provides data on the Chinese market;
- Take advantage of our industry links with a number of networking and internship opportunities available;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

Graduates from this programme are well prepared for a range of roles in the business world in organisations including banks, investment firms, insurance companies, consulting services to the financial industry, and government regulation agencies. The programme also offers a solid foundation for pursuing a career in research or academia.

✓ **ATTENDANCE**
Full time

🕒 **DURATION**
18 months

🎓 **QUALIFICATION**
University of Liverpool
MSc Financial
Mathematics

MODULES

Information subject to change.
Scan the QR code for updates.



COMPULSORY MODULES

SEMESTER ONE:

COMPUTATIONAL METHODS IN FINANCE I
INTRODUCTION TO PRICING AND HEDGING
FINANCIAL ECONOMETRICS

SEMESTER TWO:

FIXED INCOME SECURITIES
STATISTICAL METHODS IN FINANCE
ARBITRAGE, EQUILIBRIUM AND PRICING

SEMESTER THREE:

DISSERTATION

OPTIONAL MODULES

SEMESTER ONE:

PORTFOLIO THEORY AND RISK MANAGEMENT

SEMESTER TWO:

COMPUTATIONAL METHODS IN FINANCE II

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

XJTLU WISDOM LAKE ACADEMY OF PHARMACY

The XJTLU Wisdom Lake Academy of Pharmacy was established on 11 November 2020 as a joint venture between Xi'an Jiaotong-Liverpool University and the Suzhou Industrial Park district of Suzhou. In cooperation with government, industry and society, the Academy aims to incubate an ecosystem of world-class biopharmaceutical innovation and establish a new mainstay of the global biopharmaceutical industry.



APPLIED STATISTICS MSc

Applied Statistics (Biostatistics) is an important branch of statistics that concerns the use of statistical principles and methodologies to study issues and phenomena emerging in the fields of the natural and social sciences in order to infer and extrapolate from natural objects of interest. This discipline utilizes applications of mathematical statistical probability theory, methodology, and computational methods investigate, control, and explain, and analyze biometric data in order to break new grounds in medicine and biology.

In biological sciences and pharmaceuticals, applied statistics are a critical element in determining whether experiment design, quality standards, production verification and manufacturing process for new drug development are appropriate and optimal. These are critically important tools for evaluating the efficacy of drugs prior to commercialization, from conducting clinical trials and evaluating drug efficacy.

As such, there is a growing demand for different levels of applied statisticians in academic medical centers, in government agencies, and in the pharmaceutical and biotech industries.

In concordance with the wider academic development strategy, our Wisdom Lake Academy of Pharmacy has set up this programme, powered by the superior discipline and premium educational resources at the University of Liverpool, to provide greater support for biological medicine professionals and future biotech enterprises.

WHAT YOU WILL LEARN

By the time you graduate from the MSc Applied Statistics programme, you will:

- Obtain postgraduate-level education in mathematical and statistical principles, theories and practice
- Discover in-depth theoretical and practical expositions of the factors necessary for mathematical modeling and statistical analysis with emphasis on their application to pharmaceuticals and clinical studies
- Understand how successful mathematical modeling and statistical analysis can shape and influence enhanced strategies of healthcare
- Uncover a profound understanding of the processes and techniques used in developing and implementing mathematical models and statistical strategies
- Equip yourself with the knowledge and skills needed to pursue further academic studies or reach senior positions e.g. statisticians, data analysts, data scientists
- Become the statistical strategists of next-gen pharmaceuticals.

WHY STUDY APPLIED STATISTICS AT XJTLU?

- Applied statistics (biostatistics) graduates play key roles at all stages of drug development, high-level professionals are particular demand.
- Considered one of the key projects at XJTLU within the strategic background of the "Pharmaceutical Valley of China", an initiative outlined by local and national governments.
- Curriculum designed closely in concordance with societal and commercial needs, combining advanced theoretical knowledge with practical skills.
- An international academic team with profound teaching experience in applied statistics and life sciences, as well as adjunct staffs with significant background in industry.
- Flexible study settings: 18 months for full-time students, 36 months for part-time students. Personalised study plans available for students with different backgrounds and career aspirations.
- Strategic cooperation with over 10 well-known companies in biomedicine/pharmaceutical fields in China.
- Located next to Suzhou Biological Nano Park and Suzhou Biomedicine Industrial Park, providing access to 400 biomedical/pharmaceutical companies that can provide extensive internship opportunities.
- All modules are taught in English, cultivating talents with solid theoretical foundations and comprehensive skills in practice. There are broad employment prospects and opportunities for graduates.

CAREERS AND FURTHER STUDY

Graduates of this programme will be prepared for pursuing advanced degrees (e.g. PhD degree) or for direct entry into job market in various sections and positions:

- Biostatisticians in biomedical/ pharmaceutical companies enable to provide data analysis and support for every stage of drug discovery and development;
- Biostatistician/data analysis CRO firms and medical equipment companies
- Hospitals, and research institutions.
- Public health service sections through national bureaus such as the Food and Drug Administration, Center for Disease Control, Community Health Centres and Quarantine Agencies
- Financial and insurance industry based



ATTENDANCE

Full time



DURATION

24 months



QUALIFICATION

University of Liverpool
MSc Applied statistics

- data analysis and forecasting
- As data scientists/analysts in financial and investment industries.

MODULES

SEMESTER ONE:

COMPULSORY MODULES

MODERN PHARMACEUTICAL ACTIVITY SCREENING

ADVANCED PHARMACEUTICAL ANALYSIS

RESEARCH ETHICS AND RESEARCH METHODOLOGY

OPTIONAL MODULES

SURVIVAL ANALYSES

APPLIED REGRESSION ANALYSES

SEMESTER TWO:

COMPULSORY MODULES

ADVANCED PHARMACOLOGY

ADVANCED DRUG FORMULATION

OPTIONAL MODULES

ANALYSIS OF CATEGORICAL DATA

ANALYSIS OF LONGITUDINAL DATA

Information subject to change.
Scan the QR code for updates.



SEMESTER THREE:

DISSERTATION

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

MEDICINAL CHEMISTRY MRes

Medicinal Chemistry MRes combines life science, chemistry, medicine and computational science in order to study the structure and biological activity of drugs. This discipline focuses on the discovery, development and utilisation of leading compounds by studying the mechanism of drug actions in vivo and in vitro as well as their metabolic process in the human body.

