

# XJTLU



# — UNDERGRADUATE PROSPECTUS



**COLLEGE**  
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Xi'an Jiaotong-Liverpool University

西交利物浦大学

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BEng Intelligent Manufacturing Engineering  
BEng Data Science and Big Data Technology  
BEng Intelligent Robotics Engineering  
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## XI'AN JIAOTONG-LIVERPOOL UNIVERSITY



### FIND YOURSELF... WITH A UK DEGREE IN CHINA

“

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

You have a passion 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

Students earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool.



## AN EXCITING RANGE OF PROGRAMMES

Study sciences, technology, engineering, mathematics, architecture, design and planning, language and culture, media and communications, business, finance or economics.



## ENGLISH-TAUGHT

All programmes are taught 100 percent in English.



## WORLD-CLASS CAMPUS

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



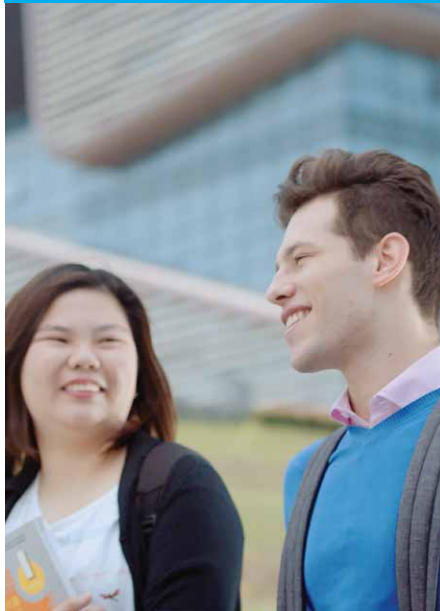
## GROWING GLOBAL COMMUNITY

Almost 15,000 students and 650 academic staff from 50 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 XJTLU?

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

XJTLU 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 centre. If you already know Chinese, you can take top-up classes, or study Spanish or Japanese.



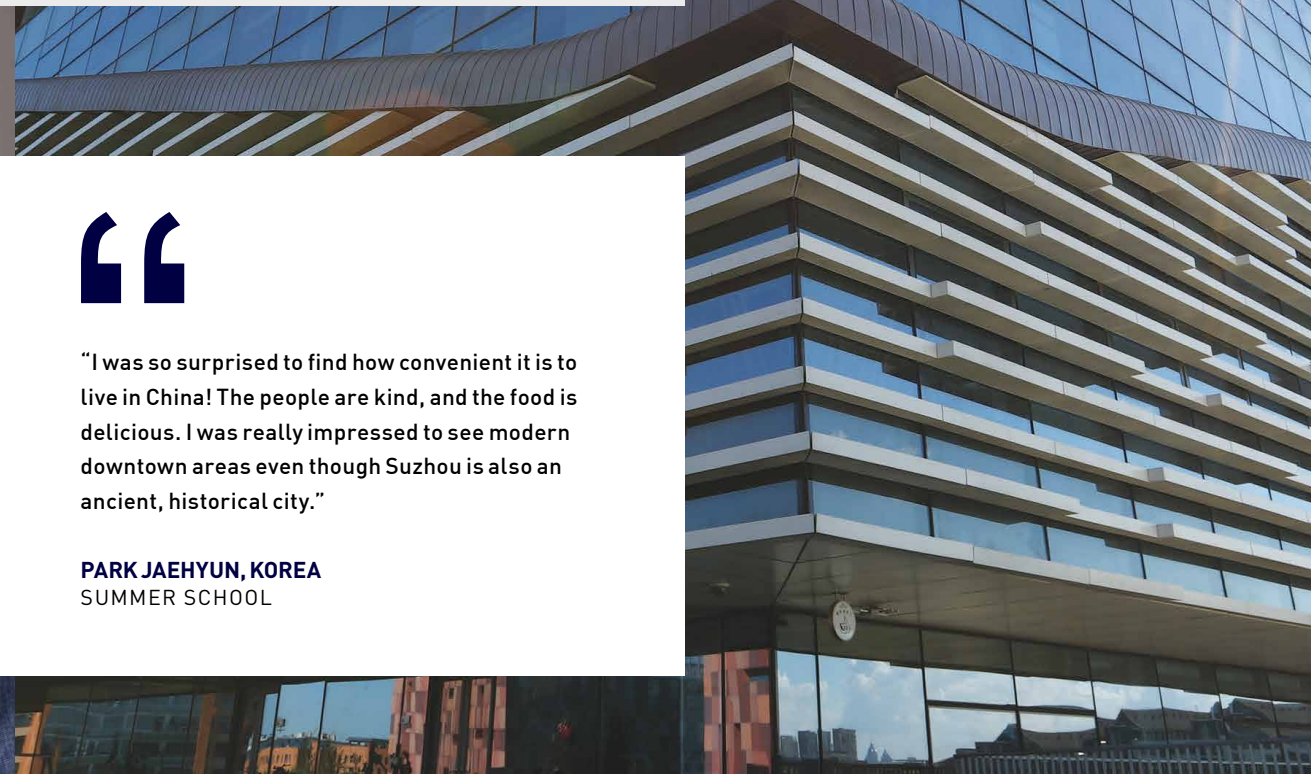
"I was so surprised to find how convenient it is to live in China! The people are kind, and the food is delicious. I was really impressed to see modern downtown areas even though Suzhou is also an ancient, historical city."

**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.

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





## DISTINGUISHED INTERNATIONAL FACULTY AND RESEARCHERS

XJTLU has almost 650 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**  
ARTIFICIAL INTELLIGENCE  
UNIVERSITY RESEARCH CENTRE



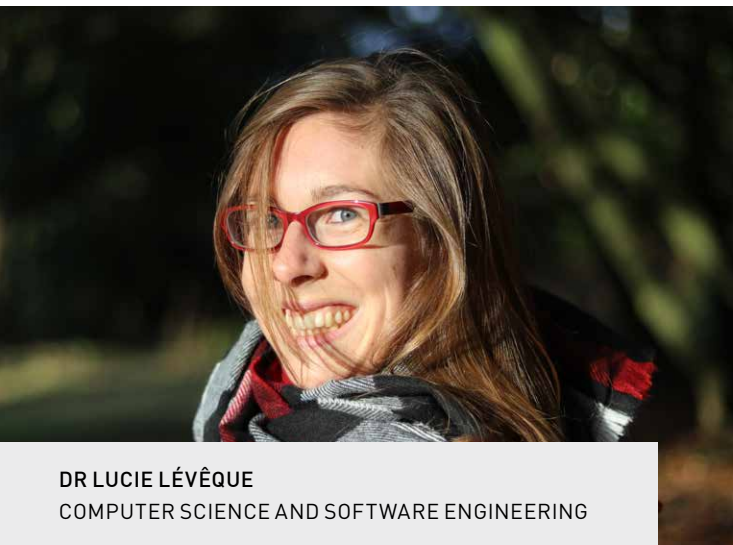
**DR GRAHAM DAWSON**  
CHEMISTRY



**PROFESSOR JOHANNES KNOPS**  
HEALTH AND ENVIRONMENTAL SCIENCES



**DR KONSTANTINOS PAPDIKIS**  
CIVIL ENGINEERING



**DR LUCIE LÉVÊQUE**  
COMPUTER SCIENCE AND SOFTWARE ENGINEERING



**PROFESSOR KAIZHU HUANG**  
ELECTRICAL AND ELECTRONICAL ENGINEERING



**DR ALESSANDRA CAPPELLETTI**  
INTERNATIONAL RELATIONS



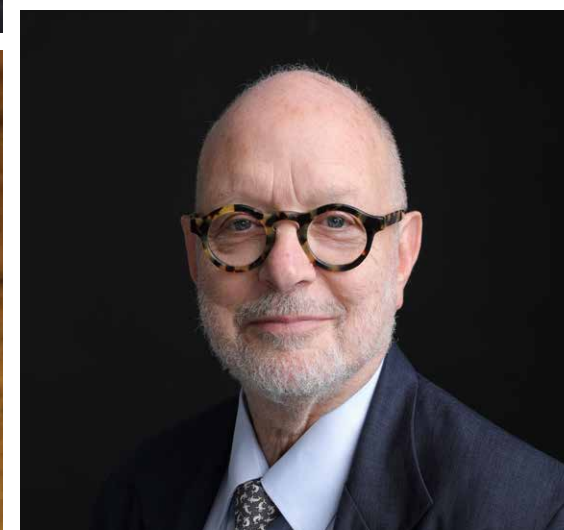
**DR KEPING WU**  
CHINA STUDIES



**DR JUANN HUNG**  
INTERNATIONAL BUSINESS SCHOOL, SUZHOU



**PROFESSOR GISELA LÖHLEIN**  
ARCHITECTURE



**PROFESSOR DAVID GOODMAN**  
VICE PRESIDENT, ACADEMIC AFFAIRS



**DR GARRABOST DONALD JAYALAKSHMI**  
SCHOOL OF FILM AND TV ARTS





# EXPERIENCE CHINA

With the Chinese 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 make new friends 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, traversing 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 people of the world's population speak Chinese, and it will become increasingly influential in the future. Learning 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	11 MILLION
GDP	RMB 1.3 TRILLION (USD 190 BILLION)
TIME ZONE	GMT +8 HOURS
WEATHER	JANUARY (1-5 C) JULY (28-35 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 opportunity 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 XJTLU campus provides state-of-the-art teaching, laboratory, research and support facilities.

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

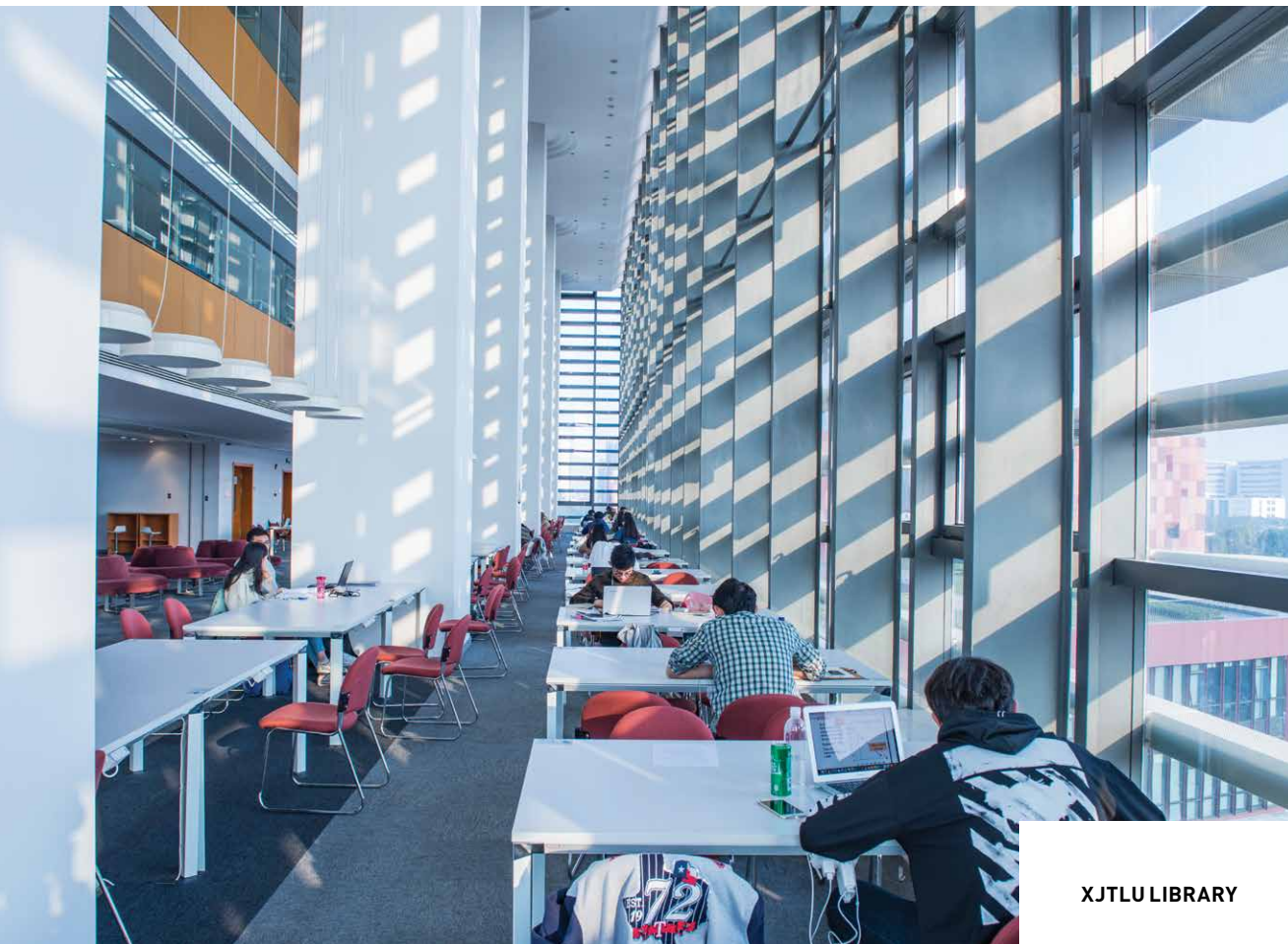
In addition to the world-class science and engineering laboratories, design and media studios, and communications laboratories, our campus also has conference facilities, tennis and basketball courts, multi-purpose sports centre, playing ground, running track, and a variety of catering facilities.



XJTLU NORTH CAMPUS



XJTLU SOUTH CAMPUS



XJTLU LIBRARY



# STUDENT LIFE

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

XJTLU students study hard, but they also lead full and ambitious lives between classes. Student clubs and societies play an important role at XJTLU with more than 120 organisations centred on art, sports, entrepreneurship, social service, academia and science to name but a few.

XJTLU 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.



XJTLU 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





# ACCOMMODATION

The accommodation facilities are located between 5 to 20 minutes from campus and cater to different living styles from private hotel standard rooms to functional single en-suites with shared communal facilities.

When you have received your offer and paid your deposit to secure your place at the University, you can book your accommodation using our booking system. Accommodation is on a first come, first serve basis.



## BUDGET

As lifestyle differs, the cost of living in China could vary enormously. Below is a representative sample which you refer to when budgeting your living costs:

ITEMS	Student A - Resides in international halls and lives cheaply, i.e., only eating Chinese food from the university canteen, avoiding clubbing or drinking, and occasionally taking bus or metro into the old town.	Student B – 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.	Student C - Lives the expat life style normally eating in western restaurants and going to bars. He owns an E-Bike and takes occasional taxis
RENT	1,440	1,440	3,000
UTILITIES	300	300	500
FOOD	1,000	2,000	3,000
TRANSPORT	50	200	300
LUXURIES	0	1,000	2,000
TOTAL MONTHLY	2,790 RMB (around USD\$400)	5,140 RMB (around USD\$750)	8,800 RMB (around USD\$1,330)

Apart from your monthly living costs, you should also allocate budget for the following:

- 2,000 RMB/year or 1,000 RMB/semester to cover service charges (textbooks, ID cards, printing etc.)
- Travelling costs (e.g. bus, taxi, train, flight etc.)
- Medical costs (the insurance is indirect billing, so you are strongly recommended to prepare some money for emergency cases)
- Visa/residence permit costs (400 RMB- 1,000 RMB, details can be found on the XJTLU International Student Visa Policy)





## CAREER 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, foreign-owned banks, financial institutions, foreign-owned manufacturing and developing firms, and large and medium-sized state-owned enterprises.

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  
L’Oréal

PricewaterhouseCoopers  
KPMG  
Ernst & Young  
Deloitte

HSBC  
Standard Chartered Bank  
Swiss Bank  
Royal Bank of Scotland

Lenovo  
Huawei  
ZTE  
Baidu  
Alibaba  
SAIC

### UNITED KINGDOM

University of Cambridge  
University of Oxford  
UCL (University College London)  
Imperial College London  
King’s College London  
The University of Edinburgh  
The University of Manchester  
London School of Economics and Political Science (LSE)  
The University of Warwick  
Durham University

### UNITED STATES

Stanford University  
Harvard University  
Cornell University  
Yale University  
Johns Hopkins University  
Columbia University  
University of Pennsylvania  
University of California, Berkeley  
Northwestern University

### AUSTRALIA

Australian National University (ANU)  
University of Melbourne  
University of New South Wales (UNSW Sydney)  
University of Queensland (UQ)  
University of Sydney  
Monash University

### CANADA

University of Toronto  
University of British Columbia

## FURTHER STUDY

More than 83 percent of our graduates continue onto further studies (Master’s degrees and PhD’s), with almost 30% entering one of the world top 10 universities and almost 72% percent receiving offers from universities ranking in the world top 100.

### GRADUATE STUDY DESTINATIONS

These are some of the top-ranked universities our students have gained entry to after graduating from XJTLU.

### HONG KONG, CHINA

The Hong Kong University of Science and Technology

### JAPAN

The University of Tokyo  
Kyoto University

### SINGAPORE

Nanyang Technological University Singapore (NTU)  
National University of Singapore (NUS)

### REPUBLIC OF KOREA

Seoul National University



“The professors at XJTLU helped me transform from a high school student to an empowered university graduate. They supported me to study for a postgraduate degree at the National University of Singapore and the Technical University of Munich, which are highly ranked global universities. I feel very confident now I have the strength and ability to achieve all the goals in my life.”

MADLINE CHRISTABEL, INDONESIA  
BSc APPLIED CHEMISTRY





# STUDENT SUPPORT

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

## VISA AND ACCOMMODATION

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

## AIRPORT MEET-AND-GREET

XJTLU Global organises a pick-up service for all new international students arriving in China at Shanghai Pudong airport. This service is available during three days of welcome week.

## INDUCTION

The 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 at various social events and societies and clubs introductions.

## ENGLISH LANGUAGE SUPPORT

The Language Centre 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.

## CHINESE CLASSES

The Language Centre also provides free Chinese language classes to all full-time international students delivered by our globally recognised Language Centre.

## CAREER SERVICES

The Career Development Office provides 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 office also arranges 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 XJTLU, you will not only join a growing network of XJTLU alumni, but you will also become a member of the global community of more than 100,000 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 learn a second language.

## ENTREPRENEURSHIP

With guidance from the Career Development Office and XJTLU Innovation Hub, many students take advantage of the XJTLU 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.

“

“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!”

KRISTINA MHLANDHLA, UK  
SUMMER SCHOOL

”



## ADMISSION TO XJTLU





## YEAR ONE

UK undergraduate degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme at XJTLU. Most students, however, enter into Year One.

Year One provides you with a range of interesting modules, language classes and core skills for your degree. You will be grouped into subject-specific clusters and study optional modules and content relevant to that cluster. The types of optional modules you can choose (depending on your cluster) include:

- Professional skills in computer science
- Chemistry around us
- Introduction to social science
- International relations
- China and the world
- Thinking Shakespeare
- Business essentials
- Architectural representation and communication
- Imagining the city
- Key skills for life scientists

Students who need to rapidly improve their English will take the intensive English pathway. All international students take intensive Mandarin modules, giving you a head start in a language invaluable to your future career, while all students may also choose to study Spanish as an optional module. Additionally, undergraduate students from Mainland China study a compulsory course of general social science modules delivered by our Chinese Cultural Teaching Centre.

### ENGLISH FOR ACADEMIC PURPOSES

English for Academic Purposes (EAP) is not just about learning English. EAP classes, delivered by the Language Centre at XJTLU, are subject-focused, meaning you learn the vocabulary and academic skills that will help you when studying in your chosen discipline. Whatever you study, there will be an EAP class available to suit your needs.

EAP classes in both Year One and Year Two use a mix of authentic texts and lectures, combined with student-centred activities, discussion-based classes and tutorials. The skills and content covered will help you to feel more comfortable and competent studying and working in the field that you have chosen. Furthermore, EAP tutors work closely with departments to make sure the content of your class is current, engaging, thought-provoking and relevant.



### MATHEMATICS AND PHYSICS

Mathematics and physics teaching for Year One students is delivered by the Department of Mathematical Sciences. Teaching combines the traditional Chinese systematic method of teaching, with the active learning-orientated approach typical of British universities to give you a solid foundation in mathematics that you can apply throughout the course of your degree programme and subsequent career.

Special lectures on mathematics are held regularly, giving you the opportunity to widen your knowledge, while purpose-designed teaching models, and a personal tutorial system, are used for students with different needs and requirements. Additionally, a variety of channels exist to increase your interest in mathematics and physics, including student societies such as the Mathematics and Science clubs.