This masters programme, provided by the XJTLU Wisdom Lake Academy of Pharmacy, integrates academic development strategies with industry needs for high-quality medicinal chemists. Through the University of Liverpool's educational discipline and superior resources, students can obtain practical experience to better support the needs of industrial enterprises.



WHAT YOU WILL LEARN

By the time you graduate from the MRes Medicinal Chemistry programme, you will:

- be familiar with the chemical structures and common uses of various important drugs
- have advanced and systematic education and training in the areas of structure-activity relationship (SAR), drug design, and chemical modification of leading compounds
- be familiar with the discovery and development process of various important drugs, understand the latest progress, and be able to design and evaluate the synthetic routes of commonly used chemical drugs
- develop better understanding of improved treatment solutions for hard-to-treat diseases such as Alzheimer's disease and cancer
- be able to critically evaluate the current state and future of modern technologies in drug design and development
- have a deep understanding of the theoretical background behind research projects and develop the skills to engage in scientific research in medicinal chemistry and related fields
- develop key skills in project planning, time management, report writing, and effective communication, as well as other comprehensive and professional abilities.

WHY STUDY MEDICINAL CHEMISTRY AT XJTLU?

- The Medicinal Chemistry programme is a key component of the Wisdom Lake Academy of Pharmacy's contribution to the "Pharmaceutical Valley of China", promoting the strategic cooperative relations of pharmaceutical companies and XJTLU in accordance with regional and national goals
- The curriculum is designed to combine advanced knowledge with practical skills to meet the needs of society and enterprise
- Our faculty boasts outstanding professional knowledge, profound teaching experience in medicinal chemistry and life sciences, and includes experts with solid industry experience
- Flexible semester terms: 24 months for full-time students, 36 months for part-time students
- Personalised study plans for students with different backgrounds and future career plans
- Convenient location near Suzhou Biological Nano Park and Suzhou Biomedicine Industrial Park (BioBAY), with over 400 pharmaceutical companies nearby providing extensive internship and job opportunities
- All modules are taught in English to cultivate global talents with solid theoretical foundations and comprehensive skillsets
- Graduates of this programme will have broad-ranging employment prospects and opportunities

CAREERS AND FURTHER STUDY

Medicinal Chemistry is an exciting, rapidly expanding area within the broad discipline of chemistry. This MRes Medicinal Chemistry programme aims to build a solid foundation for graduates to continue their research and advanced studies, as well as prepare them well for future career opportunities.

A career in medicinal chemistry has nearly limitless potential. There is a huge global demand for medicinal chemistry professionals, especially in China, which will continue to grow over the coming years. Graduates have numerous employment opportunities in many areas of the pharmaceutical discipline, such as

| | |
|---|-------------------|
| ✓ ATTENDANCE | 🕒 DURATION |
| Full time | 24 months |
| Part time | 36 months |
| 🎓 QUALIFICATION | |
| University of Liverpool MRes Medicinal Chemistry | |

universities, government service, consulting and investment companies, pharmaceutical and biotechnology companies, etc; other emerging industries such as artificial intelligence and new energy are looking for Medicinal Chemistry professionals as well.

MODULES

Information subject to change. Scan the QR code for updates.



SEMESTER ONE:

COMPULSORY MODULES

ADVANCED MEDICINAL CHEMISTRY
MODERN INSTRUMENTATION ANALYTICAL TECHNOLOGIES
ADVANCED ORGANIC CHEMISTRY

OPTIONAL MODULES

MODERN PHARMACEUTICAL ACTIVITY SCREENING
MODERN SEPARATION TECHNIQUES AND APPLICATIONS

SEMESTER TWO:

COMPULSORY MODULES

ADVANCED PHARMACOLOGY
ADVANCED DRUG FORMULATION
COMPUTER-ASSISTED DRUG DEVELOPMENT

OPTIONAL MODULES

ADVANCED PHARMACEUTICAL ANALYSIS
APPLICATIONS OF ORGANIC CHEMISTRY IN DRUG SYNTHESIS

SEMESTER THREE & FOUR:

THESIS RESEARCH PROJECT

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, will be offered at both university and school/department levels. You will also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. All these activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

PHARMACEUTICAL SCIENCES MRes

MRes Pharmaceutical Sciences is a tailor-made major by XJTLU Wisdom Lake Academy of Pharmacy for the pharmaceutical industry at home and abroad. Based on the two disciplines of chemistry and biology, it covers areas such as pharmaceutical science, pharmacology, toxicology, pharmacognosy, pharmaceutical analysis, clinical pharmacy, and social and administrative pharmacy. The programme is committed to cultivating high-end international compound talents urgently needed by innovative drug R&D enterprises.

The graduates from the MRes Pharmaceutical Sciences programme will have the comprehensive ability to serve as senior applied talents in various fields of the pharmaceutical industry locally and internationally.

Graduates will be capable of engaging in drug discovery, manufacturing, quality control and clinical application in research institutes, drug production and distribution enterprises, medical and health institutions, medical colleges and universities, drug inspection, drug supervision and other fields.

Academy of Pharmacy actively complies with Suzhou's "China Pharma Valley" strategy, the programme aims to cultivate technical professionals in the fields of artificial intelligence drug discovery, natural medicinal chemistry, biopharmaceuticals, translational medicine, personalised medicine, precision medicine, cell and gene therapy, and more. The Academy also plans to provide talent support for the development of the national health industry.

WHAT YOU WILL LEARN

- the basic knowledge and experimental skills of chemistry, life science, basic medicine and other related basic disciplines necessary for pharmaceutical majors;
- the basic theory, knowledge and skills of medicinal chemistry, pharmacology, toxicology, pharmaceutical science, pharmaceutical analysis, pharmacognosy and natural medicinal chemistry, and an understanding of the basics of clinical drug use;
- preliminary training in scientific research methods, preliminary capabilities in drug discovery, drug design and production, drug quality control, lead compound drug screening and drug clinical application;
- the ability to use information technology, literature retrieval methods and relevant mathematical knowledge and skills to analyse and solve problems related to the major;
- an understanding of the regulations and policies of pharmaceutical administration, as well as the economic and management issues in the industry;
- strong self-learning ability to lay the necessary foundation for receiving professional continuing education;
- an understanding of the new scientific progress in this field and new knowledge of related disciplines;

WHY STUDY PHARMACEUTICAL SCIENCES AT XJTLU?

- Pilot Project of XJTLU Stage 3.0:** The MRes Pharmaceutical Sciences programme is based on the international teaching model and resource advantages of XJTLU. The Academy combines XJTLU 3.0 with the strategic goals of China Pharma Valley, by adopting the close cooperation model of government support, enterprise participation and teaching. The programme actively cultivates practical international talents who can use what they learn to meet the demand of enterprises.
- Profound academic accumulation:** We have the academic heritage from our parent universities of Xi'an Jiaotong University and the University of Liverpool, as well as an international academic staff composed of academic experts in various fields and adjunct professors with profound industry experience. The University also has a number of strong related departments, namely Biological Sciences, Chemistry, Mathematics, Statistics and Computer Sciences.
- Seamless curriculum design, science teaching and the industry:** XJTLU Wisdom Lake Academy of Pharmacy closely cooperates with biomedical enterprise partners to set up professional modules and curricula in line with the development trends of the industry, making it both advanced in discipline and practical in knowledge and skills. The curriculum is designed to meet international first-class professional standards, and all modules are taught in English.
- Participating in cutting-edge industrial research projects:** Under the joint guidance of an academic supervisor and an industry adjunct supervisor, relying on rich industrial resources, sophisticated scientific research equipment and a diversified international academic exchange network, students would carry out high-level and cutting-edge research in the biomedical field.

- Industrial environment and employment opportunities:** The Academy is adjacent to Suzhou Biomedical Industrial Park (BioBAY), one of the most innovative and influential biomedical industrial parks in China with more than 500 pharmaceutical innovation companies, which could provide internship opportunities. During the masters study period, students will have the opportunity to join industry-university-research joint platforms such as the university-enterprise joint laboratories to participate in research projects and gain the opportunity to enter international high-end pharmaceutical companies earlier than others.

MODULES

CORE MODULES

SEMESTER ONE:

MODERN PHARMACEUTICAL ACTIVITY SCREENING

ADVANCED PHARMACEUTICAL ANALYSIS

RESEARCH ETHICS AND RESEARCH METHODOLOGY

SEMESTER TWO:

ADVANCED PHARMACOLOGY

ADVANCED DRUG FORMULATION

OPTIONAL MODULES

SEMESTER ONE:

ADVANCED MEDICINAL CHEMISTRY

PRINCIPLES OF TOXICOLOGY

ADVANCED PRINCIPLES OF GXP AND THEIR APPLICATIONS

SEMESTER TWO:

COMPUTER-AIDED DRUG DESIGN

REGULATORY SCIENCES AND PROJECT MANAGEMENT

MODERN SEPARATION TECHNIQUES AND APPLICATIONS



ATTENDANCE

Full time
Part time



DURATION

24 months
36 months



QUALIFICATION

University of Liverpool
MRes Pharmaceutical
Sciences

Information subject to change.
Scan the QR code for updates.



CAREERS AND FURTHER STUDY

Graduates will have the comprehensive ability to serve as senior applied talents in various fields of the pharmaceutical industry at home and abroad. They will be capable of engaging in drug discovery, manufacturing, drug inspection and drug supervision, quality control and clinical application in research institutes, drug production and distribution enterprises, medical and health institutions, and medical colleges and universities.

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, are often offered at both university and school/department levels. You may also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. Such activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

XJTLU ENTREPRENEUR COLLEGE (TAICANG)

The XJTLU Entrepreneur College (Taicang), is the University's new model for a next-generation educational facility to produce graduates with deep academic knowledge and industry-specific skills and abilities.

The initiative focuses on seamless collaboration between academic staff, students, industry, government, and the wider community, with the aim of fostering the development of a modern, entrepreneurial and sustainable society.

Located in the north-east of Suzhou, the seven industry schools housed at the new campus are designed to help graduates become future leaders and prepare for challenges from disruptive technology, rapid innovation, and shifting market demand.



ENTREPRENEURSHIP AND INNOVATION MSc

The MSc Entrepreneurship and Innovation programme has been carefully developed to be both academically robust and practical, valuing innovation and creativity, enabling students to build up a necessary knowledge base for successful entrepreneurial thinking. The MSc Entrepreneurship and Innovation programme is designed to stimulate students to acquire an entrepreneurial mindset. The programme enables students to learn how to identify new innovative or entrepreneurial opportunities, assess their potential, identify possible investors and clients, and bring ideas to the market. They learn how to develop and maximize managerial and leadership skills, including managing multi-disciplinary teams in innovative contexts. Students put theory into practice in the programme, either through creating their own business venture, or through working on their innovative project within a business in their chosen track.

The MSc Entrepreneurship and Innovation programme offers a broad range of pathways to meet diverse students' interests and needs: Business, Circular Economy, Creative Technology, Enterprise Governance, Innovation and Succession, FinTech, Smart Cities and Technology Transfer Management.

WHAT YOU WILL LEARN

- advanced awareness of current theories, trends and techniques in the theory, practice and research of Entrepreneurship and Innovation;
- the ability to compete for opportunities and transform them into viable concepts and business ideas;
- the skills to plan, manage and resource entrepreneurial business activities;
- the capability to evaluate, research, write and present business plans/feasibility studies utilising key relevant frameworks and concepts;
- an understanding of the importance of ethical and social responsibility as well as ethical and social sustainability from a regulatory perspective in entrepreneurialism;
- experience in managing the next stage of your career in your chosen track; and
- an entrepreneurial mindset.

WHY STUDY ENTREPRENEURSHIP AND INNOVATION AT XJTLU?

- Develop entrepreneurial competencies and mindset;
- Improve management skills and entrepreneurship capabilities for leading and directing innovative ventures;
- Get academic support from highly-experienced academic staff with a variety of entrepreneurial and business competence from the University, including the Entrepreneurship and Enterprise Hub within XJTLU Entrepreneur College (Taicang);
- Receive professional support and advice from hand-picked industry mentors to guide you through your plans for how to be an entrepreneur/intrapreneur;
- Earn a University of Liverpool degree that is recognised by the Chinese Ministry of Education and worldwide.

CAREERS AND FURTHER STUDY

The skills, mindset and knowledge gained from this industry-oriented programme leave you well prepared for a career in multiple areas. Whilst many graduates will continue to develop their businesses in their chosen pathway, other opportunities exist as management or business consultants (internal or external to organisations), enterprise leaders, and strategic facilitators in an unlimited choice of areas beyond your chosen pathway.