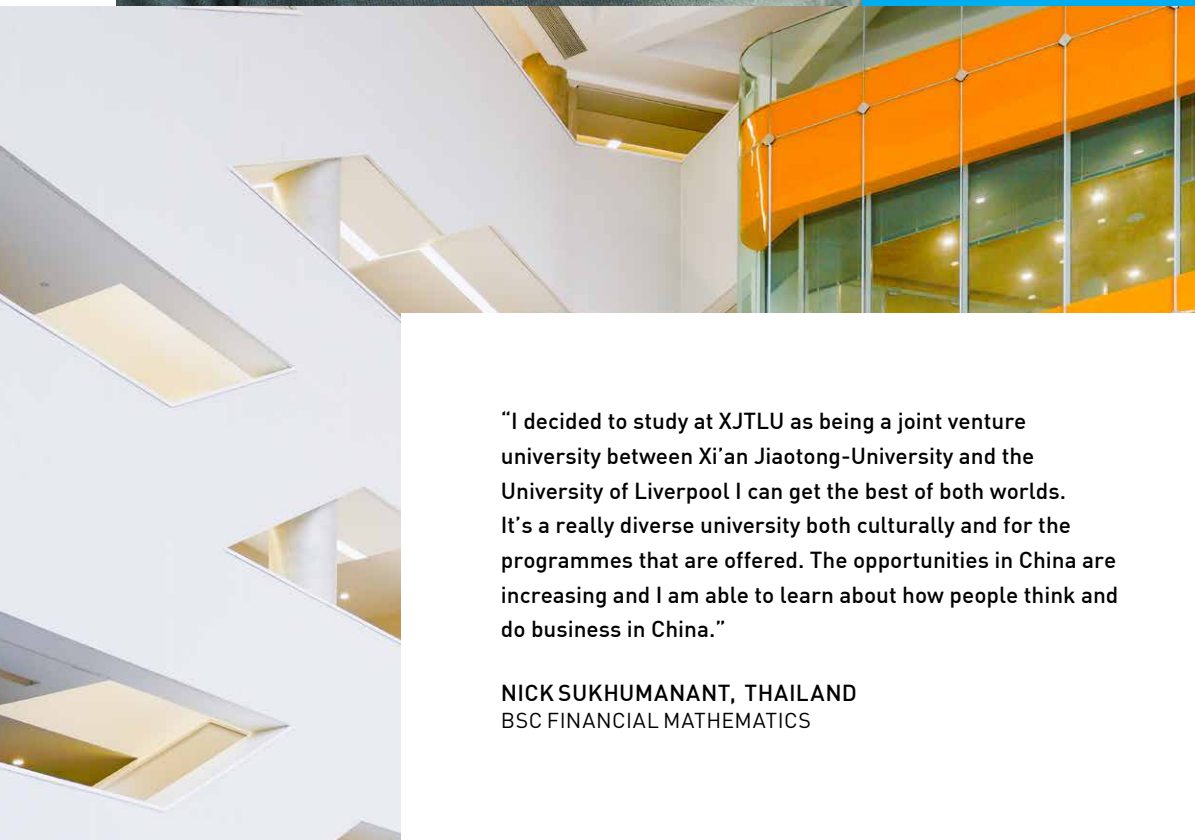




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“I originally planned to study in the UK, but I thought that studying in China would provide more job opportunities, that it would be good to experience the market in China first-hand and also learn Chinese. XJTLU is a great place and you can get degrees from both Liverpool and XJTLU. There’s a real international atmosphere, making it easy to make friends from different countries. The scholarship opportunity made the decision to join XJTLU an easy one.”

**MARIA CHRISTOFORIDOU, UK**  
BA MARKETING



“I decided to study at XJTLU as being a joint venture university between Xi’an Jiaotong-University and the University of Liverpool I can get the best of both worlds. It’s a really diverse university both culturally and for the programmes that are offered. The opportunities in China are increasing and I am able to learn about how people think and do business in China.”

**NICK SUKHUMANANT, THAILAND**  
BSC FINANCIAL MATHEMATICS



## SCHOLARSHIPS

### ENTRY SCHOLARSHIP

XJTLU offers generous entry scholarships of up to 50 percent off the first year tuition fees. This is based on academic merit and is renewable annually based on your continuing strong academic performance.

### GOVERNMENT SCHOLARSHIPS

The Chinese Ministry of Education and the Jiangsu provincial government offer scholarships to international students. Additional scholarships are available to Hong Kong, Macao and Taiwan students.

### PROGRESSION SCHOLARSHIP\*

Progression scholarships are awarded annually on the basis of a student’s overall average marks in the previous academic year.

### THE UNIVERSITY OF LIVERPOOL DISCOUNT\*

All students enrolling at XJTLU in September, who choose to transfer to the University of Liverpool on the 2+2 study route, will be offered a discount of 10 percent off the tuition fees of the University of Liverpool.

\*undergraduate applicants only



# HOW TO APPLY FOR AN UNDERGRADUATE DEGREE

## ENTRY INTO YEAR ONE

We welcome applications from high-quality candidates in all subject areas with appropriate high school or equivalent qualifications. Students will normally be expected to have a high standing in their high school performance with a minimum “B” average in relevant subjects.

## ENTRY INTO YEAR TWO

On the bases of year one criteria, students who have completed A-levels or International Baccalaureate (or equivalent) will be considered for entry into Year Two, different programmes have different subject-relevant requirements:

- A-level: BBB
- IB Diploma: 30 points
- Advanced Placement Tests/Subject SATS--High school diploma with a GPA of 3.0 or above, plus:
  - Redesigned SAT: 1280+ (students that took the SATs previous to 2016 will require 1800+) or ACT: 27, and 2 AP examinations: 4+ or 2 SAT subject tests: 600+ or
  - 3 AP examinations: 4+ or
  - 3 SAT subjects: 600+

## HONG KONG, MACAO AND TAIWAN

Students from Hong Kong, Macao and Taiwan may apply with the following:

- A minimum grade of 400 on the Joint Entrance Examination to Chinese Universities for Overseas Chinese Students and Students from Hong Kong, Macao and Taiwan, or
- General Scholastic Ability Test (GSAT) ranking of at least top 50 percent in 4 subjects, including English and Math.

## ENGLISH LANGUAGE REQUIREMENTS

YEAR ONE ENTRY	IELTS 5.0 TOEFL iBT 62
YEAR TWO ENTRY	IELTS 6.5 TOEFL iBT 90

English qualifications are not required for students from Hong Kong, Macao and Taiwan who take the Joint Examination or the GSAT.

## TUITION FEES

For international, Hong Kong, Macau and Taiwan students:  
88,000 RMB per year (approximately US\$13,000)

# THE CLOSING DATE FOR SEPTEMBER 2020 ENTRY IS 15 JUNE 2020

## CHECKLIST

- Certificates of education qualifications and transcripts, translated into English
- Certificates of English language qualifications such as IELTS, TOEFL or other acceptable English qualifications (as required for non-native speakers of English)
- SAT, ACT, GSAT or other entrance aptitude test scores (if available)
- Personal Statement
- Photocopy of your passport or ID
- Portfolio (required for BEng Architecture & BA Filmmaking)

## EARLY BIRD DISCOUNT

All international and Hong Kong, Macao and Taiwan students who submit an online application and accept their conditional or unconditional offer by 1 May 2020 will automatically qualify for a 8,000 RMB early bird discount.

Hong Kong, Macao and Taiwan students who apply to XJTLU with Joint Entrance Examination through the governmental online application system (The Education Examination Authority of Guangdong Province) will automatically qualify for a 8,000 RMB early bird discount.

Applications will be considered as they are received and we encourage you to submit your application well in advance of the deadline. If you have any questions about the admission process, don’t hesitate to contact us at [international@xjtlu.edu.cn](mailto:international@xjtlu.edu.cn)

## 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.

Visit: [www.xjtlu.edu.cn](http://www.xjtlu.edu.cn)

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.





## UNDERGRADUATE DEGREE PROGRAMMES

XJTLU has bachelor degree programmes in the areas of engineering, science, architecture and design, mathematics, business, management, language, communication and culture.

Depending on their programme, students may choose to study for four years onsite at XJTLU in Suzhou, or study at XJTLU and then transfer to the University of Liverpool in the UK for the final two years of their degree. Regardless of their study route,

full-time undergraduate students receive **dual degrees** upon successful completion of studies.

The quality of our degree programmes is ensured by means of a rigorous quality assurance system established in line with the requirements of the **British Quality Assurance Agency**, supported by high-calibre academic staff and world-renowned scholars recruited from both China and the rest of the world.

● 2+2 STUDY ROUTE AVAILABLE

### ARCHITECTURE

The department engages with the challenges and contradictions of architecture in China in an open-minded and forward-thinking manner. Students are encouraged to seek answers to the questions facing both local and international architecture today.

■ **BEng ARCHITECTURE** ● P37

### BIOLOGICAL SCIENCES

Biology provides insights into life processes, together with advances in genomics, diagnostics and therapeutic drug development, are having a major impact on humanity. The department aims to make fundamental discoveries as well as to address some of the most pressing challenges facing society.

■ **BSc BIOINFORMATICS** ● P41  
■ **BSc BIOLOGICAL SCIENCES** ● P43

### CHEMISTRY

Chemistry is the foundation of many of today's frontier research, from nano-technology to computer chips, and from green energy to molecular biology. The department's research emphasis focusses mainly on chemical biology and advanced functional materials.

■ **BSc APPLIED CHEMISTRY** ● P47

### CHINA STUDIES

The department teaches and researches China's history and culture, society and politics, business and economics. The department also has an active outreach educational programme for staff at XJTLU and in the wider community.

■ **BACHINA STUDIES** P51



SCAN TO VIEW ALL OF OUR  
DEGREE PROGRAMMES  
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CIVIL ENGINEERING	China is currently witnessing rapid economic transformation, alongside unprecedented urbanisation and civil engineering students will be able to take full advantage of China’s evolution. Graduates are technical professionals with an international outlook that can meet future industrial development requirements.	
	<ul style="list-style-type: none"><li>■ BEng ARCHITECTURAL ENGINEERING</li><li>■ BEng CIVIL ENGINEERING</li></ul>	<ul style="list-style-type: none"><li>● P55</li><li>● P57</li></ul>
COMPUTER SCIENCE AND SOFTWARE ENGINEERING	The department delivers undergraduate and postgraduate programmes, and many of our graduates take further studies at world-leading institutions or start their careers with prestigious employers.	
	<ul style="list-style-type: none"><li>■ BEng COMPUTER SCIENCE AND TECHNOLOGY</li><li>■ BSc INFORMATION AND COMPUTING SCIENCE</li></ul>	<ul style="list-style-type: none"><li>● P61</li><li>● P63</li></ul>
ELECTRICAL AND ELECTRONIC ENGINEERING	Programmes are designed to give students solid training in information technology, both software and hardware. Emphasis is placed on the principles of electrical and electronic engineering as well as on more specialised subject areas.	
	<ul style="list-style-type: none"><li>■ BEng DIGITAL MEDIA TECHNOLOGY</li><li>■ BEng ELECTRICAL ENGINEERING</li><li>■ BEng ELECTRONIC SCIENCE AND TECHNOLOGY</li><li>■ BEng MECHATRONICS AND ROBOTIC SYSTEMS</li><li>■ BEng TELECOMMUNICATIONS ENGINEERING</li></ul>	<ul style="list-style-type: none"><li>P67</li><li>● P69</li><li>● P71</li><li>● P73</li><li>● P75</li></ul>
ENGLISH	The department prepares graduates for careers as English-language professionals in the fields of translation, media and communication, finance and international business, linguistics and language education.	
	<ul style="list-style-type: none"><li>■ BA APPLIED ENGLISH</li><li>■ BA ENGLISH AND COMMUNICATION STUDIES</li><li>■ BA ENGLISH AND FINANCE</li><li>■ BA ENGLISH AND INTERNATIONAL BUSINESS</li></ul>	<ul style="list-style-type: none"><li>● P79</li><li>● P81</li><li>P83</li><li>● P85</li></ul>
SCHOOL OF FILM AND TV ARTS	The School aims to provide students with an understanding of theory-informed practice within cinema, broadcast television, the media in its many changing forms, and broader industries including digital media technology and arts, equipping students with an international vision and the language and communication skills to achieve this.	
	<ul style="list-style-type: none"><li>■ BA DIGITAL MEDIA ARTS</li><li>■ BA FILM AND TELEVISION PRODUCTION</li><li>■ BA FILMMAKING</li></ul>	<ul style="list-style-type: none"><li>P89</li><li>P91</li><li>P93</li></ul>
MATHEMATICAL SCIENCES	The department’s academic staff are internationally recognised for their high-quality research in a number of areas of modern mathematics. The mathematical and computational sciences are among the major research strengths of XJTLU.	
	<ul style="list-style-type: none"><li>■ BSc ACTUARIAL SCIENCE</li><li>■ BSc APPLIED MATHEMATICS</li><li>■ BSc FINANCIAL MATHEMATICS</li></ul>	<ul style="list-style-type: none"><li>● P97</li><li>● P99</li><li>● P101</li></ul>
MEDIA AND COMMUNICATION	Department of Media and Communication at XJTLU engages with this field by providing excellence in teaching, research, creative work and service to community.	
	<ul style="list-style-type: none"><li>■ BA COMMUNICATION STUDIES</li></ul>	<ul style="list-style-type: none"><li>● P105</li></ul>

HEALTH AND ENVIRONMENTAL SCIENCE	The department aims to provide holistic solutions for big environmental issues in China and elsewhere, such as living with environmental change, biodiversity loss, pollution, land and water management.	
	<ul style="list-style-type: none"><li>■ BSc ENVIRONMENTAL SCIENCE</li></ul>	<ul style="list-style-type: none"><li>● P109</li></ul>
URBAN PLANNING AND DESIGN	Students studying urban planning and design develop understanding of the processes of spatial change in the built and natural environment and engage the arguments for intervening in these processes. Students develop the knowledge and skills to analyse, critique and ultimately contribute to the sustainability of urban and rural development both in China and around the world.	
	<ul style="list-style-type: none"><li>■ BEng URBAN PLANNING AND DESIGN</li></ul>	<ul style="list-style-type: none"><li>● P113</li></ul>
INTERNATIONAL BUSINESS SCHOOL SUZHOU	IBSS aims to prepare Chinese students for international business and international students for doing business in or with China. The School is based on strong principles of internationalism and innovation and its academic staff has an impressive track record of proven business expertise across the subject fields of management, economics and finance.	
	<ul style="list-style-type: none"><li>■ BA ACCOUNTING</li><li>■ BA BUSINESS ADMINISTRATION</li><li>■ BSc ECONOMICS</li><li>■ BSc ECONOMICS AND FINANCE</li><li>■ BA HUMAN RESOURCE MANAGEMENT</li><li>■ BSc INFORMATION MANAGEMENT AND INFORMATION SYSTEMS</li><li>■ BA INTERNATIONAL BUSINESS WITH A LANGUAGE</li><li>■ BA MARKETING</li></ul>	<ul style="list-style-type: none"><li>● P117</li><li>● P119</li><li>● P121</li><li>● P123</li><li>● P125</li><li>● P127</li><li>● P129</li><li>● P131</li></ul>
INDUSTRIAL DESIGN	The department focusses on user-centred product and systems design for society in response to social, cultural, and technical context. It aims to educate a new generation of industrial and product designers for China’s ongoing social, cultural, and economic transformation.	
	<ul style="list-style-type: none"><li>■ BEng INDUSTRIAL DESIGN</li></ul>	<ul style="list-style-type: none"><li>● P135</li></ul>
INTERNATIONAL RELATIONS	The Department aims to deepen the knowledge of China’s growing interactions with the rest of the world and to produce the entrepreneurial and managerial leaders of the future who will bring China to the world and the world to China.	
	<ul style="list-style-type: none"><li>■ BA INTERNATIONAL RELATIONS</li></ul>	<ul style="list-style-type: none"><li>P139</li></ul>
XJTLU ENTREPRENEUR COLLEGE, TAICANG	The programmes at the new Taicang campus are designed to help graduates become future leaders and prepare for challenges from disruptive technology, rapid innovation, and shifting market demand.	
	<ul style="list-style-type: none"><li>■ BA ART, TECHNOLOGY AND ENTERTAINMENT</li><li>■ BENG INTERNET OF THINGS ENGINEERING</li><li>■ BENG INTELLIGENT MANUFACTURING ENGINEERING</li><li>■ BENG DATA SCIENCE AND BIG TATA TECHNOLOGY</li><li>■ BENG INTELLIGENT ROBOTICS ENGINEERING</li><li>■ BSc INTELLIGENT CHAIN INNOVATION</li></ul>	<ul style="list-style-type: none"><li>P143</li><li>P145</li><li>P147</li><li>P149</li><li>P151</li><li>P153</li></ul>



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# BEng ARCHITECTURE

The programme provides you with a comprehensive foundation in architecture. The curriculum is centred on progressively articulated design studios, where students are confronted with various scales of design, from small buildings to the urban dimension, and with the issue of sustainability in all its facets and implications.

These are complemented each semester by lecture-based modules ranging from theory of architecture and philosophy of arts, to materials, construction and environmental design, from urban studies to professional practice. Unlike other programmes, history of Asian and western architecture are both integrated and equally important in the curriculum.

This is the first Bachelor of Architecture at a Chinese university to receive validation from the Royal Institute of British Architects (RIBA). The Institute commended the department for “creating a distinctive environment in which students learn from an international and Chinese context with an ambition to produce a new type of graduate, with an emphasis on human-centred architecture, for the emerging global context”.



**ATTENDANCE**  
Full time

**QUALIFICATION**  
XJTLU  
BEng Architecture

**2+2 STUDY ABROAD**  
Available

**University of Liverpool**  
BA Architecture

**DURATION**  
Three or four years

**ACCREDITATION**  
RIBA Part 1

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Architecture programme, you will have:

- fluency in the productive use of analogue and digital design tools and media;
- an understanding of processes that form and transform urban space, principles of structure and construction, environmental control, and professional practice, as well as knowledge of conventional and innovative materials, processes and techniques related to architectural design and construction;
- the ability to generate competitive, creative and critical design proposals and the skills and media methods to communicate these proposals clearly and effectively;
- knowledge of architectural history and theory in both the Chinese and international context, as well as an understanding of the role of the architect in the construction industry;
- the ability to evaluate evidence, arguments and assumptions in order to make and present sound judgments both within architectural design discourse and beyond.

## WHY STUDY ARCHITECTURE AT XJTLU?

- Graduate from a programme accredited by RIBA and receive Part 1 validation, with the possibility to register for a Part 2-validated Master through the “Global Professional Architect Track”;
- Enjoy field trips, internships and study opportunities in China and abroad, including the chance to complete your education at the University of Liverpool or to spend Year Three at Politecnico di Torino in Italy;
- Participate in local and international workshops with world-famous architects, as well as guest lectures, exhibitions, competitions and conferences;
- Study in world-class facilities including dedicated design studios open 24/7, a materials library, and fabrication and printing workshops equipped with printers, laser cutters, robotic arms and 3D printers;
- Enjoy the opportunity to be published in the XJTLU Architecture Yearbook or to be featured in one of the exhibitions organised by the department every year;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

With a dual degree, RIBA validation, and strong communication skills, the opportunities for postgraduate architecture studies and professional creative careers in China and around the world are endless. Our alumni have gone on to study at some of the universities ranked at the very top in the field. Additionally,

XJTLU offers its students a direct path to becoming a global professional architect by allowing them to register directly for the Master in Architectural Design during the first year of their studies (conditions apply).

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

INTRODUCTION TO ARCHITECTURE AND VISUAL CULTURE
ARCHITECTURAL REPRESENTATION AND COMMUNICATION
ADDITIONAL MODULES REQUIRED BY THE UNIVERSITY

### YEAR TWO

Year Two provides the basis for the subsequent years of the programme. You will be introduced to the history and theory of architecture, building science, structure and construction as well as building technology.

Experimental studio modules introduce you to the presentation, modelling and design of architectural spaces and small buildings.

DESIGN THINKING AND ARTICULATION
SMALL SPACE DESIGN
STRUCTURES AND MATERIALS
HISTORY OF WESTERN ARCHITECTURE
SMALL SCALE ARCHITECTURAL DESIGN
INTRODUCTION TO ENVIRONMENTAL SCIENCE
HUMANITIES AND ARCHITECTURE
CONSTRUCTION AND MATERIALS

### YEAR THREE

In Year Three, you will pursue design projects that require the integration of a more complex range of contextual parameters. You will continue to learn about building technology and the history and theory of architecture and urban developments.

ENVIRONMENTAL DESIGN AND SUSTAINABILITY
DESIGN AND BUILDING TYPOLOGY
HISTORY OF ASIAN ARCHITECTURE
SMALL URBAN BUILDINGS
STRUCTURAL DESIGN
URBAN STUDIES

### YEAR FOUR

In the final year, you will demonstrate an understanding of the complexity of architectural design processes from initial concepts to the design of buildings, taking into account human needs and desires as well as structural, material and environmental considerations.

Modules on digital design and building technology, theory, aesthetics and professional practice are designed to support the studio tasks. In Year Four, you will have the opportunity to select studio projects from a series of parallel briefs.

ARCHITECTURAL TECHNOLOGY
SMALL AND MEDIUM SCALE BUILDINGS
ARCHITECTURAL THEORY
FINAL YEAR PROJECT
PROFESSIONAL PRACTICE
PHILOSOPHY OF ART AND AESTHETICS



## DEPARTMENT OF BIOLOGICAL SCIENCES

The Department of Biological Sciences has academic staff recruited from top universities and institutes around the world, thriving undergraduate and graduate programmes and first-rate research facilities.