MODULES

BUSINESS PATHWAY

SEMESTER ONE:

ENTREPRENEURSHIP AND INNOVATION
ENTREPRENEURIAL FINANCE
STRATEGIC MANAGEMENT

OPTIONAL MODULES

ORGANISATIONAL BEHAVIOUR AND PEOPLE MANAGEMENT
MARKETING MANAGEMENT

SEMESTER TWO:

RESEARCH METHODS FOR ENTREPRENEURS
INTELLECTUAL PROPERTY
BUSINESS STRATEGY AND SUSTAINABILITY

OPTIONAL MODULES

LEADERSHIP
VENTURE FINANCE
DIGITAL FINANCE

SEMESTER THREE & FOUR:

WORK PLACEMENT
CONSULTING PROJECT
BUSINESS START-UP

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| <p>✓ ATTENDANCE Full time Part time</p> | <p>🕒 DURATION 24 months 42 months</p> |
| <p>🎓 QUALIFICATION University of Liverpool MSc Entrepreneurship and Innovation</p> | |

Information subject to change.
Scan the QR code for updates.



CIRCULAR ECONOMY PATHWAY

SEMESTER ONE:

ENTREPRENEURSHIP AND INNOVATION
ENTREPRENEURIAL FINANCE
STRATEGIC MANAGEMENT

OPTIONAL MODULES

ORGANISATIONAL BEHAVIOUR AND PEOPLE MANAGEMENT
MARKETING MANAGEMENT

SEMESTER TWO:

RESEARCH METHODS FOR ENTREPRENEURS
INTELLECTUAL PROPERTY
BUSINESS STRATEGY AND SUSTAINABILITY

OPTIONAL MODULES

LEADERSHIP
VENTURE FINANCE
DIGITAL FINANCE

SEMESTER THREE & FOUR:

WORK PLACEMENT
CONSULTING PROJECT
BUSINESS START-UP

CREATIVE TECHNOLOGY PATHWAY

SEMESTER ONE:

ENTREPRENEURSHIP AND INNOVATION
 ENTREPRENEURIAL FINANCE
 STRATEGIC MANAGEMENT

OPTIONAL MODULES

ORGANISATIONAL BEHAVIOUR AND PEOPLE
 MANAGEMENT
 MARKETING MANAGEMENT

SEMESTER TWO:

RESEARCH METHODS FOR ENTREPRENEURS
 INTELLECTUAL PROPERTY
 CREATIVE AND CULTURAL ENTREPRENEURSHIP

OPTIONAL MODULES

BUSINESS STRATEGY AND SUSTAINABILITY
 GAME INDUSTRY AND CULTURE

SEMESTER THREE & FOUR:

WORK PLACEMENT
 CONSULTING PROJECT
 BUSINESS START-UP

ENTERPRISE GOVERNANCE, INNOVATION, AND SUCCESSION PATHWAY

SEMESTER ONE:

ENTREPRENEURSHIP AND INNOVATION
 ENTREPRENEURIAL FINANCE
 FAMILY BUSINESS GOVERNANCE

OPTIONAL MODULES

ORGANISATIONAL BEHAVIOUR AND PEOPLE
 MANAGEMENT
 MARKETING MANAGEMENT
 STRATEGIC MANAGEMENT

SEMESTER TWO:

RESEARCH METHODS FOR ENTREPRENEURS
 ASSET MANAGEMENT AND WEALTH SUCCESSION
 BUSINESS SUCCESSION AND INNOVATION

OPTIONAL MODULES

BUSINESS STRATEGY AND SUSTAINABILITY
 LEADERSHIP

SEMESTER THREE & FOUR:

WORK PLACEMENT
 CONSULTING PROJECT

FINTECH PATHWAY

SEMESTER ONE:

ENTREPRENEURSHIP AND INNOVATION
 ENTREPRENEURIAL FINANCE
 STRATEGIC MANAGEMENT
 FUNDAMENTALS OF FINTECH

SEMESTER TWO:

RESEARCH METHODS FOR ENTREPRENEURS
 INTELLECTUAL PROPERTY
 ETHICS, RISK + REGULATION IN FINTECH

OPTIONAL MODULES

BLOCKCHAIN TECHNOLOGY IN
 FINANCE
 BUSINESS STRATEGY AND
 SUSTAINABILITY
 MACHINE LEARNING IN FINANCE
 DIGITAL FINANCE

SEMESTER THREE & FOUR:

WORK PLACEMENT
 CONSULTING PROJECT (APPLIED FINTECH
 PROJECT)
 BUSINESS START-UP

SMART CITIES PATHWAY

SEMESTER ONE:

ENTREPRENEURSHIP AND INNOVATION
 ENTREPRENEURIAL FINANCE
 STRATEGIC MANAGEMENT
 DIGITAL TRANSFORMATION FOR SMART CITIES

OPTIONAL MODULES

ORGANISATIONAL BEHAVIOUR AND PEOPLE
 MANAGEMENT
 MARKETING MANAGEMENT
 STRATEGIC MANAGEMENT

SEMESTER TWO:

RESEARCH METHODS FOR ENTREPRENEURS
 INTELLECTUAL PROPERTY
 BUSINESS STRATEGY AND SUSTAINABILITY

OPTIONAL MODULES

SUSTAINABLE URBAN PLANNING
 STRATEGIC BUSINESS STRATEGY AND
 SUSTAINABILITY
 SPATIAL ANALYSIS AND VISUALISATION

SEMESTER THREE & FOUR:

WORK PLACEMENT
 CONSULTING PROJECT
 BUSINESS START-UP

TECHNOLOGY TRANSFER MANAGEMENT PATHWAY

SEMESTER ONE:

ENTREPRENEURSHIP AND INNOVATION
 ENTREPRENEURIAL FINANCE
 STRATEGIC CAPABILITIES FOR TECHNOLOGY
 INNOVATION

OPTIONAL MODULES

INDUSTRIAL INTERNET OF THINGS
 MATERIAL SCIENCE AND MANUFACTURING
 PROCESSES

SEMESTER TWO:

RESEARCH METHODS FOR ENTREPRENEURS
 INTELLECTUAL PROPERTY
 TECHNOLOGY TRANSFER: THEORY AND PRACTICE

OPTIONAL MODULES

SUSTAINABLE URBAN PLANNING
 STRATEGIC BUSINESS STRATEGY AND
 SUSTAINABILITY
 TECHNOLOGY AND INNOVATION MANAGEMENT

SEMESTER THREE & FOUR:

WORK PLACEMENT
 CONSULTING PROJECT
 BUSINESS START-UP

ADVANCED MICROELECTRONIC TECHNOLOGY AND MATERIALS MRes

The MRes Advanced Microelectronic Technology and Materials programme provides a thorough study of semiconductor materials and devices, micro/nano-electromechanical systems, and advanced microfabrication technology. It blends theory with practice, equipping students to tackle complex challenges in the microelectronics field. The programme concludes with an Industrial Research Dissertation, giving students practical experience and preparing them for roles as independent researchers and technology leaders in academia and industry. Graduates will be well-versed in microelectronics industrial systems, ready to innovate and contribute significantly to the industry.

WHAT YOU WILL LEARN

Students will gain:

- knowledge in the area of microelectronic materials and microfabrication technology and their applications within microdevices and microsystems;
- the ability to address complex, cross-disciplinary real-world problems with innovative solutions;
- competence as researchers in various academic and industrial contexts;
- effective communication skills, particularly in the field of microelectronics; and
- knowledge and skills in microelectronic industrial systems and their design.

OPTIONAL MODULES

CAREERS AND FURTHER STUDY

As technologies like 5G, the Internet of Things, and artificial intelligence evolve quickly, the microelectronics industry expands, resulting in a greater demand for microelectronic devices. This opens numerous career opportunities in fields such as micro/nano-device and microsystems design, device fabrication and processing, and roles in research institutes, universities, and other organisations. For those passionate about technology and innovation, this is a vibrant and promising field.

MODULES

CORE MODULES

SEMESTER ONE:

SEMICONDUCTOR MATERIALS AND DEVICES

CHARACTERIZATION OF MATERIALS AND MICROELECTRONIC DEVICES

MICRO/NANO ELECTROMECHANICAL SYSTEMS

APPLIED RESEARCH TECHNIQUES AND METHODOLOGIES

SEMESTER TWO:

ADVANCED MICROFABRICATION TECHNOLOGY

INTRODUCTION TO EMERGING DEVICES AND TECHNOLOGY

ADDITIVE MANUFACTURING FOR MICRO DEVICES LEADERSHIP

SEMESTER THREE & FOUR:

INDUSTRIAL RESEARCH DISSERTATION

ATTENDANCE

Full time

DURATION

24months

QUALIFICATION

University of Liverpool

MRes Advanced Microelectronic Technology And Materials

Information subject to change.
Scan the QR code for updates.



The MRes Advanced Microelectronic Technology and Materials programme equips graduates with the skills and knowledge to thrive in this cutting-edge field. Work hard, push boundaries, and be a part of shaping the future of technology.

Dr Yinchao Zhao
PROGRAMME DIRECTOR



ADVANCED ROBOTICS SYSTEMS MSc

The MSc Advanced Robotics Systems is an innovative master's programme that prepares visionary leaders to propel the robotics industry. Offering cutting-edge specialisations in robotics perception, cognition, and manipulation alongside pathways in deployment, management, and entrepreneurship, this course delivers versatile, real-world competencies.

Through mentoring relationships with industry pioneers in China's thriving robotics sector and a semester-long internship, graduates gain highly sought-after skills to spark advancements.

WHAT YOU WILL LEARN

Through this programme, students can gain the following:

- **Robotics technology:** Understanding the fundamentals of robotics, including perception, cognition, learning, control, and manipulation;
- **Integration and deployment:** Knowledge of integrating and deploying robotics technologies in real-world settings, such as manufacturing, agriculture, healthcare, and education;
- **Management:** Leadership and management skills related to multidisciplinary teams, project management, and resource allocation in the context of robotics systems; and
- **Innovation and entrepreneurship:** Understanding the innovation and entrepreneurship aspects of robotics systems, including identifying market opportunities, developing business plans, and commercialising intellectual property.

WHY STUDY ADVANCED ROBOTICS SYSTEMS AT XJTLU?

- This programme has three distinct features: the core modules, optional modules, and the year-long industrial immersion that includes an internship and a research dissertation or advanced industrial project. The core modules will equip graduates with core knowledge of robotics technology. Conversely, the optional modules allow students to have expertise in certain areas of interest.
- Four pathways were created for the optional modules: Advanced Robotics Technologies, Leadership, Technopreneurship (tech entrepreneurship), and Applied Robotics Technologies.
- The final part of the programme, industrial immersion, is geared towards equipping graduates with industrial know-how through projects that would give them an advantage over their peers.

CAREERS AND FURTHER STUDY

Graduates from the MSc Advanced Robotics Systems programme can pursue diverse and rewarding careers in various industries. The skill set acquired in the programme equips graduates for roles that span research, development, implementation, and management in the rapidly evolving field of robotics. Potential career paths include:

- Engineer/designer:
- Researcher
- Automation specialist
- Healthcare robotics specialist
- Entrepreneur
- Project manager

MODULES

CORE MODULES

INTELLIGENT ROBOTICS AND APPLICATIONS

INDUSTRIAL INTERNET OF THINGS (IIOT)

APPLIED RESEARCH TECHNIQUES AND METHODOLOGIES

ADVANCED ROBOTIC INTELLIGENCE AND MACHINE LEARNING

CONTROL AND SENSOR TECHNOLOGIES APPLICATIONS

CONTEMPORARY MECHATRONICS IN INTELLIGENT ROBOTICS

OPTIONAL MODULES

PATHWAY ONE: ADVANCED ROBOTICS TECHNOLOGIES

ADVANCED ROBOTICS ALGORITHM DESIGN

ADVANCED COMPUTER VISION

PATHWAY TWO: LEADERSHIP

LEADERSHIP

BUSINESS ANALYTICS

| | |
|-------------------------------|-------------------|
| ✓ ATTENDANCE | 🕒 DURATION |
| Full time | 24 months |
| Part time | 36 months |
| 🎓 QUALIFICATION | |
| University of Liverpool | |
| MSc Advanced Robotics Systems | |

- Technology consultant
- AI and robotics integration specialist
- Technical sales engineer
- Research and development engineer
- Educator/trainer
- Policy and ethics advisor

Information subject to change. Scan the QR code for updates.