Biological science has become one of the most important and exciting scientific disciplines of the 21st century, and its insights into life processes through genomics, diagnostics and therapeutic drug development are having a major impact on society.

Our department, with its dynamic and highly international staff, aims to make fundamental discoveries as well as to address some of the most pressing challenges facing society.







# BSc BIOINFORMATICS

Bioinformatics combines computer science with molecular biology to give you fundamental insights into life processes. The need for bioinformatics has been triggered by huge scientific advances in collecting biological data.

As the key to extracting meaningful information from this data, bioinformatics is essential for an in-depth understanding of human diseases as well as for the identification of new molecular targets and therapeutic molecules for drug discovery.

You will graduate with the knowledge and skills to tackle real-world life science problems from an informatics and computational perspective.

The programme offers three study pathways, allowing you to tailor programme to your strengths and interests. After Year Two, you have three options:

Continue to study bioinformatics at XJTLU (with computational content emphasised). Continue to study more traditional molecular bioscience modules at XJTLU (with lab-based courses and biological content emphasised). Study traditional molecular bioscience modules at the University of Liverpool in the United Kingdom (with lab-based courses and biological content emphasised).

## WHAT YOU WILL LEARN

By the time you graduate from the BSc Bioinformatics programme, you will have:

- an understanding of key cell and life processes, as well as major issues and challenges in biomedical sciences;
- the ability to implement cutting-edge computational techniques with modern computing devices;
- an solid foundation in the the emerging field of bioinformatics, which has strong market needs and excellent employment prospects in China and international;
- the knowledge to apply various experimental and computational approaches to tackle real-world biomedical problems.

## WHY STUDY BIOINFORMATICS AT XJTLU?

- Gain thorough understanding of bioinformatics and a comprehensive introduction to genetics, cell biology, applied mathematics, biostatistics and key aspects of computer science such as machine learning, artificial intelligence and big data analytics;
- 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 and work experience;
- Learn in a highly international, research-active environment from academic staff trained in globally respected universities and institutes from around the world;
- Enjoy prestigious scientific symposia, conferences and summer schools at the nearby Cold Spring Harbor Asia, which provides you with the ochance to interact with world-famous researchers;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for positions such as bioinformatician, biostatistician, computational biologist, genetic counsellor and clinical bioinformatician, as well as other types of biological and biomedical scientist roles. Graduates can also go on to further study in related fields, such as clinical informatics, computational biology, biostatistics, molecular sciences and drug design.

✓	ATTENDANCE Full time	🎓	QUALIFICATION XJTLU BSc Bioinformatics
🌐	2+2 STUDY ABROAD Available		University of Liverpool BSc Bioinformatics
🕒	DURATION Three or four years		

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

INTRODUCTION TO BIOCHEMISTRY
CELL STRUCTURE AND FUNCTION
INTRODUCTION TO EVOLUTION AND GENETICS
INTRODUCTION TO PROGRAMMING IN JAVA 5
CHEMICAL PRINCIPLES OF LIFE
ALGORITHMIC FOUNDATIONS AND PROBLEM SOLVING
MOLECULAR BIOLOGY PRINCIPLES
BIOCHEMICAL METHODS AND ANALYSIS
ORGANIC CHEMISTRY FOR BIOLOGISTS
INTRODUCTION TO DATABASES

### YEAR THREE

BIostatistics I
BIOINFORMATICS I
MOLECULAR AND CELL BIOLOGY TECHNIQUES
DATABASE DEVELOPMENT AND DESIGN
BIOINFORMATICS II
ADVANCED GENETICS
ARTIFICIAL INTELLIGENCE
METHODS FOR ANALYSING PUBLIC HEALTH V: BIostatistics II

### YEAR FOUR

COMPULSORY MODULES:
BIG DATA ANALYTICS
FINAL YEAR PROJECT (PHASE I)
FINAL YEAR PROJECT (PHASE II)
HIGH-THROUGHPUT BIOLOGICAL DATA ANALYSIS
BIOTECHNOLOGY
PROTEIN STRUCTURE AND FUNCTION
OPTIONAL MODULES:
GENE EXPRESSION AND GENOME ANALYSIS
MOLECULAR IMMUNOLOGY
BIO-COMPUTATION





# BSc BIOLOGICAL SCIENCES

Biology is one of the most exciting scientific disciplines of the 21st century. The insights it provides into life processes, together with recent advances in genomics, diagnostics and therapeutic drug development, are having a major impact on humanity.

The BSc Biological Sciences programme provides you with a comprehensive introduction to the biosciences, equipping you with knowledge and skills in a range of areas, from bioinformatics and biotechnology, to cell signalling, genomics, and structural biology.

This programme is one of the first in the world to be awarded international accreditation by the Royal Society of Biology.



## WHAT YOU WILL LEARN

Upon graduation from the BSc Biological Sciences, you will have:

- an understanding of the major issues and challenges in biomedical sciences;
- the ability to understand and describe biological systems;
- the skills to design and conduct experiments and investigations;
- an appreciation of the moral, social, and ethical issues associated with research and development in the biosciences.

## WHY STUDY BIOLOGICAL SCIENCES AT XJTLU?

- Graduate from a programme that has international accreditation by the Royal Society of Biology, assuring excellence in teaching, curriculum provision and technical skills development as well as enhanced graduate employability;
- 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 and work experience;
- Learn in a highly international, research-active environment from academic staff trained in globally respected universities and institutes from around the world;
- 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 two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme find career opportunities in the fields of biochemistry, genetics, microbiology, and molecular biology and are well-equipped with the scientific knowledge, experimental techniques, and key skills required by industry, research institutions and universities, and government and public services. Graduates can also choose to go onto the further study in related fields including biotechnology, nanotechnology, chemistry and pharmaceuticals.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes, and core skills for your degree. In addition, students who enroll for the BSc Biological Sciences programme will study two subject-specific modules (Introductory Biology, and Key Skills for Biologists) and select additional elective modules.

### YEAR TWO

- CHEMICAL PRINCIPLES OF LIFE
- CELL STRUCTURE AND FUNCTION
- INTRODUCTION TO EVOLUTION AND GENETICS
- INTRODUCTION TO BIOCHEMISTRY
- BIODIVERSITY OF ANIMALS, PLANTS AND MICROBES
- MOLECULAR BIOLOGY PRINCIPLES
- BIOCHEMICAL METHODS AND ANALYSIS
- INTRODUCTION TO STATISTICS
- THE BIOLOGY OF MICROBES
- ORGANIC CHEMISTRY FOR BIOLOGISTS
- MOLECULAR BIOLOGY TECHNIQUES

### YEAR THREE

- COMPULSORY MODULES:
- GENOME EXPRESSION AND MAINTENANCE
  - MICROBIOLOGY AND VIROLOGY
  - MOLECULAR AND CELL BIOLOGY TECHNIQUES
  - PROTEINS IN ACTION
  - MICROBIAL BIOTECHNOLOGY
  - STRUCTURE AND DYNAMICS OF BIOMOLECULES
  - PRACTICAL BIOINFORMATICS
  - CELL SIGNALING
  - ADVANCED GENETICS
  - ADVANCED BIOCHEMICAL METHODS

- OPTIONAL MODULES:
- HIGHER ORGANIC CHEMISTRY FOR BIOLOGISTS
  - BASIC STRUCTURE AND FUNCTION OF THE HUMAN BODY

### YEAR FOUR

- BIOLOGY OF DISEASE
- MOLECULAR IMMUNOLOGY
- GENE EXPRESSION AND GENOME ANALYSIS
- FINAL YEAR PROJECT (PHASE I)
- FINAL YEAR PROJECT (PHASE II)
- PROTEIN STRUCTURE AND FUNCTION
- BIOCHEMICAL MESSENGERS
- BIOTECHNOLOGY

- ✓ **ATTENDANCE**  
Full time
- 🌐 **2+2 STUDY ABROAD**  
Available
- 🕒 **DURATION**  
Three or four years
- 👤 **ACCREDITATION**  
Royal Society of Biology

- 🎓 **QUALIFICATION**  
XJTLU  
University of Liverpool  
BSc Biochemistry  
BSc Genetics  
BSc Microbiology  
BSc Molecular Biology and Biotechnology



## DEPARTMENT OF CHEMISTRY

Students in the Department of Chemistry benefit from a fast-growing programme and first-rate academic staff as well as multiple operational research and teaching laboratories.

Chemistry has been regarded as the central science of the 21st century. Exciting in itself, it is also interconnected with a number of natural sciences and their subdisciplines such as physics, geology, environmental sciences, biology and medicine.

Chemistry plays an important role in pharmacology and drug discovery, nanotechnology, advanced materials, space research and environmental protection. A degree in chemistry will boost your employment opportunities within the chemical and pharmaceutical industries and provide great prospects in many other fields of industry and academia.





# BSc APPLIED CHEMISTRY

The BSc Applied Chemistry provides you with a broad understanding of applied chemistry, drawing on the Department of Chemistry's emerging research strengths in new materials, clean and renewable energy, pharmaceuticals and healthcare.

The programme will train you to a high professional standard, equipping you to deal with challenges in academia and industry, and in highly competitive and interdisciplinary environments.

Our curriculum offers you the most advanced chemistry topics, ensuring what you learn is at the cutting-edge of the field. The knowledge of and hands-on experience with modern technologies make our graduates stand out in both academic institutions and industry.

The BSc Applied Chemistry is accredited by the Royal Society of Chemistry in the United Kingdom. This accreditation means that upon graduation, you will have partially gained the academic requirements needed to achieve chartered status and be able to demonstrate internationally recognised standards of competency as chemists.



## WHAT YOU WILL LEARN

By the time you graduate from the BSc Applied Chemistry, you will have:

- a strong understanding of fundamental chemistry concepts;
- the skills and knowledge to design and conduct experiments;
- research experience gained by the completion of a final-year research project;
- high-level quantitative and problem-solving skills;
- an appreciation of the application of chemistry in nanotechnology, chemical, pharmaceutical, and clean and renewable energy industries.

## WHY STUDY APPLIED CHEMISTRY AT XJTLU?

- Tailor your studies to your own area of interest, with a range of classical and modern chemistry modules available;
- Benefit from a low staff-to-student ratio, allowing you to participate in a wide range of practical exercises;
- Undertake an ambitious final-year project, giving you a taste of a research career and exposing you to the current research topics of the Department of Chemistry;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme go on to become actuaries in a number of sectors including insurance, banking and the government.

In recent years, there has been an increasing trend to recognise that actuarial skills can be applied to a range of roles outside traditional fields, such as agriculture and weather forecasting. Graduates will be well-prepared for careers in companies and organisations that require calculated forecasts and predictions for the future based on mathematics.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

INTRODUCTORY ORGANIC CHEMISTRY I  
INTRODUCTORY SPECTROSCOPY  
INTRODUCTORY INORGANIC CHEMISTRY  
INTRODUCTORY ORGANIC CHEMISTRY II  
LABORATORY TECHNIQUES  
INTRODUCTORY PHYSICAL CHEMISTRY  
KEY SKILLS FOR CHEMISTRY

### YEAR THREE

INTERMEDIATE ORGANIC CHEMISTRY  
INTERMEDIATE PHYSICAL CHEMISTRY  
FURTHER KEY SKILLS IN CHEMISTRY  
INTERMEDIATE INORGANIC CHEMISTRY  
ANALYTICAL CHEMISTRY  
MEASUREMENTS IN CHEMISTRY  
PREPARATIVE CHEMISTRY: SYNTHESIS AND CHARACTERIZATION

INORGANIC APPLICATIONS OF GROUP THEORY  
INTRODUCTION TO BIOLOGICAL CHEMISTRY

### YEAR FOUR

#### COMPULSORY MODULES:

ADVANCED INORGANIC CHEMISTRY  
MODERN APPLICATIONS OF PHYSICAL CHEMISTRY  
ADVANCED ORGANIC CHEMISTRY  
CHEMICAL DATABASE SKILLS  
FINAL YEAR PROJECT  
INTRODUCTION TO MEDICINAL CHEMISTRY  
INTRODUCTION TO ELECTROCHEMISTRY  
INTRODUCTION TO POLYMER CHEMISTRY

#### OPTIONAL MODULES:

ADVANCED NMR SPECTROSCOPY  
INTRODUCTION TO MOLECULAR MODELLING  
ADVANCED ANALYTICAL CHEMISTRY  
NANOTECHNOLOGY AND ADVANCED MATERIALS

The final year project will be carried out in a real research environment with real research objectives. At the end of the project, you are required to submit a thesis detailing the background, experiments and discussion of the results of the research undertaken. It will give you a taste of what a career in research entails.



## DEPARTMENT OF CHINA STUDIES

The Department of China Studies teaches and researches China's history, society, politics and culture. XJTLU's location in Suzhou creates a live learning laboratory in which to examine both China's ancient history and fast-paced contemporary society. Learning is enhanced by site visits to Chinese cities such as Chengdu and Xi'an.

Our students gain an in-depth understanding of the world's most populous nation and largest market. We welcome full-time students into our programme as well as students from other universities who wish to spend a semester or an academic year studying in China. China studies will be of interest to those studying any university degree, but will be of particular interest to students currently studying in the fields of politics, sociology, cultural studies, history and the social sciences. Students also have the opportunity to study the Chinese language during their time at XJTLU.







# BA CHINA STUDIES

The BA China Studies provides you with an in-depth understanding of one of the most important global players of the 21st century - China.

You will learn to apply theories from the humanities and social sciences to your understanding and analysis of China while benefiting from living in country and experiencing the language and culture firsthand.

The programme offers two pathways depending on your career goals. If you are interested in teaching the Chinese language, you can choose the ‘Teaching Chinese as an International Language’ pathway. If you are interested in the study and application of the social sciences, including teaching, you can choose the ‘Contemporary China Studies’ pathway.

All students study the same modules in Years One and Two, allowing you to establish your strengths and interests before selecting your pathway for Years Three and Four.



### ATTENDANCE

Full time



### DURATION

Three or four years



### 2+2 STUDY ABROAD

Not Available



### QUALIFICATION

XJTLU

BA Teaching Chinese to Speakers of Other Language

University of Liverpool

BA China Studies



## WHAT YOU WILL LEARN

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

- an advanced level of proficiency in both English and modern standard Chinese;
- a strong understanding of humanities and social science theories;
- an in-depth understanding of Chinese history and contemporary China’s society, culture, political and economic development

## WHY STUDY CHINA STUDIES AT XJTLU?

- Experience China first-hand and take advantage of XJTLU’s strategic location in Suzhou - one of the most culturally and economically vibrant places in the country ;
- Study a broad range of topics including those related to China’s history and culture, society and politics, and business and economics;
- Benefit from opportunities to undertake fieldwork in different parts of China;
- Learn Chinese, one of the most spoken languages in the world;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.
- The degree is open to both Chinese and international students and is taught in English. International students who meet academic and English language requirements may enter directly into Year Two.

## CAREERS AND FURTHER STUDY

Graduates from this programme pursue careers in a diverse range of organisations and companies looking to link with China in fields such as international business, economics, financial services, government, diplomacy, journalism, education, development and non-governmental organisations. The programme also offers you a solid foundation for pursuing further study in the humanities and social sciences.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

CHINESE CIVILISATION: THINKERS AND IDEAS
CHINESE HISTORY: 1027 BCE-1927 AD
TWENTIETH CENTURY CHINA
CHINA: SOCIETY AND DEVELOPMENT
CHINA: GOVERNMENT AND POLITICS
CLASSICAL CHINESE 1
INTRODUCTION TO CLASSICAL CHINESE

### YEAR THREE

**PATHWAY: TEACHING CHINESE AS AN INTERNATIONAL LANGUAGE**

CLASSICAL CHINESE 2
INTRODUCTION TO LINGUISTICS
TEACHING CHINESE AS AN INTERNATIONAL LANGUAGE I
MODERN AND CONTEMPORARY CHINESE LITERATURE
INTRODUCTION TO SECOND LANGUAGE ACQUISITION
TEACHING CHINESE AS AN INTERNATIONAL LANGUAGE II – TEACHING PRACTICE

**PATHWAY: CONTEMPORARY CHINA STUDIES**  
Choose three from the following:

INTERNATIONAL CHINA
CHINA: FAMILY AND SOCIETY
CHINA: ENTERPRISE AND ENTERPRISE DEVELOPMENT
CHINESE CINEMA
CLASSICAL CHINESE 2

Choose three from the following:

CHINA AND ASIA
CHINA: SOCIAL STRATIFICATION AND CHANGE
CHINA: REGIONAL DEVELOPMENT
CHINA AND THE DIGITAL REVOLUTION
MODERN AND CONTEMPORARY CHINESE LITERATURE

### YEAR FOUR

**COMPULSORY MODULES:**

CHINA STUDIES: FINAL YEAR PROJECT
<b>PATHWAY: TEACHING CHINESE AS AN INTERNATIONAL LANGUAGE</b>
CHINESE AS A GLOBAL LANGUAGE
APPLIED LINGUISTICS
CHINESE LINGUISTICS
CHINESE THEATRE AND PERFORMANCE
LANGUAGE AND LITERATURE
CHINESE WRITING

**PATHWAY: CONTEMPORARY CHINA STUDIES**  
Choose three from the following:  
LOCAL GOVERNMENT IN CHINA

WEST CHINA
CHINA: INTERNATIONAL TRADE
CHINESE LINGUISTICS
CHINESE THEATRE AND PERFORMANCE
CHINESE AS A GLOBAL LANGUAGE
INTRODUCTION TO SECOND LANGUAGE ACQUISITION

Choose three from the following:

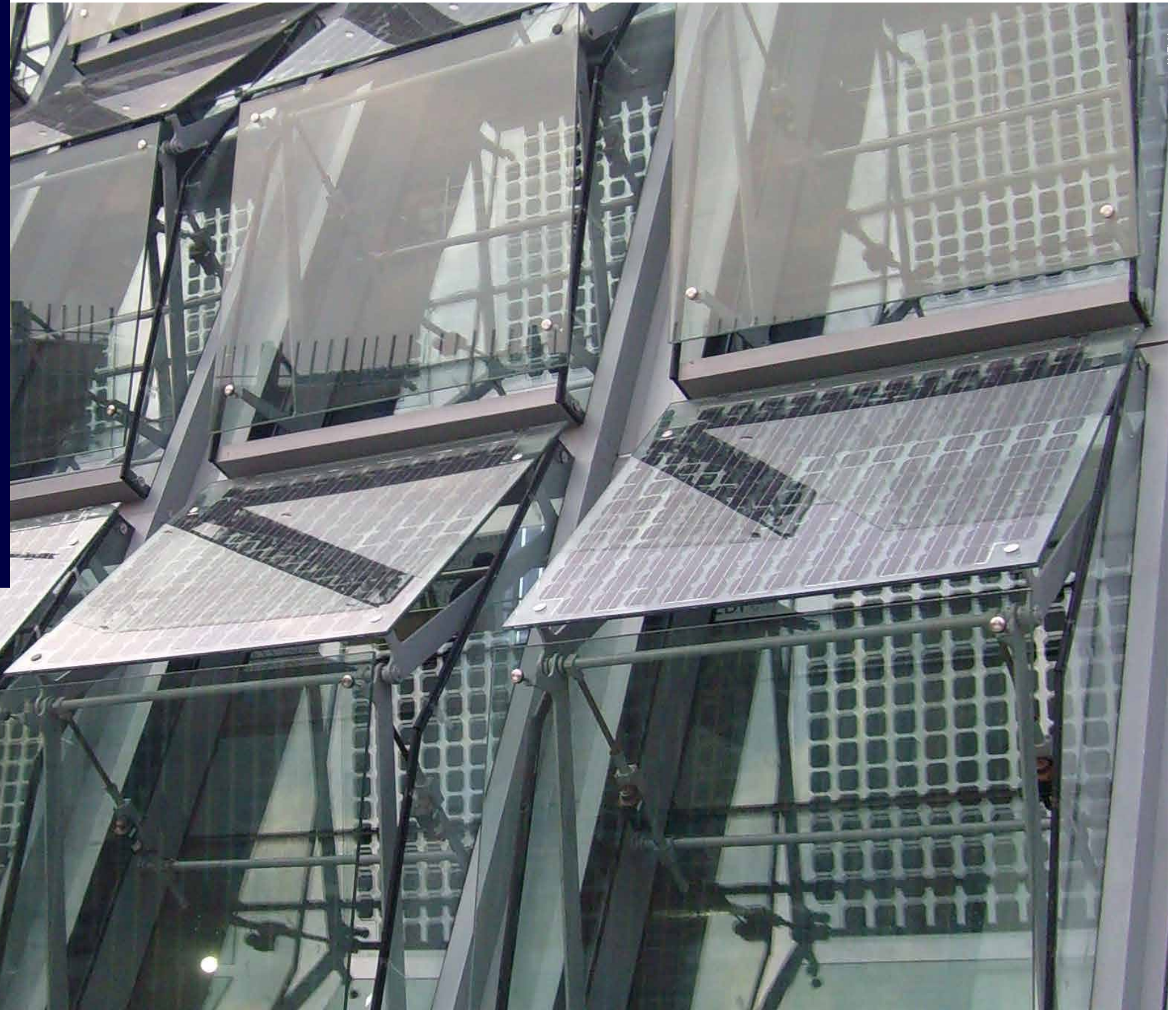
SOCIAL POLICY IN CHINA
CHINA: UNDERSTANDING GENDER
CHINA: THE PUBLIC SECTOR
PORTRAYAL OF CHINA IN WESTERN MEDIA
CLASSICAL CHINESE 3
CHINESE AS A GLOBAL LANGUAGE
INTRODUCTION TO SECOND LANGUAGE ACQUISITION



## DEPARTMENT OF CIVIL ENGINEERING

Our programmes are designed to produce engineers with sound knowledge, problem-solving skills and a comprehensive understanding of the multidisciplinary aspects of building design which combine the precision of civil, structural and building services engineering principles as well as the creativity of architecture.

As China is witnessing rapid economic transformation alongside unprecedented urbanisation, civil engineering students will be able to take full advantage of China's evolution. Our department educates technical professionals with an international outlook who can meet the industrial development requirements of the next century. You will be immersed in both the theory and practice of design and construction. Professors, lecturers and industry professionals from the department provide you with a well-rounded education and in-depth learning of the multidisciplinary interdependence and complexity involved with architectural engineering from the design phase to construction.







# BEng ARCHITECTURAL ENGINEERING

The BEng Architectural Engineering programme is designed to produce architectural engineers with strong problem-solving skills and a comprehensive understanding of the multidisciplinary aspects of building.

The principles and precision of civil, structural, and building services engineering and the creativity of architecture are combined to give you a well-rounded education with excellent career prospects.

The programme prepares you for working with sound professional judgement in multidisciplinary teams through the study of a range of modules in both the Department of Civil Engineering and the Department of Architecture.

Upon graduation you will have fully satisfying the educational base for an Incorporated Engineer (IEng) in the Joint Board of Moderators (JBM) in the United Kingdom, and partially satisfying the educational base for a Chartered Engineer (CEng).



✓

**ATTENDANCE**  
Full time

👤

**ACCREDITATION**  
JBM

🌐

**2+2 STUDY ABROAD**  
Available

🎓

**QUALIFICATION**  
XJTLU  
BEng Architectural Engineering

🕒

**DURATION**  
Three or four years

**University of Liverpool**  
BEng Architectural Engineering

## WHAT YOU WILL LEARN

Upon graduation from the BEng Architectural Engineering, you will have:

- a sound knowledge of architectural studies, building services engineering, construction project management and cost estimation, building information modelling, and the core areas of civil engineering including structures, hydraulics, geotechnics and materials;
- problem-solving skills with the ability to apply a range of qualitative and quantitative techniques in resolving architectural engineering problems;
- practical knowledge of the key aspects of civil engineering and architectural design practices completed a building design and construction project that combines professional elements of both civil engineering and architecture;
- an understanding of the principles of project management, including allocating project resources effectively and how to apply modern construction practices to real-world situations.

## WHY STUDY ARCHITECTURAL ENGINEERING AT XJTLU?

- Graduate from a programme accredited by Joint Board of Moderators (JBM) in the United Kingdom, enabling you to become a world-recognised chartered engineer;
- Gain hands-on experience through site visits, field work, workshops led by industry professionals, lab experiments, and the use of computer analysis software and the latest technologies;
- Explore the form and appearance of buildings, their environmental, social, and economic impact, as well as their design and construction within business and commercial context;
- Learn from international academic staff who will provide you with an outstanding learning experience and opportunities to work on current research projects and papers;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for roles such as structural engineer, project manager, consulting engineer, Building Information Modelling (BIM) engineer, cost estimator, and building envelope designer in the construction and consultancy sectors. The programme also provides a sound basis for further study or a research career in architecture, civil and structural engineering, construction management and engineering or related fields. Most of our graduates go on to study at the world's top universities in countries such as the UK, USA, Canada, Australia, New Zealand, and the Netherlands.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

You will take fundamental modules that are essential for all civil and architectural engineers and for higher level studies: mathematics, basic structures, materials, fluids, surveying, and management. In addition, three modules from the department of Architecture are integrated to introduce students to the basics of architectural design.

DIFFERENTIAL EQUATIONS FOR ENGINEERS
INTRODUCTION TO MANAGEMENT
ARCHITECTURAL TECHNOLOGY AND INNOVATION
INTRODUCTION TO MATERIALS
FLUID MECHANICS
SURVEYING FOR ARCHITECTURAL ENGINEERS
HUMANITIES AND ARCHITECTURE
SOLIDS AND STRUCTURES
INTEGRATED DESIGN OF SMALL BUILDINGS

### YEAR THREE

Year three will enhance your knowledge in building design and construction projects. You will be offered modules related to structural analysis and design, construction materials and methods, soil mechanics, and project management. In addition, aspects of buildings that are specific to architectural engineers will be taught: building topology and building services engineering.

CONSTRUCTION METHODS
ENGINEERING STRUCTURES
REINFORCED CONCRETE AND STEELWORK
BUILDING TYPOLOGY IN INTEGRATED ARCHITECTURAL DESIGN
NUMERICAL METHODS
BUILDING SERVICES ENGINEERING
ARCHITECTURAL ENGINEERING PROJECT
CIVIL ENGINEERING PROJECT MANAGEMENT
BASIC SOIL MECHANICS
CONSTRUCTION MATERIALS
STRUCTURAL BEHAVIOUR AND MODELLING

### YEAR FOUR

In the final year, you will learn more about advanced analysis and design related theory together with real world practical examples. You will be offered modules related to structural design on steel, timber and masonry, foundations, earthquakes, and construction management. The capstone design project will guide you to design a large scale structure. More subjects related to architectural engineering will be introduced, such as cost control and estimation, and building information modelling (BIM). In addition, you will undertake an individual research project of an investigative nature across two semesters of year four.

FOUNDATION ENGINEERING
STRUCTURAL DYNAMICS
CONSTRUCTION COST CONTROL AND ESTIMATION
CONSTRUCTION MANAGEMENT
EARTHQUAKE ENGINEERING
CAPSTONE DESIGN 2
BUILDING INFORMATION MODELLING
FINAL YEAR PROJECT
STEEL STRUCTURES
TIMBER AND MASONRY STRUCTURES



# BEng CIVIL ENGINEERING

The BEng Civil Engineering programme provides a theoretically comprehensive and industry-oriented learning experience to ensure that you graduate prepared for a successful career in this dynamic field.

Civil engineers contribute significantly to the development of society by planning, designing, constructing and managing infrastructure. The construction of buildings, bridges, roads, tunnels, ports, harbours, drainage systems and water treatment plants are all carried out by civil engineers.

Upon graduation you will have fully satisfied the educational base for an Incorporated Engineer (IEng) in the Joint Board of Moderators (JBM) in the United Kingdom, and partially satisfied the educational base for a Chartered Engineer (CEng).



**ATTENDANCE**  
Full time

**QUALIFICATION**  
XJTLU  
BEng Civil Engineering

**2+2 STUDY ABROAD**  
Available

**University of Liverpool**  
BEng Civil Engineering

**DURATION**  
Three or four years

**ACCREDITATION**  
JBM

## WHAT YOU WILL LEARN

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

- completed a civil engineering design project with clearly defined requirements and constraints;
- an understanding of the principles of project management, including allocating project resources effectively;
- the skills to apply modern construction practices in real-world settings;
- the ability to critically apply a range of qualitative and quantitative techniques relevant to the analysis and solution of civil engineering problems.

## WHY STUDY CIVIL ENGINEERING AT XJTLU?

- Graduate from a programme accredited by Joint Board of Moderators (JBM) in the United Kingdom, enabling you to become a world-recognised chartered engineer;
- Gain hands-on experience through site visits, field work, workshops led by industry professionals, lab experiments, and the use of computer analysis software and the latest technologies;
- Choose to enroll in the optional exchange programme at the University of Leeds in the United Kingdom for Year Three of your studies;
- Learn from international academic staff who will provide you with an outstanding learning experience and opportunities to work on current research projects and papers;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for roles such as structural engineer, project manager, consulting engineer, construction inspector, hydraulic engineer and geotechnical engineer in both the private and public sectors. The programme also offers a strong foundation for further study or a research career with many of our graduates pursuing postgraduate qualifications at some of the world’s top universities.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of modules together with mathematics, physics, language classes, and core skills for your degree.

### YEAR TWO

You will be introduced to the fundamental modules that are essential for civil engineering and for higher level studies. These modules are mathematics, basic structures, materials, fluids, surveying, engineering skills, geology, and management.

DESIGN FOR ENGINEERS
DIFFERENTIAL EQUATIONS FOR ENGINEERS
INTRODUCTION TO MANAGEMENT
INTRODUCTION TO MATERIALS
FLUID MECHANICS
GEOLOGY
ENGINEERING SKILLS
SURVEYING
SOLIDS AND STRUCTURES

### YEAR THREE

Year three will help to further develop your fundamental knowledge on various subjects. You will be offered modules related to structural analysis and design, construction materials and methods, hydraulics, soil mechanics and project management. You will also gain experience in designing a small-scale structure considering different aspects of civil engineering in the module Capstone Design I.

CONSTRUCTION METHODS
ENGINEERING STRUCTURES
REINFORCED CONCRETE AND STEELWORK
NUMERICAL METHODS
HYDRAULICS
WATER RESOURCES ENGINEERING 1
CIVIL ENGINEERING PROJECT MANAGEMENT
BASIC SOIL MECHANICS
CAPSTONE DESIGN 1
CONSTRUCTION MATERIALS
STRUCTURAL BEHAVIOUR AND MODELLING

### YEAR FOUR

In the final year you will learn more about advanced analysis and design-related theory together with real world practical examples. You will be offered structural design theory on steel, timber and masonry. You will also be offered modules related to foundations, earthquakes, environment and construction management. Capstone design 2 will guide you to design a large scale structure. Finally, you will undertake an individual research project of an investigative nature across two semesters of year 4.

ENVIRONMENTAL STUDIES
FOUNDATION ENGINEERING
STRUCTURAL DYNAMICS
ADVANCED SOIL MECHANICS
CONSTRUCTION MANAGEMENT
TRAFFIC AND HIGHWAYS DESIGN
EARTHQUAKE ENGINEERING
CAPSTONE DESIGN 2
WATER RESOURCES ENGINEERING 2
FINAL YEAR PROJECT
STEEL STRUCTURES
TIMBER AND MASONRY STRUCTURES







# BEng COMPUTER SCIENCE AND TECHNOLOGY

As technology continues to transform the way we live, work and play, there is an increasing demand for professionals with an understanding of the intersection between the fields of engineering and computer science.

The BEng Computer Science and Technology programme combines the core elements of electrical and electronic engineering with those of computer science to equip graduates with detailed knowledge of the design and development of both hardware and software.

You will study in an integrated learning environment where there is a strong focus on developing research and problem-solving skills. You will graduate with the ability to find innovative solutions to complex technical challenges.



## WHAT YOU WILL LEARN

By the time you graduate from BEng Computer Science and Technology, you will have:

- an understanding of the fundamentals of computer science and electrical and electronic engineering;
- technical skills in mathematics, hardware engineering, software engineering, design and management;
- the ability to apply and combine knowledge, skills and understanding effectively to investigate and resolve complex problems in research and industrial environments.

## WHY STUDY COMPUTER SCIENCE AND TECHNOLOGY AT XJTLU?

- Combine the core elements of electrical and electronic engineering with those of computer science to give you a competitive edge in the job market;
- Learn from academic staff trained in globally respected universities and institutes who have collaborated with leading international partners such as Texas Instruments (USA), Synopsys (Ireland/USA), LG (Korea), and IBM (China);
- Engage in research projects with opportunities to present your results at international conferences, publish in leading journals, and undertake a Summer Undergraduate Research Fellowship;
- Gain practical experience with work experience and internships opportunities;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for careers in the information technology industries, electronic design and automation enterprises, electronic and computer equipment manufacturers, project consultancies, and research institutions. The quantitative and other transferable skills you will acquire mean that you could also pursue a career in a non-technical profession such as banking or management. The programme also provides a solid foundation to pursue further study.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

ELECTRICAL CIRCUITS I  
ENGINEERING MATHEMATICS I  
INTRODUCTION TO PROGRAMMING IN JAVA  
COMPUTER SYSTEMS  
ELECTRONIC CIRCUITS  
DIGITAL ELECTRONICS I  
INTEGRATED ELECTRONICS AND DESIGN  
INTRODUCTION TO DATABASES  
C++ PROGRAMMING & SOFTWARE ENGINEERING II  
ENGINEERING MATHEMATICS II

### YEAR THREE

DIGITAL ELECTRONICS II  
ELECTRONIC CIRCUITS AND SYSTEMS

✓ **ATTENDANCE**  
Full time

🌐 **2+2 STUDY ABROAD**  
Available

🕒 **DURATION**  
Three or four years

🎓 **QUALIFICATION**  
XJTLU  
BEng Computer Science and Technology

**University of Liverpool**  
BEng Computer Science and Technology

CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEMS I  
INTRODUCTION TO NETWORKING  
SOFTWARE ENGINEERING I  
MICROPROCESSOR SYSTEMS  
ANALOGUE AND DIGITAL COMMUNICATIONS I  
INDUSTRIAL AWARENESS AND GROUP PROJECT  
CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEMS II  
INSTRUMENTATION AND CONTROL SYSTEM  
ADVANCED OO PROGRAMMING

### YEAR FOUR

**COMPULSORY MODULES:**  
DIGITAL SYSTEM DESIGN WITH HDL  
ANALOGUE AND DIGITAL COMMUNICATIONS II  
BIG DATA ANALYTICS  
BIO-COMPUTATION  
SOFTWARE ENGINEERING II  
EMBEDDED COMPUTER SYSTEMS

**OPTIONAL MODULES:**  
MULTI-AGENT SYSTEMS  
COMPUTER SYSTEMS SECURITY  
FINAL YEAR PROJECT (PHASE I & II) [CSE305]  
FINAL YEAR PROJECT (PHASE I & II) [EEE311]





# BSc INFORMATION AND COMPUTING SCIENCE

The BSc Information and Computing Science programme will provide a broad knowledge of information science and computing science. It contains designing, developing, building software systems by writing algorithms in order to process, structure and manage information. It also involves in research and development in communications and media systems by using various computing principles and practical skills. The students will learn how cutting-edge information and computer technology are developed and how to apply them creatively to solve practical problems.

Programme instructors have worked at world-renowned institutions and have diverse experience in teaching, research and collaboration with industry.



### ATTENDANCE

Full time



### QUALIFICATION

**XJTLU**  
BSc Information and Computing Science



### 2+2 STUDY ABROAD

Available

### University of Liverpool

BSc Information and Computing Science



### DURATION

Three or four years

## WHAT YOU WILL LEARN

By the time you graduate from BSc Information and Computing Science, you will have:

- the ability to design and develop computer-based systems;
- the skills to analyse the effectiveness of computer-based systems and the ways in which they may be developed;
- a demonstrated knowledge and understanding of mathematical principles and computational modelling which underpin the study of information and computing science;
- the ability to work as a member of a development team, recognising the distinct roles within a team and different ways of organising teams;
- the capability to perform innovative work using cutting edge technologies.

## WHY STUDY INFORMATION AND COMPUTING SCIENCE AT XJTLU?

- Receive in-depth knowledge about both the theory and practice of information and computing science;
- Engage in research under the supervision of staff with the possibility of presenting your results at international conferences and publishing in leading journals;
- Apply for Summer Undergraduate Research Fellowships that allow you to conduct supervised research with financial support;
- Take advantage of student placement opportunities for career development and practical experience to complement your theoretical studies;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates will be well prepared for positions as software engineers, information system developers, system administrators and other jobs in the information technology and computing industries. The programme also provides a solid foundation for those who want to start their own companies or find employment within specialist fields such as software development, intelligent systems, data science and analysis, information systems, electronic commerce, mobile development and computer games design.

Graduates will also gain a solid foundation for postgraduate study in information and computer science.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

COMPUTER SYSTEMS  
INTRODUCTION TO PROGRAMMING IN JAVA  
INTRODUCTION TO DATABASES  
FOUNDATIONS OF COMPUTER SCIENCE  
ALGORITHMIC FOUNDATIONS AND PROBLEM SOLVING  
DATA STRUCTURES  
INTRODUCTION TO ARTIFICIAL INTELLIGENCE  
OPERATING SYSTEM CONCEPTS

### YEAR THREE

COMPULSORY MODULES:  
DECISION, COMPUTATION AND LANGUAGE  
INTRODUCTION TO NETWORKING  
SOFTWARE ENGINEERING I

HUMAN CENTRIC COMPUTING  
COMPLEXITY OF ALGORITHMS  
ADVANCED OO PROGRAMMING  
SOFTWARE ENGINEERING GROUP PROJECT

OPTIONAL MODULES:  
COMPUTER GRAPHICS  
DATABASE DEVELOPMENT AND DESIGN

### YEAR FOUR

COMPULSORY MODULES:  
FINAL YEAR PROJECT

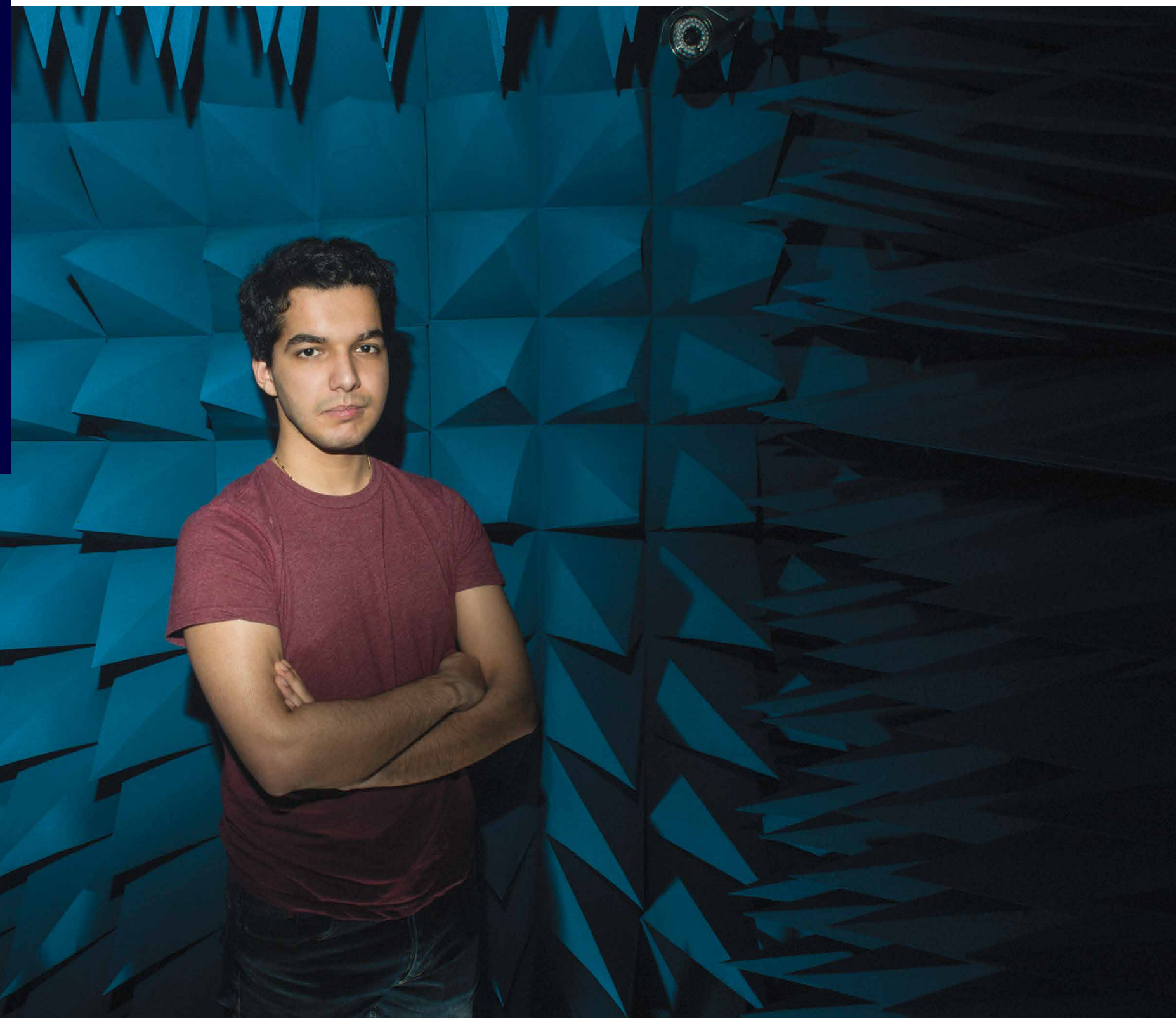
OPTIONAL MODULES:  
BIO-COMPUTATION  
MACHINE LEARNING  
BIG DATA ANALYTICS  
FORMAL METHODS  
MOBILE COMPUTING  
MULTI-AGENT SYSTEMS  
TECHNOLOGIES FOR E-COMMERCE  
COMPUTER SYSTEMS SECURITY  
SOFTWARE ENGINEERING II  
PRINCIPLES OF COMPUTER GAMES DESIGN



## DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

The Department of Electrical and Electronic Engineering prepares students to excel in one of today's fastest-changing fields. Our commitment to cutting-edge research and continual programme development helps ensure that students graduate at the forefront of their chosen field and are well-prepared to lead the development of the profession and the field.