PATHWAY THREE: TECHNOPRENEURSHIP

TECHNOLOGY AND INNOVATION MANAGEMENT
APPLICATION OF CUTTING-EDGE TECHNOLOGIES IN ROBOTICS DESIGN

PATHWAY FOUR: APPLIED ROBOTICS TECHNOLOGIES

IMMERSIVE ROBOTICS STUDIO 1
IMMERSIVE ROBOTICS STUDIO 2

ALL PATHWAYS

INTERNSHIP OR WORK-INTEGRATED LEARNING PROJECT

RESEARCH DISSERTATION OR ADVANCED INDUSTRIAL PROJECT

ARTIFICIAL INTELLIGENCE MSc

The MSc Artificial Intelligence (AI) programme at the School of AI and Advanced Computing (AIAC) at XJTLU Entrepreneur College (Taicang) is research-focused and provides a strong foundation in essential AI principles. It explores advanced methodologies such as large model techniques and generative AI.

The programme aims to equip students with the knowledge and skills necessary to analyse, design, and implement data science and AI solutions for real-world problems.

The two-year programme consists of 40-credit study modules and a 40-credit dissertation. The curriculum includes intensive programming, core AI concepts, extensive machine learning training, and specialised modules covering ethics, AI research methods, and topics tailored to specific interests taught as optional modules. The programme culminates with a year-long dissertation project, allowing students to develop advanced AI solutions, potentially in collaboration with industry partners.

XJTLU-JITRI joint supervision pathway

This programme also provides an XJTLU-JITRI joint supervision pathway, which combines the expertise of XJTLU with the research institutes and top enterprises of Jiangsu Industrial Technology Research Institute (JITRI). This collaboration aims to promote deeper integration between industry, education and research. Through a unique research training model that combines specialised AI theoretical study, industrial research practice, and dual supervision, the programme seeks to nurture interdisciplinary talents that are innovative, solution-oriented and possess a keen international perspective.

WHAT YOU WILL LEARN

Upon graduation from the MSc Artificial Intelligence programme, you will have:

- Gained deep insight into the theoretical foundations of AI techniques and their application in various contexts;
- Evaluated cutting-edge AI technologies to understand their practical significance and applicability across different industries;
- Learned the Legal, Social, Ethical, and Professional Issues (LSEPI) inherent in AI, promoting responsible development and deployment practices;
- Developed practical skills in designing and implementing advanced AI and machine learning programmes using relevant programming languages and frameworks;
- Completed substantial AI projects demonstrating originality and critical thinking, which culminate in detailed reports and practical insights; and
- Mastered the effective oral and written communication of complex AI concepts, and the ability to work productively in team settings, fostering innovation and success.

WHY STUDY ARTIFICIAL INTELLIGENCE AT XJTLU?

- Access to high-quality research facilities with state-of-the-art experimental equipment and modern computer labs, guided by world-class research experts specialising in artificial intelligence;
- Opportunities to engage in pioneering research areas and collaborate closely with renowned research institutes and industry partners to tackle challenges in the field;
- The chance to develop advanced research skills in a rapidly expanding field with promising job opportunities globally;
- The benefit of XJTLU's strategic location near numerous international high-tech companies, providing networking opportunities, internships, and site visits; and
- The ability to earn a University of Liverpool degree recognised by the Chinese Ministry of Education.

CAREERS AND FURTHER STUDY

After completing the MSc Artificial Intelligence programme, you can pursue:

- further academic study, including PhD positions worldwide.
- in-demand opportunities in various sectors such as health, finance, energy, and transport, as well as with companies and government organisations seeking AI expertise.
- roles as AI engineers in tech companies focusing on software solutions in autonomous driving, healthcare, finance, and more.
- opportunities with major tech firms or to start your tech company using our enterprise hub and X3 Co-Venture incubator.

MODULES

CORE MODULES

SEMESTER ONE:

FUNDAMENTALS OF AI

MACHINE LEARNING

APPLIED RESEARCH TECHNIQUES AND METHODOLOGIES

ETHICS, PRIVACY, ARTIFICIAL INTELLIGENCE IN SOCIETY

SEMESTER TWO:

NATURAL LANGUAGE PROCESSING

IMAGE PROCESSING AND COMPUTER VISION

✓ ATTENDANCE
Full time

🕒 DURATION
24 months

🎓 QUALIFICATION
University of Liverpool
MSc Artificial Intelligence

Information subject to change.
Scan the QR code for updates.



OPTIONAL MODULES

SEMESTER TWO

LARGE MODULE TECHNIQUES

REINFORCEMENT LEARNING AND ITS APPLICATIONS

GENERATIVE AI

CONTEMPORARY MECHATRONICS IN INTELLIGENT ROBOTICS

LEADERSHIP



DIGITAL BUSINESS MSc

The world is rapidly evolving in the realms of communication, behavior, and business conduct. The question is: Do you possess the skills required to thrive in this constantly changing digital landscape? The MSc Digital Business programme addresses the global and national shortage of digital skills and aims to cultivate future business leaders for the digital era.

CAREERS AND FURTHER STUDY

The MSc Digital Business programme at XJTLU prepares graduates for a dynamic career landscape driven by digital transformation. It equips students with critical skills in digital supply chain, finance, and marketing. Graduates can pursue roles in digital strategy, digital marketing, business analytics, supply chain management, digital finance, and more. They are ready to lead digital initiatives in various sectors, including technology, finance, retail, and consultancy, adapting to the evolving demands of the digital economy. This programme offers a solid foundation for those aspiring to be at the forefront of digital business innovation and leadership.

 **ATTENDANCE**
Full time

 **DURATION**
24 months

 **QUALIFICATION**
University of Liverpool
MSc Digital Business

WHAT YOU WILL LEARN

Upon graduating from the MSc Digital Business programme, you will achieve:

- A critical understanding of social, innovative, and disruptive technologies in business, along with contemporary trends and models in digital business practice and research;
- The capacity to evaluate complex business environments, formulate effective digital business strategies, and make informed decisions using data and technological tools;
- Proficiency in leadership roles and project management, especially those involving advanced technologies in business;
- Enhanced communication skills for both specialist and non-specialist audiences, and effective collaboration in professional settings;
- A profound understanding of ethical and social responsibility in a digital context, and global awareness for implementing digital business solutions.

WHY STUDY DIGITAL BUSINESS AT XJTLU?