Our programmes are designed to give you solid training in both software and hardware. Emphasis is placed on the principles of electrical and electronic engineering as well as more specialised subject areas.





# BEng DIGITAL MEDIA TECHNOLOGY

In the BEng Digital Media Technology programme, you will learn how computerised or electronic devices can represent, record, transmit, process, display and interact with multimedia information, such as text, audio, images, video and animations.

Computer science technologies you will learn about include programming, signal and image processing, international networks, computer graphics and game design, and multimedia system management.

Studying this programme will give you a fundamental understanding of electronic engineering and computer science, with an emphasis on digital media technology.

You will receive an understanding of hardware and software systems and how this knowledge can be applied creatively in the media and the arts.

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Digital Media Technology, you will have:

- a broad understanding of the hardware and software that support the digital media industries;
- an appreciation of the way hardware and software can be used creatively within the media industries;
- the ability to use your knowledge and skills in the development of new and imaginative digital media projects.

## WHY STUDY DIGITAL MEDIA TECHNOLOGY AT XJTLU?

- Obtain knowledge and skills that will provide you with great potential to aid society and improve quality of life;
- Take advantage of the fact that the MSc Multimedia Telecommunications programme leading to a University of Liverpool degree is available as an extension course for the BEng Digital Media Technology programme;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.
- The programme is accredited by The Institution of Engineering and Technology (IET).

## CAREERS AND FURTHER STUDY

Graduates from this programme can find employment as engineers within the rapidly growing digital media industries, including internet development, the games industry and information systems management.

✓ **ATTENDANCE**  
Full time

🌐 **2+2 STUDY ABROAD**  
Not Available

🕒 **DURATION**  
Three or four years

🎓 **QUALIFICATION**  
XJTLU  
BEng Digital Media  
Technology

**University of Liverpool**  
BEng Digital Media  
Technology

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

ENGINEERING MATHEMATICS I  
ELECTRICAL CIRCUITS I  
ELECTRONIC CIRCUITS  
INTRODUCTION TO PROGRAMMING IN JAVA  
DIGITAL ELECTRONICS I  
ENGINEERING MATHEMATICS II  
INTRODUCTION TO DATABASES  
DATA STRUCTURES  
INTRODUCTION TO ARTIFICIAL INTELLIGENCE

### YEAR THREE

ELECTRONIC CIRCUITS AND SYSTEMS  
DIGITAL ELECTRONICS II  
CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEMS I

INTRODUCTION TO NETWORKING  
COMPUTER GRAPHICS  
ANALOGUE & DIGITAL COMMUNICATIONS I  
CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEMS II  
MICROPROCESSOR SYSTEMS  
INDUSTRIAL AWARENESS AND GROUP PROJECT  
ADVANCED OBJECT-ORIENTED PROGRAMMING  
HUMAN CENTRIC COMPUTING

### YEAR FOUR

#### COMPULSORY MODULES:

MOBILE COMPUTING  
MULTIMEDIA SECURITY SYSTEMS  
MULTIMEDIA INFORMATION RETRIEVAL AND TECHNOLOGY  
PRINCIPLES OF COMPUTER GAMES DESIGN  
IMAGE PROCESSING  
EMBEDDED COMPUTER SYSTEMS

#### OPTIONAL MODULES:

FINAL YEAR PROJECT (PHASE I & II) (EEE311)  
FINAL YEAR PROJECT (PHASE I & II) (CSE305)  
TECHNOLOGIES FOR E-COMMERCE  
SIGNAL PROCESSING AND DIGITAL FILTERING



# BEng ELECTRICAL ENGINEERING

The BEng Electrical Engineering programme will equip you with a fundamental understanding of electrical engineering theory and the ability to solve engineering problems relating to power generation, transmission, distribution, control, protection and consumption. The programme blends the fundamentals of electrical engineering and electronics in Year Two, with more specialist knowledge in the following two years.



#### ATTENDANCE

Full time



#### QUALIFICATION

XJTLU

BEng Electrical Engineering



#### DURATION

Three or four years



#### 2+2 STUDY ABROAD

Available

#### University of Liverpool

BEng Electrical and Electronic Engineering

BEng Electrical Engineering

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Electrical Engineering, you will have:

- a thorough understanding of the fundamentals of electrical and electronic engineering;
- knowledge and skills in mathematics, software engineering, design and management;
- transferable analytical, problem solving, communications, teamwork and project management skills.

## WHY STUDY ELECTRICAL ENGINEERING AT XJTLU?

- Use labs specifically designed for the electrical engineering degree;
- Enjoy an exceptionally low student to workstation ratio (1:3) that gives you the opportunity to perform individual experiments using cutting-edge technology;
- Take field trips to power stations in Suzhou and surrounding cities;
- Take advantage of partnerships with companies such as Littlefuse and REenergy Electric (Suzhou) Co., Ltd;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared for positions such as electric engineers, control and instrumentation engineers, electronic engineers and process engineers, as well as a wide variety of roles in the fields of electronic science and technology and telecommunications engineering.

Graduates will also gain a solid foundation for postgraduate study in electrical engineering or renewable energy technology.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

ELECTRONIC CIRCUITS

ELECTRICAL CIRCUITS I

C PROGRAMMING & SOFTWARE ENGINEERING I

ENGINEERING MATHEMATICS I

ELECTROMAGNETISM AND ELECTROMECHANICS

DIGITAL ELECTRONICS I

EXPERIMENTAL, COMPUTER SKILLS AND SUSTAINABILITY

ENGINEERING MATHEMATICS II

INTEGRATED ELECTRONICS AND DESIGN

#### OPTIONAL MODULES:

C++ PROGRAMMING & SOFTWARE ENGINEERING II

ENGINEERING DRAWING

### YEAR THREE

ELECTRONIC CIRCUITS AND SYSTEMS

ADVANCED ELECTRICAL CIRCUITS AND ELECTROMAGNETICS

CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEMS I

CMOS DIGITAL INTEGRATED CIRCUITS

DIGITAL ELECTRONICS II

ENGINEERING MATHEMATICS III

MICROPROCESSOR SYSTEMS

INDUSTRIAL AWARENESS AND GROUP PROJECT

POWER ELECTRONICS AND ELECTRO-MECHANICS

CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEMS II

INSTRUMENTATION AND CONTROL SYSTEM

ANALOGUE & DIGITAL COMMUNICATIONS I

ENERGY CONVERSION AND POWER SYSTEMS

### YEAR FOUR

#### COMPULSORY MODULES:

DRIVES, POWER GENERATION, TRANSMISSION AND RELAYING

DIGITAL CONTROL AND AUTOMATIC CONTROL

FINAL YEAR PROJECT (PHASE I & II)

OPTIMISATION

PROTECTIVE RELAYING

#### OPTIONAL MODULES:

ANALOGUE AND DIGITAL COMMUNICATIONS II

ANTENNAS

DIGITAL DESIGN WITH HDL

ELECTRONICS FOR COMMUNICATIONS

ELECTRONICS FOR INSTRUMENTATION

INTEGRATED CIRCUITS – CONCEPTS AND DESIGN

INFORMATION THEORY AND DATA COMMUNICATIONS

EMBEDDED COMPUTER SYSTEMS

INTRODUCTION TO OPTOELECTRONICS AND PHOTONICS

PHOTONICS AND OPTICAL COMMUNICATION SYSTEMS

WIRELESS SYSTEMS

IMAGE PROCESSING

MICRO AND NANO-MANUFACTURING TECHNOLOGY

SMART GRID TECHNOLOGIES

SIGNAL PROCESSING AND DIGITAL FILTERING



# BEng ELECTRONIC SCIENCE AND TECHNOLOGY

The BEng Electronic Science and Technology programme offers you a thorough foundation in microelectronic engineering, electronic engineering and photonic engineering.

The programme will enable you to study the complex working processes of electronic components as well as the technology of integrated circuits design and manufacture.

You will learn to operate at the cutting-edge of emerging technologies and be prepared to work in a field with multiple career opportunities due to a worldwide shortage of graduates.



### ATTENDANCE

Full time



### QUALIFICATION

XJTLU

BEng Electronic Science and Technology

University of Liverpool

BEng Electrical and Electronic Engineering

BEng Electronic Science and Technology



### 2+2 STUDY ABROAD

Available



### DURATION

Three or four years

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Electronic Science and Technology programme, you will have:

- extensive experience in modelling and analytical methods;
- the ability to design a system, component or process based on initial requirements and constraints;
- the skills to use IT tools and computer-aided design systems for modelling, analysis, simulation and design;
- the ability to design and fabricate integrated circuit chips or photonic devices.

## WHY STUDY ELECTRONIC SCIENCE AND TECHNOLOGY AT XJTLU?

- Strong focus in microelectronics and photonics;
- Use state-of-the-art equipment and tools for developing integrated circuit (IC) design, IC fabrication and application in electronic systems;
- Have access to 5 equipped clean-rooms to apply knowledge learnt from books and lectures;
- Study an IC design module, based on appropriate software, which is unique among Chinese universities;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates of this programme will be well-prepared for positions in the fields of microelectronic (semiconductor) engineering, electronic engineering and photonic engineering.

The programme will also provide a sound foundation for further studies at masters and PhD levels in microelectronics, electronics and photonics.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

C PROGRAMMING & SOFTWARE ENGINEERING  
ELECTRICAL CIRCUITS (I)  
ELECTRONIC CIRCUITS  
ENGINEERING MATHEMATICS (I)  
DIGITAL ELECTRONICS (I)  
ELECTROMAGNETISM AND ELECTROMECHANICS  
INTEGRATED ELECTRONICS AND DESIGN  
EXPERIMENTAL, COMPUTER SKILLS AND SUSTAINABILITY  
ENGINEERING MATHEMATICS (II)

#### OPTIONAL MODULES:

C++ PROGRAMMING & SOFTWARE ENG. II  
ENGINEERING DRAWING

### YEAR THREE

CMOS DIGITAL INTEGRATED CIRCUITS  
CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEM (I)

DIGITAL ELECTRONICS (II)  
ADVANCED ELECTRICAL CIRCUITS AND ELECTROMAGNETICS  
ELECTRONIC CIRCUITS AND SYSTEMS  
ENGINEERING MATHEMATICS (III)  
ANALOGUE AND DIGITAL COMMUNICATIONS (I)  
CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEM (II)  
ENERGY CONVERSION AND POWER SYSTEMS  
INDUSTRIAL AWARENESS AND GROUP PROJECT  
MICROPROCESSOR SYSTEMS  
RF ENGINEERING AND APPLIED ELECTROMAGNETICS  
INSTRUMENTATION AND CONTROL SYSTEM

### YEAR FOUR

#### COMPULSORY MODULES:

ANALOGUE & DIGITAL COMMUNICATIONS (II)  
ELECTRONICS FOR COMMUNICATIONS  
ELECTRONICS FOR INSTRUMENTATION  
FINAL YEAR PROJECT (PHASE I & II)  
INTEGRATED CIRCUITS – CONCEPTS AND DESIGN  
DIGITAL SYSTEM DESIGN WITH HDL  
EMBEDDED COMPUTER SYSTEMS  
MICRO AND NANO-MANUFACTURING TECHNOLOGY

#### OPTIONAL MODULES:

INTRODUCTION TO OPTOELECTRONICS AND PHOTONICS  
SIGNAL PROCESSING AND DIGITAL FILTERING



# BEng TELECOMMUNICATIONS ENGINEERING

The BEng Telecommunications Engineering programme will offer you a thorough foundation in telecommunications. You will gain knowledge of design, implementation, testing and industrial applications in the modern field of telecommunications, as well as learn to operate at the cutting-edge of emerging technologies.

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Telecommunications Engineering, you will have:

- extensive experience in the application of modelling and analytical methods;
- the ability to use IT tools and computer-aided design systems for modelling, analysis, simulation and design;
- the ability to recognise the limitations of principles, models, analyses and methodologies;
- the skills to design a system, component or process based on initial requirements and constraints.

## WHY STUDY TELECOMMUNICATIONS ENGINEERING AT XJTLU?

- Study the electronics of wireless communications and optical communications technologies for employment in a growing field;
- Enjoy use of fully equipped electromagnetism and telecommunication laboratories, as well as the integrated circuit design and power systems modules;
- Tailor the programme to your own academic and research interests through a wide range of optional modules;
- Study a curriculum that incorporates the latest technological innovations and developments;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates will be well prepared for positions in fields including the design and development of telecommunications technologies and the maintenance and upgrade of telecommunications infrastructure.

The programme will also provide a sound basis for further studies at masters and PhD levels.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

**COMPULSORY MODULES:**  
C PROGRAMMING & SOFTWARE ENGINEERING I  
ELECTRICAL CIRCUITS I  
ELECTRONIC CIRCUITS  
ENGINEERING MATHEMATICS I  
DIGITAL ELECTRONICS I  
ELECTROMAGNETISM AND ELECTROMECHANICS  
INTEGRATED ELECTRONICS AND DESIGN  
EXPERIMENTAL, COMPUTER SKILLS AND SUSTAINABILITY  
ENGINEERING MATHEMATICS II

**OPTIONAL MODULES:**  
C++ PROGRAMMING & SOFTWARE ENGINEERING II  
ENGINEERING DRAWING

### YEAR THREE

CMOS DIGITAL INTEGRATED CIRCUITS  
CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEMS I  
DIGITAL ELECTRONICS II

ADVANCED ELECTRICAL CIRCUITS AND ELECTROMAGNETICS  
ELECTRONIC CIRCUITS AND SYSTEMS  
ENGINEERING MATHEMATICS III  
ANALOGUE & DIGITAL COMMUNICATIONS I  
CONTINUOUS AND DISCRETE TIME SIGNALS AND SYSTEMS II  
ENERGY CONVERSION AND POWER SYSTEMS  
INDUSTRIAL AWARENESS AND GROUP PROJECT  
MICROPROCESSOR SYSTEMS  
RF ENGINEERING AND APPLIED ELECTROMAGNETICS  
INSTRUMENTATION AND CONTROL SYSTEM

### YEAR FOUR

**COMPULSORY MODULES:**  
ANALOGUE & DIGITAL COMMUNICATIONS II  
INFORMATION THEORY AND DATA COMMUNICATIONS  
FINAL YEAR PROJECT (PHASE I & II)  
WIRELESS SYSTEMS

**OPTIONAL MODULES:**  
ANTENNAS  
ELECTRONICS FOR COMMUNICATIONS  
ELECTRONICS FOR INSTRUMENTATION  
DIGITAL DESIGN WITH HDL  
RADIO PROPAGATION AND MICROWAVE CIRCUITS  
EMBEDDED COMPUTER SYSTEMS  
PHOTONICS AND OPTICAL COMMUNICATION SYSTEMS  
IMAGE PROCESSING  
SIGNAL PROCESSING AND DIGITAL FILTERING

- ✓

**ATTENDANCE**  
Full time
- 🎓

**QUALIFICATION**  
XJTLU  
BEng Telecommunications Engineering
- 🌐

**2+2 STUDY ABROAD**  
Available
- 📅

**DURATION**  
Three or four years
- 📍

**University of Liverpool**  
BEng Electronic and Electronic Engineering  
BEng Telecommunications Engineering







# BEng MECHATRONICS AND ROBOTIC SYSTEMS

Mechatronics and robotic systems are new branches in engineering that are applicable to every sector of society. Remotely operated vehicles on Mars, programmable washing machines at home and automated robots in manufacturing assembly lines are just some of the applications of mechatronics and robotic systems. These products are essentially mechanical in nature but could not function without electronics and computer control systems.

The BEng Mechatronics and Robotic Systems is a new cutting-edge programme designed to give you the skills and specialist knowledge to succeed in this fast-growing industry.

You will learn how to apply technologies in mechanical engineering, electronics, electrical engineering, control engineering and scientific computing. You will graduate with the ability to design, integrate, and test complete mechatronic systems and products.

## WHAT YOU WILL LEARN

- By the time you graduate from the BEng in Mechatronics and Robotic Systems, you will have:
- diverse subject-related engineering knowledge with an emphasis on interdisciplinary skills;
  - a fundamental grasp of digital computers, electronics and electrical circuits, and mechanical engineering;
  - an understanding of signal processing, control systems, engineering structures, digital electronics, and micro-processing systems;
  - the ability to work in a team, with an emphasis on leadership and independent problem solving skills;
  - advanced skills in embedded computer systems, industrial automation and robot control, supplemented with a specialisation in an area of your interest (e.g. visual-based control systems) during your final year elective and project

## WHY STUDY MECHATRONICS AND ROBOTIC SYSTEMS AT XJTLU?

- Learn in cutting-edge facilities with mechatronics laboratories equipped with comprehensive development kits that support you to work on robot-based research projects such as autonomous cars, bionic robots, and quad-copters;
- Use and master state-of-the-art industrial software and hardware platforms to put acquired knowledge into practice, and to invent, design, develop, analyse, and operate mechatronic systems;
- Gain industry experience with opportunities to participate in field trips, site visits and internships in robotics and automation companies in the YangTze River Delta region;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme enjoy excellent career prospects due to the trends of ‘Industry 4.0’ and ‘Sustainable Development’. Graduates may find employment in a variety of local, national, and international engineering companies who are looking for professionals with specialist mechatronics and industrial automation systems skills as well as a well-rounded, multidisciplinary engineering education.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

- ENGLISH LANGUAGE AND STUDY SKILLS III FOR ENGINEERING
- C PROGRAMMING & SOFTWARE ENGINEERING (I)
- ELECTRICAL CIRCUITS (I)
- ELECTRONIC CIRCUITS
- ENGINEERING MATHEMATICS (I)
- SOLIDS AND STRUCTURES
- DIGITAL ELECTRONICS
- EXPERIMENTAL, COMPUTER SKILLS AND SUSTAINABILITY
- ENGINEERING DRAWING
- ENGINEERING MATHEMATICS (II)
- INTRODUCTION TO MECHATRONICS

### YEAR THREE

- FLUID MECHANICS AND VECTOR FIELDS FOR ENGINEERING
- ENGINEERING STRUCTURES
- CONTINUOUS AND DISCRETE SIGNALS AND SYSTEMS (I)
- DIGITAL ELECTRONICS (II)
- ELECTRONIC CIRCUITS AND SYSTEMS

- MECHANICAL ENGINEERING DESIGN
- DYNAMIC SYSTEMS
- CONTINUOUS AND DISCRETE SIGNALS AND SYSTEMS (II)
- MICROPROCESSOR SYSTEMS
- INSTRUMENTATION AND CONTROL SYSTEMS

### YEAR FOUR

- COMPULSORY MODULES:**
- FINAL YEAR PROJECT
  - PROFESSIONAL PRACTICE
  - INDUSTRIAL AUTOMATION AND ROBOT CONTROL
  - ROBOTIC SYSTEMS
- OPTIONAL MODULES:**
- ELECTRONICS FOR INSTRUMENTATION
  - DIGITAL CONTROL AND AUTOMATIC CONTROL DRIVES, POWER GENERATION, TRANSMISSION AND RELAYING
  - DIGITAL SYSTEM DESIGN WITH HDL
  - MACHINE LEARNING
  - MULTI-AGENT SYSTEMS
  - DATA COMMUNICATION
  - EMBEDDED COMPUTER SYSTEMS
  - SMART GRID TECHNOLOGIES
  - PATTERN RECOGNITION IN COMPUTER VISION
  - PHOTONICS AND OPTICAL COMMUNICATION SYSTEMS
  - OPTIMISATION
  - SIGNAL PROCESSING AND DIGITAL FILTERING



**ATTENDANCE**  
Full time



**QUALIFICATION**  
XJTLU  
BEng Mechatronics and  
Robotic Systems



**2+2 STUDY ABROAD**  
Available

**University of Liverpool**  
BEng Mechatronics and  
Robotic Systems



**DURATION**  
Three or four years



## DEPARTMENT OF ENGLISH

The Department of English trains English-language professionals for careers in the fields of education, finance and business. Our graduates are highly sought after in domestic and international job markets and are well-prepared for employment in corporate communications, internet ventures, and, of course, education. Graduates are also well-positioned to excel in postgraduate studies in a variety of fields. Our learning environment enables students to adapt to western educational culture and to become lifelong learners. The innovative interdisciplinary design of each of our programmes prepares students for the range of opportunities and challenges they will meet in their future careers.







# BA APPLIED ENGLISH

The BA Applied English is the ideal undergraduate degree programme for those wishing to major in linguistics, literature and translation studies in an international context.

The programme is designed for those interested in studying English as a subject matter in its own right. You will learn about the many ways in which English, and more broadly, languages are used around the world today. In addition to being in a stimulating environment where you can develop your intellectual faculties, the programme also provides ample opportunity for you to apply your knowledge in a real-world setting . This is done, for instance, through the practice of translation and interpreting.

You will acquire a range of skills not only to suitable for language teaching, translation and interpreting, and editing, but transferable in many settings across any sector that requires the ability to identify real-world problems in an innovative manner and effectively communicate solutions.

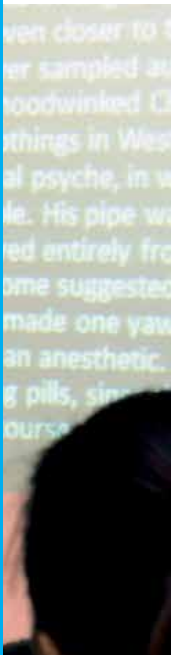


## WHAT YOU WILL LEARN

- By the time you graduate from the BA Applied English programme, you will have:
- the skills to approach the study of English language and literature using a number of different techniques ;
  - the ability to use advanced approaches in the analysis of language;
  - professional skills in the practice of translation and interpreting;
  - an advanced awareness of Anglophone, Chinese, and international perspectives on the use of language;
  - high levels of proficiency in oral and written communication in English.

## WHY STUDY APPLIED ENGLISH AT XJTLU?

- Become a professional communicator in an international setting;
- Learn in a international environment, where every day you can put into practice your studies of language, linguistics and translation;
- Prepare for further study by obtaining a versatile undergraduate qualification;
- Choose to study entirely in Suzhou, China, or transfer to the University of Liverpool in the United Kingdom in the final two years;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities



## CAREERS AND FURTHER STUDY

In addition to gaining employment in language-related fields, graduates from this programme have received offers to pursue further study in leading universities in China, Australia, Japan, the United Kingdom and the United States. Fields of further study include English language teaching, speech pathology, translation and interpreting, applied linguistics, Asian studies, and literature.

## MODULES

**YEAR ONE**  
Qualified students can be accepted into Year Two, which is the start of the main academic programme. Most students will however enter into Year One, which provides a range of foundational modules and language classes.

- YEAR TWO**
- SOUNDS OF ENGLISH
  - INTRODUCTION TO LINGUISTICS
  - INTRODUCTION TO CLOSE READING: APPROACHES TO LITERARY STUDY
  - ENGLISH AS A GLOBAL LANGUAGE
  - INTRODUCTION TO CORPUS LINGUISTICS
  - LITERATURE IN CONTEXT
  - SYNTAX
  - LITERARY THEORY

- YEAR THREE**
- COMPULSORY MODULES:**
- LITERATURE OF THE ENLIGHTENMENT
  - LANGUAGE AND SOCIETY
  - SEMANTICS AND PRAGMATICS
- OPTIONAL MODULES:**
- ADVERTISING AND THE MEDIA
  - TRANSLATION
  - LITERATURE AND GENDER
  - INTERPRETING

- TECHNICAL TRANSLATION
- JANE AUSTEN
- BILINGUALISM
- LANGUAGE AND MIND
- LANGUAGE AND GENDER
- POSTCOLONIAL LITERATURE

- YEAR FOUR**
- COMPULSORY MODULES:**
- FINAL YEAR PROJECT
- OPTIONAL MODULES:**
- ANALYSING TEXT
  - CONFERENCE INTERPRETING
  - ADVANCED LITERATURE - BRITISH ROMANTICISM
  - TECHNOCULTURE
  - CHINESE LINGUISTICS
  - HISTORICAL LINGUISTICS
  - INTERPERSONAL COMMUNICATION IN THE WORKPLACE
  - LANGUAGE AND LITERATURE
  - ADVANCED LITERATURE - APPROACHES TO MODERN POETRY
  - LANGUAGE OF THE LAW
  - INTERCULTURAL COMMUNICATION
  - APPLIED LINGUISTICS
  - THE GOTHIC
  - POSTMODERN LITERATURE

✓

**ATTENDANCE**  
Full time

🎓

**QUALIFICATION**  
XJTLU  
BA English

🌐

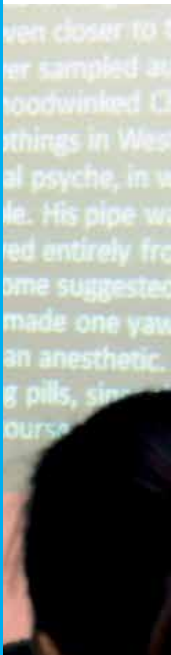
**2+2 STUDY ABROAD**  
Available

🕒

**DURATION**  
Three or four years

🎓

**University of Liverpool**  
BA Applied English





# BA ENGLISH AND COMMUNICATION STUDIES

Communications and the media play an increasingly central role in modern society, economics and politics, making English, the global communications language, more important than ever before.

As a student of the BA English and Communication Studies programme, you will have access to almost all of the modules offered in the Department of English and School of Film and TV Arts.

The unique level of choice and flexibility available in this programme makes it ideal for both international and domestic students. Like our other English programmes, it offers modules on translation and interpreting between English and Chinese, as well as a unique specialised module on literary translation. However, because these modules are not compulsory, both international and domestic students can follow alternative routes.



### ATTENDANCE

Full time



### 2+2 STUDY ABROAD

Available



### DURATION

Three or four years



### QUALIFICATION

XJTLU

BA English and Communication Studies

University of Liverpool

BA English and Communication Studies

## WHAT YOU WILL LEARN

By the time you graduate from the BA English and Communication Studies, you will have:

- the skills to communicate professionally in English, within the context of journalism and the media;
- an understanding of the theories and analytical techniques associated with linguistics, literature, culture and communication;
- the ability to apply your knowledge and skills to solve practical challenges and problems within the context of journalism and the media;
- both strong English language skills and a combination of critical and theoretical knowledge;
- intellectual, interpersonal and technical skills that are highly valued by employers.

## WHY STUDY ENGLISH AND COMMUNICATION STUDIES AT XJTLU?

- Access a full range of modules in our specialist areas of English language and literature, and communication and media;
- Have more options than any other degree programme - during Years Two to Four, you can choose 18 modules from a more than 40 options; in Years Three and Four all subject modules are optional;
- Gain an understanding of the changing use of language and other forms of communication, along with the ways in which they inform and influence contemporary society;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates of this programme will be attractive employees in globalised workplaces and may be employed in journalism, broadcasting or advertising. Graduates will also be well prepared for positions including management trainee, professional translator or interpreter, teacher of English as a foreign language and positions in retailing, computing and librarianship.

Additionally, the programme provides a solid foundation for postgraduate study in English language, English literature and communications.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

INTRODUCTION TO LINGUISTICS

INTRODUCTION TO CLOSE READING: APPROACHES TO LITERARY STUDY

ANALYSING COMMUNICATION

#### CHOOSE ONE FROM THE FOLLOWING:

SOUNDS OF ENGLISH

ENGLISH AS A GLOBAL LANGUAGE

MEDIA MANAGEMENT

JOURNALISM: THEORY AND PRACTICE

#### CHOOSE TWO OPTIONS IN ENGLISH FROM THE FOLLOWING:

LITERATURE IN CONTEXT

LITERARY THEORY

INTRODUCTION TO CORPUS LINGUISTICS

SYNTAX

#### CHOOSE TWO OPTIONS IN COMMUNICATION FROM THE FOLLOWING:

PERSPECTIVES ON VISUAL MEDIA

SCREENWRITING FOR FILM AND TV

MEDIA ETHICS

COMMUNICATION IN CHINA

INVESTIGATIVE JOURNALISM

### YEAR THREE

#### CHOOSE TWO OPTIONS IN ENGLISH FROM THE FOLLOWING:

ADVERTISING AND THE MEDIA

TRANSLATION

LITERATURE IN THE ENLIGHTENMENT

LITERATURE AND GENDER

LANGUAGE AND SOCIETY

SEMANTICS AND PRAGMATICS

#### CHOOSE TWO OPTIONS IN COMMUNICATION FROM THE FOLLOWING:

MEDIA THEORY

RESEARCH METHODS IN MEDIA AND COMMUNICATION

DIGITAL MEDIA AND PRODUCTION

CHINESE FILM

#### CHOOSE TWO OPTIONS IN ENGLISH FROM THE FOLLOWING:

LANGUAGE AND MIND

INTERPRETING

TECHNICAL TRANSLATION

POSTCOLONIAL LITERATURE

JANE AUSTEN

BILINGUALISM

LANGUAGE AND GENDER

#### CHOOSE TWO OPTIONS IN COMMUNICATION FROM THE FOLLOWING:

GLOBAL MEDIA AND ENTERTAINMENT

ADAPTATION ACROSS THE MEDIA

GLOBAL JOURNALISM

CHINA AND THE DIGITAL REVOLUTION

### YEAR FOUR

#### CHOOSE ONE FYP OPTION:

FINAL YEAR PROJECT (ENGLISH)

FINAL YEAR PROJECT (COMMUNICATIONS)

#### CHOOSE THREE OPTIONS FROM THE FOLLOWING:

CONFERENCE INTERPRETING

ANALYSING TEXT

ADVANCED LITERATURE: BRITISH ROMANTICISM

TECHNOCULTURES

CHINESE LINGUISTICS

HISTORICAL LINGUISTICS

EUROPEAN CINEMA

THEORETICAL DEBATES IN FILM STUDIES

DOCUMENTARY

#### CHOOSE THREE OPTIONS FROM THE FOLLOWING:

INTERPERSONAL COMMUNICATION IN THE WORKPLACE

LANGUAGE AND LITERATURE

ADVANCED LITERATURE - APPROACHES TO MODERN POETRY

LANGUAGE OF THE LAW

APPLIED LINGUISTICS

THE GOTHIC

POSTMODERN LITERATURE

INTERCULTURAL COMMUNICATION

PORTRAYAL OF CHINA IN WESTERN MEDIA

ANIMATION



# BA ENGLISH AND FINANCE

The interdisciplinary BA English and Finance programme combines English language and finance 50-50 with the aim of producing graduates who have an excellent command of English and a critical awareness of the use of language in a financial context.

English modules offer a wide choice of topics, such as linguistics, literature, interpreting and translation. In Finance modules, you will study economics and finance and financial mathematics alongside students in XJTLU’s International Business School Suzhou (IBSS).

ATTENDANCE  
Full time

QUALIFICATION  
XJTLU  
BA English and Finance

2+2 STUDY ABROAD  
Not Available

University of Liverpool  
BA English and Finance

DURATION  
Three or four years

## CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared for positions such as administrative, managerial, accounting and consultancy positions within international organisations, as well professional translator or interpreter.

Graduates may also choose to go onto further study in the areas of English language and finance.

## WHAT YOU WILL LEARN

By the time you graduate from the BA English and Finance programme, you will have:

- the ability to communicate professionally in English, using the language confidently to analyse financial issues;
- the skills to apply a range of accounting and quantitative techniques;
- a good working knowledge of financial economics and financial markets.

## WHY STUDY ENGLISH AND FINANCE AT XJTLU?

- Gain insights into the language of specialist domains such as the business and finance world;
- Choose from options in mathematics, finance and economics to develop and extend your knowledge of finance-related statistical methods;
- Use your strengths in the English language and linguistics to gain deeper insights into the use of language across different domains;
- Acquire the intellectual, interpersonal, technical, and strong language skills highly valued by employers;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

INTRODUCTION TO STATISTICS  
INTRODUCTION TO FINANCIAL ACCOUNTING & ACCOUNTABILITY  
INTRODUCTION TO LINGUISTICS  
FOUNDATIONS OF FINANCE

#### OPTIONAL MODULES:

SOUNDS OF ENGLISH  
INTRODUCTION TO CLOSE READING: APPROACHES TO LITERARY STUDY  
ENGLISH AS A GLOBAL LANGUAGE  
INTRODUCTION TO CORPUS LINGUISTICS  
LITERARY THEORY  
LITERATURE IN CONTEXT  
SYNTAX

#### CHOOSE:

ECONOMIC PRINCIPLES FOR BUSINESS & MARKETS  
MATHS FOR ECONOMIC AND BUSINESS

### YEAR THREE

#### COMPULSORY MODULES:

THEORY OF THE FIRM  
FINANCIAL MANAGEMENT

#### OPTIONAL MODULES:

TRANSLATION  
LANGUAGE AND SOCIETY  
ADVERTISING AND THE MEDIA  
LITERATURE AND GENDER  
SEMANTICS AND PRAGMATICS

LITERATURE OF ENLIGHTENMENT  
INTERPRETING  
BILINGUALISM  
LANGUAGE AND MIND  
LANGUAGE AND GENDER  
JANE AUSTEN  
TECHNICAL TRANSLATION  
POSTCOLONIAL LITERATURE

#### CHOOSE ONE FROM THE FOLLOWING:

ECONOMETRICS I  
CORPORATE FINANCE  
SECURITIES MARKETS  
INTERNATIONAL DEVELOPMENT

### YEAR FOUR

#### COMPULSORY MODULES:

BUSINESS FINANCE  
FINANCE AND MARKETS  
INTERNATIONAL ECONOMIC RELATIONS

#### OPTIONAL MODULES:

ANALYSING TEXT  
CHINESE LINGUISTICS  
HISTORICAL LINGUISTICS  
ADVANCED LITERATURE – BRITISH ROMANTICISM  
CONFERENCE INTERPRETING  
TECHNOCULTURE  
INTERPERSONAL COMMUNICATION IN THE WORKPLACE  
APPLIED LINGUISTICS  
LANGUAGE AND LITERATURE  
INTERCULTURAL COMMUNICATION  
POSTMODERN LITERATURE  
LANGUAGE OF THE LAW  
THE GOTHIC  
ADVANCED LITERATURE: APPROACHES TO MODERN POETRY  
FINAL YEAR PROJECT (PHASE I&II) (ENG305)  
FINAL YEAR PROJECT (PHASE I&II) (MAN303)





# BA ENGLISH AND INTERNATIONAL BUSINESS

The interdisciplinary BA English and International Business programme combines the subjects of English language and international business 50-50 with the aim of producing graduates who have an excellent command of English and a critical awareness of the use of language in a business context.

English modules offer a wide choice of topics, such as linguistics, literature, interpreting and translation. In International Business modules, you will study marketing and international management alongside students in XJTLU’s International Business School Suzhou (IBSS).



### ATTENDANCE

Full time



### 2+2 STUDY ABROAD

Available



### DURATION

Three or four years



### QUALIFICATION

XJTLU

BA English and International Business

University of Liverpool

BA English and International Business

## CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared for positions such as administrative and managerial positions in industry, business, the financial sector, local government and civil service, as well professional translator or interpreter.

Graduates may also choose to go onto further study in the areas of English language and international business.

## WHAT YOU WILL LEARN

By the time you graduate from the BA English and International Business programme, you will have:

- the ability to communicate professionally in English, using the language confidently in the context of international business and finance;
- an understanding of the functional aspects of international business, such as international markets and ethical problems facing international organisations;
- the ability to evaluate the application of international business theory within private, public, large and small business sectors.

## WHY STUDY ENGLISH AND INTERNATIONAL BUSINESS AT XJTLU?

- Gain insights into the language of specialist domains such as the business and finance world;
- Choose from options in marketing, management and economics to develop and extend your knowledge of business-related management methods;
- Use your strengths in the English language and linguistics to gain deeper insights into the use of language across different domains;
- Acquire the intellectual, interpersonal, technical, and strong language skills highly valued by employers;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

FUNDAMENTALS OF MARKETING

MANAGING ACROSS BORDERS

INTRODUCTION TO LINGUISTICS

ECONOMIC PRINCIPLES FOR BUSINESS & MARKETS

FOUNDATIONS OF FINANCE

#### OPTIONAL MODULES:

SOUNDS OF ENGLISH

ENGLISH AS A GLOBAL LANGUAGE

INTRODUCTION TO CLOSE READING: APPROACHES TO LITERARY STUDY

ENGLISH LITERATURE IN HISTORY

INTRODUCTION TO CORPUS LINGUISTICS

SYNTAX

LITERARY THEORY

### YEAR THREE

#### COMPULSORY MODULES:

INTERNATIONAL MANAGEMENT

CORPORATE SOCIAL RESPONSIBILITY

INTERNATIONAL DEVELOPMENT

SECURITIES MARKET

#### OPTIONAL MODULES:

ADVERTISING AND THE MEDIA

TRANSLATION

LANGUAGE AND SOCIETY

LITERATURE OF THE ENLIGHTENMENT

LITERATURE AND GENDER

INTERPRETING

BILINGUALISM

SEMANTICS AND PRAGMATICS

JANE AUSTEN

TECHNICAL TRANSLATION

POSTCOLONIAL LITERATURE

LANGUAGE AND GENDER

LANGUAGE AND MIND

### YEAR FOUR

#### COMPULSORY MODULES:

INTERNATIONAL MARKETING

SERVICES MARKETING

STRATEGIC MANAGEMENT AND BUSINESS POLICY

#### OPTIONAL MODULES:

ANALYSING TEXT

CONFERENCE INTERPRETING

ADVANCED LITERATURE: BRITISH ROMANTICISM

TECHNOCULTURE

CHINESE LINGUISTICS

HISTORICAL LINGUISTICS.

INTERPERSONAL COMMUNICATION IN THE WORKPLACE

ADVANCED LITERATURE –APPROACHES TO MODERN POETRY

LANGUAGE OF THE LAW

INTERCULTURAL COMMUNICATION

POSTMODERN LITERATURE

LANGUAGE AND LITERATURE

APPLIED LINGUISTICS

THE GOTHIC

#### COMPULSORY MODULES (CHOOSE 1 OUT OF 2):

FINAL YEAR PROJECT (PHASE I&II) (ENG305)

FINAL YEAR PROJECT (PHASE I&II) (MAN303)



# SCHOOL OF FILM AND TELEVISION ARTS

The School of Film and Television Arts mixes digital media arts and film and television production and technology with performance and acting. Research and teaching within the school takes place in areas such as communications studies, media technology, media theory, film post production and CG effects. State-of-the-art facilities support both students in the practical application of the skills they learn and academic staff in their research work.





# BA DIGITAL MEDIA ARTS

China is one of the fastest growing places in the world for digital media consumption, and you have a chance to be part of it.

Have you ever wanted to create content for social media platforms? Have you ever had the burning desire to communicate your creative thoughts with a worldwide audience? If you have ever wanted to show off your skills in animation, wow the world through visual effects, or tell creative stories in innovative ways, then this is the programme for you.

BA Digital Media Arts is an intense practice-based, technology-driven programme where you will create digital assets for 21st century media consumption. Your practice will include post production, motion design, compositing, coding and visual effects (VFX).

You will be required to be creative, but with an enquiring mind which understands audiences and future media trends. You will learn to negotiate a fast-paced 21st century technological world.



## WHAT YOU WILL LEARN

By the time you graduate from the BA Digital Media Arts programme, you will have:

- a full awareness of your creative potential as a digital media artist, with the ability to take your knowledge, specialist skills and understanding into the world of work using creative, intellectual, analytical and research skills;
- an informed, creative and critical approach both to understanding digital media, culture and communications in contemporary society, and also to your own forms of media, communicative and expressive practice;
- an understanding of production processes and professional practices within digital media, cultural and creative industries;
- competency in the management and operation of production technologies, procedures and processes;
- the ability to engage with and to advance creative processes in one or more forms of digital media or cultural production.

## WHY STUDY DIGITAL MEDIA ARTS AT XJTLU?

- Experience a cutting-edge, technology-driven, project-based curriculum in a collaborative, teamwork-based ethos;
- Learn in new state-of-the-art facilities, including a Motion Capture rig, green screen and VFX facilities and take advantage of a fully functional digital media lab on campus;
- Learn from international staff with industry expertise and industry guest speakers;
- Get opportunities for work experience and live projects;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared for positions such as Motion designer, content creative for Web, post-production editor, 2D/3D animator, concept designer, VFX artist, and digital media entrepreneur.

✓	<b>ATTENDANCE</b> Full time	🎓	<b>QUALIFICATION</b> XJTLU BA Digital Media Arts
🌐	<b>2+2 STUDY ABROAD</b> Not Available		<b>University of Liverpool</b> BA Digital Media Arts
🕒	<b>DURATION</b> Three or four years		

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

ANALYSING COMMUNICATION
MEDIA PRODUCTION
VISUAL THINKING
INTRODUCTION TO JAVA PROGRAMMING
INTRODUCTION TO DIGITAL MEDIA ARTS
INTRODUCTION TO DATABASES
INTRODUCTION TO TV STUDIO PRODUCTION

#### OPTIONAL MODULES:

COMMUNICATION IN CHINA
PERSPECTIVES ON VISUAL MEDIA
SCREEN WRITING FOR FILM AND TV

### YEAR THREE

#### COMPULSORY MODULES:

COMPUTER GRAPHICS
TV STUDIO PRODUCTION II

EXPERIMENTAL FILM PRACTICES
MEDIA THEORY
DESIGN FOR THE INTERNET
MINOR DIGITAL ARTS PROJECT
VISUAL EFFECTS

#### OPTIONAL MODULES:

SOFTWARE ENGINEERING I
STUDIO: CONCEPT GENERATION AND INTERACTION

### YEAR FOUR

#### COMPULSORY MODULES:

FINAL YEAR PROJECT
DIGITAL MEDIA ARTS PROJECT
POST PRODUCTION

#### OPTIONAL MODULES:

EUROPEAN CINEMA
THEORETICAL DEBATES IN FILM STUDIES
PRINCIPLES OF COMPUTER GAME DESIGN
SONIC ART AND SOUND DESIGN FOR DIGITAL MEDIA
ANIMATION





# BA FILM AND TELEVISION PRODUCTION

Film and television production are significant developing industries in China, with an increasing emphasis on international collaborations. You have a chance to be a part of this development.