The programme offers three specialised pathways:

- **Digital Supply Chain:** This pathway focuses on integrating digital technologies into supply chain management. It prepares students to tackle modern supply chain challenges in a digital context and lead in various sectors;
- **Digital Finance:** This pathway concentrates on applying digital technologies in finance and equips students to spearhead financial transformations in diverse organisations. It aims to develop the competence in digital tools, an understanding of current financial systems issues, and the ability to apply this knowledge to real-world financial challenges;
- **Digital Marketing:** This pathway focuses on delivering a comprehensive understanding of digital marketing and equips students with the skills to execute effective marketing campaigns in a digital-first environment. It emphasises the importance of global strategies in the evolving landscape of digital marketing.
- Upon graduation, students will be fully prepared to assume comprehensive responsibility for fostering, implementing, and evaluating digital business initiatives across all functional areas of an organisation.

MODULES

DIGITAL SUPPLY CHAIN PATHWAY

SEMESTER ONE:

APPLIED RESEARCH TECHNIQUES AND
METHODOLOGIES

DIGITAL SUPPLY CHAIN

ENTERPRISE RESOURCE PLANNING

DEMAND AND INVENTORY PLANNING

SEMESTER TWO:

BUSINESS ANALYTICS

DIGITAL ECONOMY AND MANAGEMENT

OPTIONAL MODULES (CHOOSE 2 FROM 3)

INTELLIGENT LOGISTICS

STRATEGIC SOURCING IN A DIGITAL WORLD

BUSINESS STRATEGY AND SUSTAINABILITY

SEMESTER THREE:

WORK PLACEMENT

SEMESTER FOUR: (CHOOSE 1 FROM 2)

CONSULTING PROJECT

DISSERTATION

DIGITAL FINANCE PATHWAY

SEMESTER ONE:

APPLIED RESEARCH TECHNIQUES AND
METHODOLOGIES

GLOBAL FINANCIAL MARKETS

FINANCIAL MARKETS, REGULATION, AND
COMPLIANCE

BIG DATA MINING, ANALYSIS, AND MANAGEMENT

SEMESTER TWO:

BUSINESS ANALYTICS

DIGITAL ECONOMY AND MANAGEMENT

DIGITAL FINANCE

OPTIONAL MODULES (CHOOSE 1 FROM 3)

CRYPTOCURRENCIES, BLOCKCHAIN, AND THE
FUTURE OF MONEY

VENTURE FINANCE

BUSINESS STRATEGY AND SUSTAINABILITY

SEMESTER THREE:

WORK PLACEMENT

Information subject to change.
Scan the QR code for updates.



SEMESTER FOUR: (CHOOSE 1 FROM 2)

CONSULTING PROJECT

DISSERTATION

DIGITAL MARKETING PATHWAY

SEMESTER ONE:

APPLIED RESEARCH TECHNIQUES AND
METHODOLOGIES

DIGITAL MARKETING

SERVICE DIGITALISATION

CONSUMER BEHAVIOR IN A DIGITAL WORLD

SEMESTER TWO:

BUSINESS ANALYTICS

DIGITAL ECONOMY AND MANAGEMENT

OPTIONAL MODULES (CHOOSE 2 FROM 3)

SOCIAL MEDIA AND MARKETING

CREATIVE MARKETING

DIGITAL RETAILING

SEMESTER THREE:

WORK PLACEMENT

SEMESTER FOUR: (CHOOSE 1 FROM 2)

CONSULTING PROJECT

DISSERTATION



INTELLIGENT ENGINEERING SCIENCE & INDUSTRIAL OPERATIONS MSc

The MSc in Intelligent Engineering Science & Industrial Operations (MSc IESIO), offered by the School of Intelligent Manufacturing Ecosystem, combines manufacturing engineering with a transdisciplinary approach. Developed in collaboration with six schools at XJTLU Entrepreneur College (Taicang) and key industrial partners, it aims to produce graduates who are skilled in advanced technologies, engineering management, and organisational leadership, and ready to tackle industrial and societal challenges.

The curriculum includes cutting-edge knowledge in manufacturing, robotics, the Internet of Things (IoT), and big data analysis, with a focus on applying technologies to operational problems. Unique features include the Bespoke Industrial Studios, where students engage with real-world scenarios under the guidance of industry experts. The programme also includes an internship within the industry or a semester-long work-integrated-learning project, coupled with a six-month industrial research project in the second year, fostering practical application of skills. MSc IESIO integrates management, entrepreneurship, and innovation, preparing students for diverse roles in industry or as entrepreneurs. This holistic programme is designed to create future leaders equipped with technical, managerial, and leadership expertise, suitable for the evolving needs of modern industries.

WHAT YOU WILL LEARN

Upon graduation, you will learn:

- Advanced technology application and innovation
- Critical analysis and problem-solving
- Interdisciplinary knowledge integration
- Leadership in engineering and business practices
- Collaboration and systems thinking
- Communication and research aptitude

WHY STUDY INTELLIGENT ENGINEERING SCIENCE & INDUSTRIAL OPERATIONS AT XJTLU?

- **Industry-embedded internship scheme:** Gain practical experience through a unique internship that integrates real-world projects and collaboration with industry partners, and apply your knowledge and skills in actual industrial settings;
- **Blend of management, entrepreneurship, and innovation:** The programme interweaves management principles with entrepreneurial and innovative thinking. This multifaceted approach prepares you for diverse industries or entrepreneurial ventures, providing a competitive edge;
- **Bespoke Industrial Studios experience:** Acquire hands-on learning in the Bespoke Industrial Studios, led by industry professionals. Gain practical exposure and insights, learn from experts in the field, and enhance your skills and industry understanding;
- **Collaboration across disciplines:** Benefit from collaboration among five schools and the Entrepreneurship and Enterprise Hub (EEH) at XJTLU Entrepreneur College (Taicang). This multidisciplinary cooperation ensures a comprehensive education, fostering transdisciplinary leaders ready for modern industry challenges and opportunities.

CAREERS AND FURTHER STUDY

Graduates of this programme are equipped for careers in engineering and business. With a solid grasp of advanced engineering knowledge, they can seek career development in roles such as technical specialist, manufacturing engineer, project manager, industrial engineer, and engineering manager. By using the breadth of skills imparted, they can also embark on entrepreneurial ventures, such as creating startups and driving business advancements. Additionally, the programme prepares graduates for conducting research, paving the way for further studies towards a PhD and careers in research.