Have you ever wanted to create drama and documentaries for a vast, worldwide audience? Have you ever wanted to be a creative visual storyteller? If you want to use your storytelling ability to keep the audience in keen anticipation of the next episode, then this is the programme for you.

BA Film and Television Production is an intensive, practice-based, creative programme where you will produce innovative media content. Your practice will include documentaries and fiction, the craft of storytelling, the art of cinematography, sound design and editing.

You will also learn to understand audiences and future media trends. Upon graduation, you will be well prepared to work in local, national and international media industries.



## WHAT YOU WILL LEARN

By the time you graduate from the BA Film and Television Production, you will have:

- a full awareness of your creative potential as a content creator, with the ability to take your knowledge, specialist skills and understanding into the world of media industries;
- knowledge of production techniques, research and routines/processes within the media industries;
- advanced, specialist skills in professional practices, contexts and research processes within the broadcast television and digital video production industries;
- a high level of communication skills in the presentation of creative, critical, professional work;
- the ability to produce work that is informed by and contextualised within relevant theoretical issues and debates.

## WHY STUDY FILM AND TELEVISION PRODUCTION AT XJTLU?

- Enjoy new, state-of-the-art facilities that include filming equipment, a fully functional digital media lab, cutting-edge studios with multicamera setups and a cinema for student project screenings;
- Learn to use project-management and other international industry software;
- Learn from international, award-winning staff with industry expertise, and industry guest speakers;
- Experience a collaborative, project-based program, with the possibility of working on live projects and opportunities for work experience;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.



## CAREERS AND FURTHER STUDY

Graduates will be well prepared for positions in a modern media landscape, including those of producer, director, writer, content creative for web and social media platforms, cinematographer, sound designer, post-production editor, advertising creative and digital media entrepreneur. Typically, graduates will either work in a large media company or start up a company of their own.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

- ANALYSING COMMUNICATION
- MEDIA PRODUCTION
- INTRODUCTION TO FILM AND TELEVISION
- SCREEN WRITING FOR FILM AND TV
- TV STUDIO PRODUCTION 1
- FICTION THEORY AND PRACTICE

#### OPTIONAL MODULES:

- JOURNALISM THEORY AND PRACTICE
- MEDIA MANAGEMENT
- COMMUNICATION IN CHINA
- INVESTIGATIVE JOURNALISM

### YEAR THREE

#### COMPULSORY MODULES:

- MEDIA THEORY

- EXPERIMENTAL FILM PRACTICES
- DOCUMENTARY (THEORY)
- TV STUDIO PRODUCTION 2
- DOCUMENTARY PRODUCTION
- DRAMA PRODUCTION
- HISTORY OF BROADCASTING

#### OPTIONAL MODULES:

- CHINESE CINEMA
- TRANSLATION
- LITERATURE OF THE ENLIGHTENMENT

### YEAR FOUR

#### COMPULSORY MODULES:

- FINAL YEAR PROJECT
- MAJOR PRODUCTION PROJECT
- POST-PRODUCTION

#### OPTIONAL MODULES:

- EUROPEAN CINEMA
- THEORETICAL DEBATES IN FILM STUDIES
- CHINESE THEATRE AND PERFORMANCE
- ANIMATION
- SONIC ART AND SOUND DESIGN FOR DIGITAL MEDIA
- PORTRAYAL OF CHINA IN WESTERN MEDIA

✓ ATTENDANCE  
Full time

🌐 2+2 STUDY ABROAD  
Not Available

🕒 DURATION  
Three or four years

🎓 QUALIFICATION  
XJTLU  
BA Film and Television Production

University of Liverpool  
BA Film and Television Production





# BA FILMMAKING

Watching films has become China’s national pastime. There is a thirst for stories that hold audiences spellbound; and you can now learn how to tell them.

Have you ever sat in a cinema and thought, ‘I want to tell stories like that!’? Have you ever wanted to work on real film productions with real movie stars? If you have the passion to communicate your thoughts and your stories on the big screen, this programme is for you.

The BA Filmmaking is a practice-based programme that fosters creativity, entrepreneurship and innovation. You will learn to make films both for the small screen and for cinema consumption.

Your practice will include notions of the creative producer, directing for both documentaries and drama, storytelling, cinematography, sound design, and editing, as well as marketing films worldwide.



## WHAT YOU WILL LEARN

By the time you graduate from BA Filmmaking, you will have:

- an awareness of your potential as a content creator, with the ability to take your knowledge, specialist skills and understanding into the world of work;
- advanced and specialist skills in filmmaking, including specific knowledge of production techniques, research and creative processes within your area of specialisation;
- the ability to use theoretical understanding to inform practice, and practice to inform theory;
- high-level skills in critical thinking and communication, with the capacity for both self-reflection and working collaboratively;
- an entrepreneurial mindset, with the ability to think like an entrepreneur in marketing yourself and your projects.

## WHY STUDY FILMMAKING AT XJTLU?

- Learn in an industry-standard, purpose-built film school building operational from 2020, with world-class facilities including high-end cameras, a fully functional digital media lab, a television studio, motion capture facilities, a sound stage and even a cinema;
- Study project-management and other international film and television industry-standard software;
- Learn from award-winning international staff and industry professionals;
- Gain practical experience through industry work experience opportunities, and the chance to create your own films and work on live projects;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education, and a globally recognised 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 for positions such as producer, director, screen writer, content producer, advertising creative, cinematographer, sound designer, post-production editor, and digital media entrepreneur. Graduates may pursue employment in a large media company, or be entrepreneurial and start up a company of their own.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

- DOCUMENTARY THEORY AND PRACTICE
- INTRODUCTION TO SOUND
- INTRODUCTION TO CAMERA AND LIGHTING
- INTRODUCTION TO FILM AND TV
- INTRODUCTION TO POST-PRODUCTION
- INTRODUCTION TO STORYTELLING
- INTRODUCTION TO PRODUCTION
- INTRODUCTION TO CHINESE LITERATURE
- SCREEN WRITING FOR FILM AND TV
- FICTION THEORY AND PRACTICE
- INTRODUCTION TO DIRECTING
- ENGLISH LANGUAGE AND STUDY SKILLS III FOR LANGUAGE AND COMMUNICATIONS

### YEAR THREE

- COMPULSORY MODULES:**
- CHINESE CINEMA
  - DOCUMENTARY CRAFT

- ADAPTATION ACROSS THE MEDIA
- MINOR FILM PROJECT
- MODERN AND CONTEMPORARY CHINESE LITERATURE
- FILM AND TV CULTURES

### OPTIONAL MODULES:

- DIRECTING: CRAFT AND PRACTICE
- SCREENWRITING CRAFT AND PRACTICE
- PRODUCING CRAFT AND PRACTICE
- THE ART OF CINEMATOGRAPHY
- THE ART OF SOUND
- THE ART OF POST-PRODUCTION
- EXPERIMENTAL FILM PRACTICES
- THE MUSIC PROMO
- CHINA AND THE DIGITAL REVOLUTION
- GLOBAL MEDIA AND ENTERTAINMENT

### YEAR FOUR

- COLLABORATIVE PROJECT
- MARKETING AND DISTRIBUTION OF CONTENT IN A GLOBAL CONTEXT
- CREATIVE PROJECT DEVELOPMENT
- MEDIATED PROJECT
- FINAL YEAR PROJECT: MOVING IMAGE

✓

**ATTENDANCE**  
Full time

🌐

**2+2 STUDY ABROAD**  
Not Available

🕒

**DURATION**  
Three or four years

🎓

**QUALIFICATION**  
XJTLU  
BA Filmmaking  
University of Liverpool  
BA Filmmaking



## DEPARTMENT OF MATHEMATICAL SCIENCES

The Department of Mathematical Sciences has a strong reputation for student achievement and success. Our academic staff are internationally recognised for their high-quality research in a number of areas of modern mathematics. The mathematical and computational sciences are among the major research strengths of XJTLU, and our department is strongly committed to excellence in research and teaching.

The study of mathematics goes well beyond the improvement of a student's numeracy skills; it emphasises the development of strong analytical decision-making, modelling and forward-thinking skills as well as the importance of logical reasoning. Such skills are essential in many domains and are highly regarded by employers. For this reason, a degree in mathematics is held in high esteem in many other professional fields providing opportunities to pursue a multitude of careers.



# BSc ACTUARIAL SCIENCE

The BSc Actuarial Science programme is designed to produce graduates who are capable of solving real-world problems involving risk and uncertainty using mathematical tools. You will learn how to predict future uncertainty, analyse and evaluate potential risks, and make calculated forecasts for the future.

During the programme, you will study a range of modules in economics, finance, business and mathematics to prepare you for a career working as actuary across a number of industries. Industries where actuaries are employed include the insurance, banking and government sectors, where they work to calculate costs, determine premiums, develop derivative products, manage risk, forecast the future and ensure compliance with regulatory laws.

The actuarial profession involves the application of mathematics through probability and statistics tools to analyse risk for future uncertainty.

## WHAT YOU WILL LEARN

By the time you graduate from the BSc Actuarial Science, you will have:

- a solid understanding of the key areas of actuarial sciences;
- the professional skills required to work as an actuary, pending certification completion;
- a strong foundation in mathematics, probability and statistics;
- the ability to analyse risk in a variety of real-world situations.

## WHY STUDY ACTUARIAL SCIENCE AT XJTLU?

- Gain the skills, knowledge and training needed to prepare for the professional actuarial exams, which are required for actuaries to gain international certification and licensing;
- Benefit from XJTLU’s strategic location in Suzhou, close to China’s financial centre Shanghai, with opportunities to undertake internships and work placements at Fortune 500 companies;
- Study an actuarial programme accredited by the Institute and Faculty of Actuaries, the professional body for actuaries in the United Kingdom;
- Undertake modules in XJTLU’s Department of Mathematical Sciences - the research-led teaching environment in department will enrich the learning experience of students;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme go on to become actuaries in a number of sectors including insurance, banking and the government.

In recent years, there has been an increasing trend to recognise that actuarial skills can be applied to a range of roles outside traditional fields, such as agriculture and weather forecasting. Graduates will be well-prepared for careers in companies and organisations that require calculated forecasts and predictions for the future based on mathematics.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

INTRODUCTION TO FINANCIAL ACCOUNTING  
PRINCIPLES OF MICROECONOMICS  
INTRODUCTION TO PROBABILITY AND STATISTICS

#### OPTIONAL MODULES:

ADVANCED LINEAR ALGEBRA  
ANALYSIS I  
THEORY OF INTEREST  
FOUNDATIONS OF FINANCIAL COMPUTING  
PRINCIPLES OF MACROECONOMICS  
INTRODUCTION TO FINANCE

### YEAR THREE

#### COMPULSORY MODULES:

LIFE INSURANCE MATHEMATICS I  
SAMPLING AND HYPOTHESIS TESTING  
STATISTICAL DISTRIBUTION THEORY

INTRODUCTION TO FINANCIAL MATHEMATICS  
LIFE INSURANCE MATHEMATICS II  
MATHEMATICAL RISK THEORY

#### OPTIONAL MODULES:

ECONOMETRICS I  
FINANCIAL REPORTING I  
SECURITY MARKETS  
MACROECONOMICS II

### YEAR THREE

#### COMPULSORY MODULES:

STOCHASTIC MODELLING IN INSURANCE AND FINANCE  
LOSS DISTRIBUTION  
LINEAR STATISTICAL MODELS  
FINAL YEAR PROJECT  
CREDIBILITY THEORY  
APPLIED PROBABILITY

#### OPTIONAL MODULES:

ECONOMETRICS OF TIME SERIES  
INTERNATIONAL TRADE



#### ATTENDANCE

Full time



#### QUALIFICATION XJTLU

BEcon Actuarial Science



#### 2+2 STUDY ABROAD

Available

#### University of Liverpool

BSc Actuarial Science  
BSc Actuarial Mathematics  
BSc Mathematics with Finance



#### DURATION

Three or four years





# BSc APPLIED MATHEMATICS

Mathematics underpins much of modern world and is fundamental to science, technology, business and finance. In the BSc Applied Mathematics programme you will study essential mathematical topics as well as a range of different applications. The programme emphasises versatile mathematical modelling techniques and offers a wide selection of optional modules, allowing you to follow your individual interests and career plans.

Through studying mathematics you will acquire highly flexible skills that will last a lifetime, including strong analytical abilities, problem-solving skills and an appreciation of the importance of logical reasoning. You will also develop computational proficiency and learn how mathematical modelling can be used to analyse real-world problems. These skills are vital to many industries and are highly sought-after by employers.

✓

**ATTENDANCE**  
Full time

🌐

**2+2 STUDY ABROAD**  
Available

🕒

**DURATION**  
Three or four years

🎓

**QUALIFICATION**  
XJTLU  
BSc Applied Mathematics  
  
University of Liverpool  
BSc Applied Mathematics  
BSc Mathematics

## WHAT YOU WILL LEARN

By the time you graduate from BSc Applied Mathematics, you will have:

- a solid understanding of the core areas of mathematics including analysis, linear algebra, differential equations and statistics;
- the ability to reason clearly and critically, and to construct mathematical arguments;
- the ability to analyse a mathematical problem and select appropriate tools to solve it;
- the ability to construct and assess mathematical models for real-world problems;
- research experience gained through the completion of a final year research project;
- the ability to communicate mathematical information and ideas in English to both specialist and non-specialist audiences..

## WHY STUDY APPLIED MATHEMATICS AT XJTLU?

- Join a vibrant learning environment of around 700 undergraduate students;
- Learn from expert mathematicians, trained in globally respected universities and engaged in research on a diverse range of topics;
- Gain experience in mathematical modelling and see how mathematics can be used to make an impact in the world;
- Enjoy the flexibility to choose modules to suit your individual interests from different application areas of mathematics, including finance, statistics and physics;
- Get the chance to undertake the Visiting Study Abroad Programme to study in the USA during Year Three at the prestigious Michigan State University;
- Benefit from XJTLU’s location in the Suzhou Industrial Park, where there are opportunities to undertake internships at a variety of multinational companies and financial and technological institutions;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

A BSc Applied Mathematics degree provides access to a wide range of rewarding career paths. Graduates are highly valued in the job market and are employed as analysts, modellers, data scientists, statisticians and managers in industries such as finance, information technology, biotechnology, consultancy, and in government.

Many of our graduates choose to continue their studies at postgraduate level in the areas of applied mathematics, pure mathematics, financial engineering, mathematical modelling, data science, machine learning, actuarial science and statistics. An increasing number of our graduates go on to further studies at renowned universities overseas such as Harvard University and the University of Pennsylvania in the USA and the University of Cambridge and Imperial College London in the UK.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

- INTRODUCTION TO PROGRAMMING IN JAVA
- ADVANCED LINEAR ALGEBRA
- INTRODUCTION TO PROBABILITY AND STATISTICS
- ANALYSIS 1
- INTRODUCTION TO THE METHODS OF APPLIED MATHEMATICS
- DYNAMIC MODELLING
- ANALYSIS 2
- INTRODUCTION TO ABSTRACT ALGEBRA

### YEAR THREE

- COMPULSORY MODULES:**
- FLUID MECHANICS AND VECTOR FIELD THEORY
  - ORDINARY DIFFERENTIAL EQUATIONS AND CONTROL
  - COMPLEX FUNCTIONS
  - NUMERICAL ANALYSIS
  - PARTIAL DIFFERENTIAL EQUATIONS

### OPTIONAL MODULES:

- INTRODUCTION TO FINANCIAL MATHEMATICS
- STATISTICAL DISTRIBUTION THEORY
- CLASSICAL MECHANICS
- METRIC SPACES
- INTRODUCTION TO OPERATIONAL RESEARCH

### YEAR FOUR

### COMPULSORY MODULES:

- FINAL YEAR PROJECT

### OPTIONAL MODULES:

- GEOMETRY OF CURVES AND SURFACES
- RISK MANAGEMENT
- POPULATION DYNAMICS
- QUANTUM MECHANICS
- APPLIED PROBABILITY
- MATHEMATICAL MODELS OF SOLIDS AND FLUIDS
- RELATIVITY
- FUNCTIONAL ANALYSIS
- OPTIMISATION THEORY



# BSc FINANCIAL MATHEMATICS

The BSc Financial Mathematics programme is designed to equip you with the specialist mathematical knowledge and quantitative skills that are required by many financial organisations. It focuses on the application of theories to financial practice.

## CAREERS AND FURTHER STUDY

BSc Financial Mathematics graduates’ quantitative skills are in high demand; you will be well prepared for positions in finance, insurance and banking.

The programme also provides a strong basis for postgraduate study in the fields of mathematics and finance.

## WHAT YOU WILL LEARN

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

- an understanding of key areas of technical mathematics and statistics;
- a broader knowledge of accounting techniques, finance and economics;
- the ability to analyse real-world financial problems using quantitative methods.

## WHY STUDY FINANCIAL MATHEMATICS AT XJTLU?

- Learn from staff in various departments including Mathematics, International Business School Suzhou, and Computer Science and Software Engineering;
- Receive training and preparation for exams required for international certification and licensing;
- Take advantage of proximity to Shanghai, China’s financial centre, where potential internships and work placements at Fortune 500 companies are located;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

✓ **ATTENDANCE**  
Full time

🌐 **2+2 STUDY ABROAD**  
Available

🕒 **DURATION**  
Three or four years

🎓 **QUALIFICATION**  
**XJTLU**  
BEcon Financial Mathematics

**University of Liverpool**  
BA Business Economics  
BSc Actuarial Mathematics  
BSc Economics  
BSc Financial Mathematics

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

You will be introduced to business, financial, mathematical and economic principles through the study of:

- INTRODUCTION TO PROBABILITY AND STATISTICS
- INTRODUCTION TO FINANCIAL ACCOUNTING
- PRINCIPLES OF MICROECONOMICS
- REAL ANALYSIS FOR FINANCIAL MATHEMATICS
- INTRODUCTION TO FINANCE
- PRINCIPLES OF MACROECONOMICS
- FOUNDATIONS OF FINANCIAL COMPUTING
- INTRODUCTION TO THE METHODS OF APPLIED MATHEMATICS

### YEAR THREE

You will develop your knowledge of statistical theory and financial analysis and learn about:

- COMPULSORY MODULES:**
- INTRODUCTION TO FINANCIAL MATHEMATICS
  - ECONOMETRICS I
  - SAMPLING AND HYPOTHESIS TESTING

- STATISTICAL DISTRIBUTION THEORY
- FINANCIAL MANAGEMENT
- JAVA PROGRAMMING FOR FINANCIAL MATHEMATICS
- INTRODUCTION TO OPERATIONAL RESEARCH

- OPTIONAL MODULES:**
- SECURITIES MARKETS
  - FINANCIAL MODELLING IN EXCEL VBA
  - NUMERICAL ANALYSIS

### YEAR FOUR

- COMPULSORY MODULES:**
- RISK MANAGEMENT
  - LINEAR STATISTICAL MODELS
- OPTIONAL MODULES:**
- CORPORATE FINANCE THEORY AND PRACTICE
  - FINANCIAL ENGINEERING
  - ECONOMETRICS OF TIME SERIES
  - APPLIED PROBABILITY
  - FINANCE AND MARKETS
  - APPLIED MULTIVARIATE STATISTICS
  - FINAL YEAR PROJECT PHASE I & II (MS)
  - FINAL YEAR PROJECT PHASE I & II (IBSS)



## DEPARTMENT OF MEDIA AND COMMUNICATION

As new channels of communication spread globally in increasingly complex ways, media and communication studies is becoming one of the most dynamic academic fields.

Department of Media and Communication at XJTLU engages with this field by providing excellence in teaching, research, creative work and service to community. We strive to create an inclusive and supportive environment for our students, in which they can grow into creative, innovative and socially responsible global citizens. Our research-informed teaching focuses on our students' needs and their professional development, making them competitive in the international job market.

We promote career development and personal wellbeing of our staff. Our Department is a safe and caring workplace, free from harassment and discrimination.

Our vision is to become a leading knowledge hub for media and communication studies in the region, recognised internationally for bringing together Chinese and Western educational traditions.







# BA COMMUNICATION STUDIES

The BA Communications is a comprehensive media and communications programme that enables you to engage critically with the world of media.

Media is everywhere. To understand our world, we must understand media and its role in communication. You will have the chance to engage critically with these crucial issues and communicate with the world, making it a better place.

By the time you graduate, you will have completed your own substantial piece of independent research and a final-year project based on your interests.

Have you ever read something on the internet and wondered, ‘why do they say that?’ Have you ever watched a film and felt like commenting on it? If you want to change the way people think by engaging critically with them on a local and global scale, this programme is for you.