MODULES

CORE MODULES

MATERIAL SCIENCE AND MANUFACTURING PROCESSES

APPLIED RESEARCH TECHNIQUES AND METHODOLOGIES

BESPOKE INDUSTRIAL STUDIO 1

BESPOKE INDUSTRIAL STUDIO 2

LEADERSHIP

INDUSTRIAL RESEARCH PROJECT

ATTENDANCE

Full time
Part time

DURATION

24 months
36 months

QUALIFICATION

University of Liverpool
MSc Intelligent Engineering Science & Industrial Operations

Information subject to change.
Scan the QR code for updates.



OPTIONAL MODULES

BIG DATA MINING, ANALYSIS, AND MANAGEMENT

INDUSTRIAL INTERNET OF THINGS

CONTROL AND SENSOR TECHNOLOGIES APPLICATIONS

SYSTEMS THINKING AND MODELLING

INDUSTRIAL ECONOMICS

BUSINESS ANALYTICS

INTERNSHIP

WORK-INTEGRATED-LEARNING PROJECT



ACADEMY OF FILM AND CREATIVE TECHNOLOGY

Established in response to various needs of government, industry, and society, and in concordance with the principles laid out by XJTU's Syntegrative Education initiative, the Academy of Film and Creative Technology is re-thinking the role that universities play in the revitalisation of cultural and creative industries.

The AFCT will be a unique multi-location educational model, providing cross-site opportunities for students and staff. Building on the prime values of the University, the Academy brings together a creative core of media and communications technology, creating an international cultural ecosystem driven by knowledge generation to advance industry and society into the future.



CULTURAL AND CREATIVE INDUSTRIES MSc

The MSc Cultural and Creative Industries degree offers students a roadmap to dynamic careers in related fields through understanding the cultural policies, governance and operation of cultural and creative industries. The programme also seeks to place cultural economies in the industrial context, and explore the applications and implications for contemporary industrial practices.

The MSc Cultural and Creative Industries runs under the newly established Academy of Film and Creative Technology and offers three pathways to suit the needs of our diverse student population.

Regardless of whichever pathway a student chooses, they will be engaged in cutting-edge media, technology and creativity. In addition to the subject matter, the programme also has strong entrepreneurial elements – a hallmark of all postgraduate courses from the Academy.

CAREERS AND FURTHER STUDY

The Content Producing pathway can help students become film or media producers, media managers, visual storytellers, film or media distributors, media planners, media marketing or branding managers, content creators or planners, and more.

The Creative Industries pathway can enable students to work as visual designers, creative directors, game art designers, media designers, game developers, content creators, branding managers, curators, and more.

The Cultural Industries pathway can prepare students to become cultural exhibitors, cultural production planners, cultural heritage and tourism planners, event planners or managers, museum or gallery managers, and more.

WHAT YOU WILL LEARN

- comprehensive knowledge and understanding of the historical development and contemporary practices of cultural and creative industries
- a deep understanding of the methodologies and research techniques across the disciplinary landscape
- understanding of key processes and practices employed in developing projects into cultural and creative industries
- knowledge of professional practices relative to the cultural and creative industries
- awareness of the major theories and debates that contribute to the understanding of cultural and creative industries as a creative, critical and economic practice.

WHY STUDY CULTURAL AND CREATIVE INDUSTRIES AT XJTLU?

- **Content Producing:** This pathway cultivates students to become content creators, producers, or other visual storytelling professionals such as filmmakers or production managers. It is suitable for (but not exclusive to) students with previous backgrounds in filmmaking, TV production, performing arts or other related disciplines.
- **Creative Industries:** This pathway trains students to become creative developers and design managers that can work in industries designing products for media consumers. It is suitable for (but not exclusive to) students with previous backgrounds in industrial product design, visual communication design, computer science (such as game development), technology design or other related disciplines.
- **Cultural Industries:** This pathway leads students to become cultural workers that understand and pursue the economic and ecological opportunities for cultural applications and issues. It is suitable for (but not exclusive to) students with previous backgrounds in literature, museology, library science or other related disciplines.



ATTENDANCE

Full time



DURATION

24 months



QUALIFICATION

University of Liverpool
MSc Cultural and
Creative Industries

MODULES

Information subject to change.
Scan the QR code for updates.



CORE MODULES

SEMESTER ONE:

INTRODUCTION TO CULTURAL AND CREATIVE INDUSTRIES

CULTURAL AND MEDIA POLICIES

RESEARCH METHODS FOR CULTURAL AND CREATIVE INDUSTRIES

VISUAL CULTURES

SEMESTER TWO:

CULTURAL AND CREATIVE ENTREPRENEURSHIP

AUDIENCE RECEPTION AND PERCEPTION

MARKETING AND BRANDING FOR CULTURAL AND CREATIVE INDUSTRIES

INTELLECTUAL PROPERTY DESIGN AND DEVELOPMENT

SEMESTER THREE:

RESEARCH DESIGN AND PLANNING

INDUSTRY PRACTICE

ADVANCED VISUAL STORYTELLING TECHNIQUES

CREATIVE AND AESTHETICS ECONOMY

CULTURAL ENGAGEMENT IN PUBLIC SPACE AND COMMUNITY

SEMESTER FOUR:

CONTENT PRODUCING RESEARCH PROJECT

DISTRIBUTION PROJECT

CREATIVE INDUSTRIES RESEARCH PROJECT

COMMERCIALISATION PROJECT

CULTURAL INDUSTRIES RESEARCH PROJECT

DISSEMINATION PROJECT

OPTIONAL MODULES

SEMESTER FOUR:

SUSTAINABILITY AND ETHICS IN CULTURAL AND CREATIVE INDUSTRIES

INDEPENDENT PRODUCING AND MANAGEMENT

GAME INDUSTRIES AND CULTURE

CULTURAL HERITAGE & TOURISM

ADDITIONAL ACTIVITIES

The university offers a broad range of activities aiming to enrich master students' theoretical and experiential learning and professional development. Trainings, workshops and seminars, covering varieties of themes and topics, both generic and subject-specific, are often offered at both university and school/department levels. You may also be provided with opportunities to work as a teaching assistant, research assistant, or intern at XJTLU. Depending on the programme, field trips and company visits may be organized, and invited talks may be given by the industrial experts and professionals. Such activities will not only support you in your programme study, but also develop your personal and professional skills and enhance your overall employability.

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