### ATTENDANCE

Full time



### QUALIFICATION

**XJTLU**  
BA Communication Studies



### 2+2 STUDY ABROAD

Available

**University of Liverpool**  
BA Communication Studies



### DURATION

Three or four years

## WHAT YOU WILL LEARN

By the time you graduate from the BA Communication Studies programme, you will have:

- an awareness of your creative and critical potential, with the ability to take your knowledge, specialist skills and understanding into the world of work;
- an understanding of the principal concepts of communication theory and digital media communication, and how these can be used to understand the world ;
- practical journalistic skills and knowledge of the ethical parameters of traditional and new media forms of communication;
- the ability to operate critically and creatively in an international environment, through an understanding of the differences and similarities in the attitudes and values that permeate media in China and the rest of the world;
- the skills to employ a range of persuasive devices to argue a point of view.

## WHY STUDY COMMUNICATION STUDIES AT XJTLU?

- Study a range of communication products, including newspapers, magazines, television, radio, cinema and internet technologies to learn how they are structured and managed, and the thinking behind the communication;
- Enjoy a creative learning environment with opportunities to contribute to the student magazine, join the student film club and attend academic research and industry guest lectures;
- Gain practical experience through internship opportunities and the chance to create your own media content;
- Learn from international staff with prominent scholarly publication records and extensive industry experience ;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for roles such as copywriter, journalist, content creative, advertising creative, media and communication executive, and public relations professional in media and communications departments in almost any company, or in media outlets themselves. With the aim of producing elite thinkers and opinion makers for the 21st century, this programme also provides a solid foundation to pursue further study.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

**COMPULSORY MODULES:**  
ANALYSING COMMUNICATION  
MEDIA MANAGEMENT  
JOURNALISM: THEORY AND PRACTICE  
MEDIA ETHICS

**OPTIONAL MODULES:**  
INTRODUCTION TO NEW MEDIA THEORIES  
INTRODUCTION TO LINGUISTICS  
INTRODUCTION TO CLOSE READING: APPROACHES TO LITERARY STUDY  
COMMUNICATION IN CHINA  
SCREEN WRITING FOR FILM AND TV

### YEAR THREE

**COMPULSORY MODULES:**  
MEDIA THEORY  
RESEARCH METHODS IN MEDIA AND COMMUNICATION  
DIGITAL MEDIA AND VIDEO PRODUCTION

GLOBAL MEDIA AND ENTERTAINMENT  
GLOBAL JOURNALISM  
CHINA AND THE DIGITAL REVOLUTION

**OPTIONAL MODULES:**  
CHINESE CINEMA  
TRANSLATION  
LITERATURE OF THE ENLIGHTENMENT  
ADAPTATION ACROSS THE MEDIA  
POSTCOLONIAL LITERATURE  
INTERPRETING  
JANE AUSTEN

**YEAR FOUR**  
**COMPULSORY MODULES:**  
FINAL YEAR PROJECT  
THEORETICAL DEBATES IN FILM STUDIES  
DOCUMENTARY  
PORTRAYAL OF CHINA IN WESTERN MEDIA  
INTERCULTURAL COMMUNICATION

**OPTIONAL MODULES:**  
EUROPEAN CINEMA  
ADVANCED LITERATURE - BRITISH ROMANTICISM  
TECHNOCULTURE  
ANIMATION  
ADVANCED LITERATURE – APPROACHES TO MODERN POETRY  
THE GOTHIC  
POSTMODERN LITERATURE



## DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES

The Department of Health and Environmental Sciences combines distinctive disciplinary approaches to understand and solve some of the most critical challenges faced by society today.

In our programmes, we provide our students with the theoretical and practical foundations needed for a successful career working to improve the health and well-being of populations and the environment. Our students gain a strong grounding in natural and social sciences, as well as medical humanities, in order to develop an holistic view of the complex processes contributing to the health of populations, and those behind globalised environmental issues.

Our research is brought directly into the classroom, providing a learning and teaching experience that combines theory with the most current knowledge in public health and environmental science.



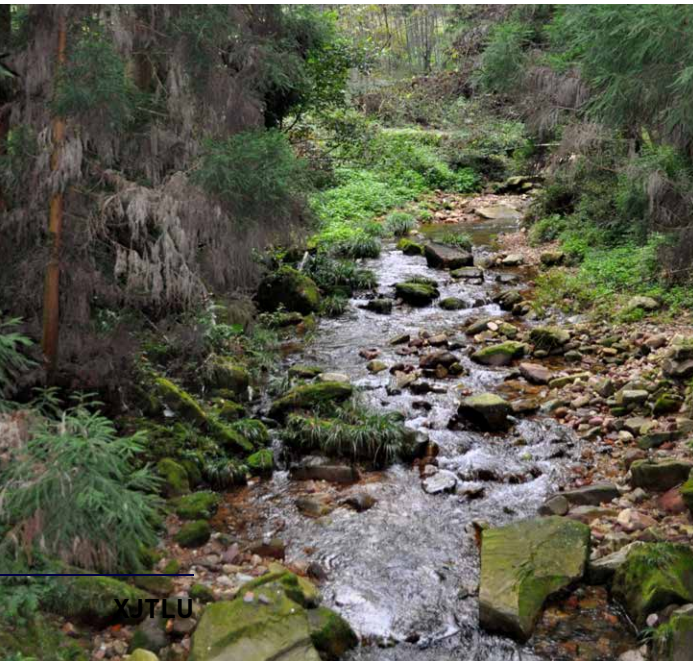




# BSc ENVIRONMENTAL SCIENCE

The BSc in Environmental Science programme gives you an understanding of the natural world and environmental problems caused by development. The programme combines biology, chemistry, mathematical and statistical methods and earth sciences into one subject. Specialized teams of experts work in biogeochemistry and environmental chemistry; soil, plant and invertebrate ecology; and physical geography and geomorphology.

You will learn to apply problem-solving skills to some of the greatest challenges facing humanity today. Furthermore, you will gain field skills through participating in international field trips in coastal and mountain environments, learning about surveying and interviewing key community stakeholders.



## WHAT YOU WILL LEARN

By the time you graduate from the BSc in Environmental Science, you will have:

- problem-solving competencies across the major programme focus areas of ecological, geophysical and chemical systems;
- the ability to demonstrate a high degree of scientific literacy, including an understanding of how scientific knowledge is constructed in the programme focus areas;
- a firm grasp of fundamental and applied scientific perspective and a proficiency in laboratory- and field-based analysis;
- the ability to communicate to scientists and the public about regional and global issues and their relationship to society from a scientific perspective, promoting multicultural understanding of environmental issues and their importance.

## WHY STUDY ENVIRONMENTAL SCIENCE AT XJTLU?

- Use a hands-on approach to learn the science of environmental processes at a range of scales, from local and regional to national and global;
- Gain knowledge from research-led teaching with emphasis on research in areas where humanity faces severe challenges, such as biodiversity loss, climate change and disruption of the earth's chemical cycles;
- Uncover the complexities in environmental decision-making and discover ways to engage in environmental management as you gain insights from industry leaders and non-governmental organizations;
- Take advantage of new purpose-built laboratories (17 million RMB) designed to support lab practicals and undergraduate research and learn sophisticated laboratory techniques and data analysis, such as use of Geographical Information Systems;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared for positions such as environmental consultant, governmental policy maker, environmental impact assessment specialist, laboratory scientist, geographic information systems analyst, ecosystem restoration engineer, environmental education officer, green technology specialist, nature conservation officer, waste management officer and waste quality scientist.

✓	ATTENDANCE	🕒	DURATION
	Full time		Three or four years
🌐	2+2 STUDY ABROAD	🎓	QUALIFICATION
	Available		XJTLU BSc Environmental Science
			University of Liverpool BSc Environmental Science

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

- BIODIVERSITY OF ANIMALS, PLANTS AND MICROBES
- RESEARCH AND GIS SKILLS
- INTRODUCTION TO PLANET EARTH
- ENVIRONMENTAL CHEMISTRY
- ECOLOGY AND CONSERVATION
- AQUATIC FIELD SKILLS
- DYNAMIC LANDSCAPES
- ENVIRONMENTAL POLLUTION

Fieldwork is a core part of the programme in all years.

### YEAR THREE

- ENVIRONMENTAL SUSTAINABILITY I
- STATISTICS FOR ENVIRONMENTAL SCIENTISTS
- ENVIRONMENTAL CHANGE: PAST, PRESENT & FUTURE
- SOILS AND THE ENVIRONMENT
- RESEARCH DESIGN
- SPATIAL MODELLING WITH GIS AND REMOTE SENSING
- ENVIRONMENTAL SCIENCE FIELD SKILLS
- AQUATIC AND URBAN ECOLOGY

### YEAR FOUR

- FINAL YEAR PROJECT
- ENVIRONMENTAL REMEDIATION AND REHABILITATION FIELD CLASS
- FLUVIAL SYSTEMS: FROM HEADWATERS TO THE COAST
- ENVIRONMENTAL MANAGEMENT
- ECOLOGY IN A CHANGING WORLD
- AGRICULTURE, FOOD AND ENVIRONMENT
- ENVIRONMENTAL IMPACT ASSESSMENT



## DEPARTMENT OF URBAN PLANNING AND DESIGN

The Department of Urban Planning and Design is a dynamic and international department that combines the best of urban planning and design theory, with the specifics of practice in the rapidly urbanising Chinese environment. Owing to XJTLU's unique location and education system, this department provides students one of the most fascinating urban planning environments in the world.

Students studying urban planning and design develop understanding of the processes of spatial change in the built and natural environments and engage the arguments for intervening in these processes. Students develop the knowledge and skills to analyse, critique and ultimately contribute to the sustainability of urban and rural development both in China and around the world.







# BEng URBAN PLANNING AND DESIGN

In the BEng Urban Planning and Design programme, you will study the planning and design of urban and rural landscapes in both local and international contexts. You will obtain knowledge and skills to analyse, critique and contribute to the shaping of the sustainable development agenda in China and around the world.

You will learn how to formulate strategic plans, design liveable cities and create public places. The programme will equip you to consider the social, economic and environmental needs of society and their interaction with the environments we inhabit and build. You will learn how to help companies and governments make difficult land use and development decisions while accounting for concerns like achieving climate resilience and enabling community engagement.

The programme is international in focus, preparing students who will work in China to provide the critical planning skills needed for China’s rapid rate of urbanisation while equipping those who will work in other countries for their career success.

## WHAT YOU WILL LEARN

By the time you graduate from the BA/BEng Urban Planning and Design, you will:

- acquire knowledge of the natural, economic, socio-economic and political factors that shape our surroundings and how the built and natural environment is managed in different places around the world;
- understand the role, scope and limitations of contemporary urban and regional planning in contributing to the management of growth and change, and the conservation of the built and natural environment;
- comprehend the legal basis for action in planning and the relationship between planning and environmental issues;
- gain an appreciation of decision-making processes that represent the views of the diverse communities who are affected by those decisions and how and when they can be effectively deployed;
- develop abilities to think critically, reason logically, undertake systematic research, work in teams and use techniques in computing, numeracy, design and various forms of communication.

## WHY STUDY URBAN PLANNING AND DESIGN AT XJTLU?

- Learn in a globally competitive, professional programme that is unique in its focus on both local Chinese and international planning systems and urban design practice;
- Enjoy a range of learning experiences such as interactive studios, field surveys and local and international field classes and design workshops;
- Become an independent, active learner and critical thinker with support from our learning environment;
- Gain transferable skills that are vital for success in your future study or employment in planning and urban design-related fields;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

With a high demand for graduates of urban planning and design, you will have many options and become planners and/or designers in various fields including:

- policy making: developing legislation for the future of countries, cities and communities;
- urban design: creating attractive, safe and pleasant places in which to live, work or visit;
- property development: ensuring the right developments for the right places;
- transport planning: finding sustainable transport solutions;
- environmental planning: tackling the effects of climate change;
- urban regeneration: bringing life to places that need revitalisation;
- urban conservation: helping to protect our natural and built heritage;
- neighbourhood planning: engaging with people about how their communities are developed;
- smart city: promoting future cities that incorporate the latest in new technologies.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

The department also delivers the following optional modules for Year One students to acquire knowledge more closely linked to the subject.

URBAN TERMINOLOGY
INTRODUCTION TO URBAN PLANNING AND DESIGN
IMAGINING THE CITY

### YEAR TWO

You will study the following core subjects to broaden your understanding about urban planning and design:

ISSUES AND PRACTICE OF PLANNING IN CHINA I
URBAN & ENVIRONMENTAL ECONOMICS
PLANNING IN THE UK
HISTORY AND PURPOSE OF PLANNING
CONTEMPORARY PLANNING PRACTICE IN WESTERN EUROPE AND THE NORTH AMERICA
ISSUES AND PRACTICE OF PLANNING IN CHINA II
SKILLS FOR PLANNING PRACTICE
NEIGHBOURHOOD PLANNING

### YEAR THREE

You will build on this foundation and learn about knowledge and expertise needed to become professional urban planners and designers.

ENVIRONMENTAL SUSTAINABILITY
NETWORKS AND CITIES
PLANNING METHODOLOGY
SPATIAL DESIGN AND THE BUILT ENVIRONMENT I
RURAL PLANNING
GEOGRAPHIC INFORMATION SYSTEMS (GIS)
PROJECTING AND MANAGING URBAN FUTURES
SPATIAL DESIGN & THE BUILT ENVIRONMENT II

### YEAR FOUR

In the final year, you will have an opportunity to choose a topic of your interest and receive guidance from a supervisor to undertake an independent research project. You will also choose your specialization by taking a set of specialist modules in the area of ‘environment and planning’ or ‘urban design’, along with some core subjects.

FINAL YEAR PROJECT AND DISSERTATION (SPANNING BOTH SEMESTERS)
PLANNING LAW AND GOVERNANCE
PLANNING AND PROPERTY DEVELOPMENT
PLANNING THEORY
INTERNATIONAL PLANNING STUDIES

Specialisation option one: Environmental planning

ENVIRONMENT AND PLANNING
ENVIRONMENT AND PLANNING PROJECT

Specialisation option two: Urban design

URBAN DESIGN
URBAN DESIGN PROJECT



**ATTENDANCE**  
Full time



**QUALIFICATION**  
XJTLU  
BEng Urban Planning and Design



**2+2 STUDY ABROAD**  
Available

**University of Liverpool**  
BA Urban Planning and Design



**DURATION**  
Three or four years



# 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.







# BA ACCOUNTING

The BA Accounting provides you with an understanding of the principles, techniques and applications of accounting and finance in a practical context, as well a solid foundation in the underlying academic concepts and theory in the field. Graduates can go on to become competitive trainee accountants.

The programme involves studying accounting, business, finance, and management. You will learn about accounting and finance within an organisational context to understand how financial decisions are made. You will also learn to prepare and interpret accounts, and develop an appreciation of accounting practices in both the UK and China.

Graduates can claim up to a nine-paper exemption from the Association of Chartered Certified Accountants, UK qualification; an eight-paper exemption from the Association of Chartered Accountants, UK qualification; a twelve-paper exemption from the Chartered Institute of Management Accountants, UK qualification; and a six-paper exemption from the Certified Practising Accountants Australia, Australian qualification.Kingdom. This accreditation means that upon graduation, you will have partially gained the academic requirements needed to achieve chartered status and be able to demonstrate internationally recognised standards of competency as chemists.



## WHAT YOU WILL LEARN

By the time you graduate from the BA Accounting, you will have:

- a solid understanding of the technical language and practices of accounting and finance, such as financial and managerial accounting, auditing, and taxation; the skills and knowledge to design and conduct experiments
- the skills to record and summarise transactions, prepare financial statements and forecasts, and analyse business operations;
- the ability to evaluate the performance and financial situation of organisations;
- the knowledge to select and apply appropriate accounting and financial management tools to support organisational planning, decision-making, and control. an appreciation of the application of chemistry in nanotechnology, chemical, pharmaceutical, and clean and renewable energy industries.

## WHY STUDY ACCOUNTING AT XJTLU?

- Learn from specialists who possess PhD qualifications from top universities and/or have comprehensive industry experience;
- Gain a broad knowledge of accounting and finance, as well as the professional skills needed to succeed in the accounting profession and in industry;
- Benefit from the University's close ties with leading international chartered accountancy bodies and accounting firms, including the Institute of Chartered Accountants in England and Wales, Association of Chartered Certified Accountants, Chartered Institute of Management Accountants, Certified Practising Accountants Australia, Deloitte, KPMG, and PwC;
- Get support to secure internships or placements, giving you invaluable real-world business experience;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

In addition to entering the accounting profession, graduates from this programme can find employment in positions such as stockbroker, investment banker, and insurance broker, or in roles in the commerce industry or in public service.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

- INTRODUCTION TO ORGANISATION AND MANAGEMENT
- QUANTITATIVE METHODS
- INTRODUCTION TO FINANCIAL ACCOUNTING
- SKILLS FOR THE PROFESSIONAL ACCOUNTANTS
- ECONOMIC PRINCIPLES FOR BUSINESS AND MARKETS
- INTRODUCTION TO FINANCE
- INTRODUCTION TO MANAGERIAL ACCOUNTING
- INFORMATION SYSTEM FOR ACCOUNTANTS

### YEAR THREE

- CORPORATE SOCIAL RESPONSIBILITY
- FINANCIAL REPORTING I
- MANAGEMENT ACCOUNTING
- BUSINESS LAW
- ACCOUNTING THEORY
- FINANCIAL MANAGEMENT
- AUDIT AND ASSURANCE
- TAX COMPLIANCE

### YEAR FOUR

- BUSINESS FINANCE
- FINANCIAL REPORTING II
- ADVANCED TAXATION
- ADVANCED AUDITING
- ADVANCED MANAGEMENT ACCOUNTING
- BUSINESS STRATEGY
- CORPORATE REPORTING, ANALYSIS
- FINAL YEAR PROJECT

✓ **ATTENDANCE**  
Full time

🎓 **QUALIFICATION**  
XJTLU  
BMan Accounting

🌐 **2+2 STUDY ABROAD**  
Available

University of Liverpool  
BA (Hons) Accounting

🕒 **DURATION**  
Three or four years

👤 **ACCREDITATION**  
AACSB, ACA, ACCA,  
CIMA, CPA



# BA BUSINESS ADMINISTRATION

The BA Business Administration programme offers you a comprehensive introduction to business. You will learn how to analyse real-world business problems and find innovative solutions.

Through your studies, you will develop creative business thinking and the intellectual, interpersonal, technical and cognitive skills required to build a successful business career, and to adapt and respond positively to changing circumstances in the business arena.

Graduates have the knowledge, skills, and commercial awareness to pursue a career in a wide variety of public, private and not-for-profit organisations.

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 BA Business Administration, you will have:

- an understanding of the different ways in which businesses can be organised;
- the ability to reflect critically and holistically on the organisation and operation of businesses;
- the knowledge to apply a range of quantitative and qualitative research methods to solve business problems;
- an understanding of the social, cultural, and economic contexts in which businesses operate.

## WHY STUDY BUSINESS ADMINISTRATION AT XJTLU?

- Gain a comprehensive understanding of business and management and learn about every functional role in companies and how these functions are connected;
- Tailor your programme to suit your interests with a number of elective modules available, including marketing, human resource management, accounting, finance, and operations management;
- Learn in an interactive environment which includes case studies, group projects, workshops and student presentations;
- Gain practical experience and engage with industry through guest lectures, field trips, internships and company visits;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme can find employment in wide variety of roles within public, private and not-for-profit organisations. Your knowledge of business practices in both China and the international context will give you a competitive edge in securing employment in international organisations. The knowledge you gain in this programme will also provides strong foundation for pursuing further study.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

- INTRODUCTION TO ORGANISATION AND MANAGEMENT
- QUANTITATIVE METHODS
- FUNDAMENTALS OF MARKETING
- INTRODUCTION TO FINANCIAL ACCOUNTING AND ACCOUNTABILITY
- ECONOMIC PRINCIPLES FOR BUSINESS AND MARKETS
- FOUNDATIONS OF FINANCE
- PRINCIPLES OF OPERATIONS
- INTRODUCTION TO HUMAN RESOURCE MANAGEMENT

### YEAR THREE

- COMPULSORY MODULES:
- QUALITATIVE METHODS IN MANAGEMENT
  - THEORY OF THE FIRM

- CORPORATE SOCIAL RESPONSIBILITY
- INTERNATIONAL MANAGEMENT
- BUSINESS AND EMPLOYMENT LAW
- MARKET RESEARCH

### OPTIONAL MODULES:

- SERVICES MARKETING
- INTERNATIONAL DEVELOPMENT
- ENTREPRENEURSHIP
- PROJECT MANAGEMENT ESSENTIALS

### YEAR FOUR

### COMPULSORY MODULES:

- MANAGING PEOPLE
- PSYCHOLOGICAL APPROACHES TO DECISION-MAKING
- CORPORATE COMMUNICATION
- FINAL EXAMINATION YEAR PROJECT (PHASE I AND II)
- STRATEGIC MANAGEMENT AND BUSINESS POLICY

### OPTIONAL MODULES:

- MARKETING STRATEGY
- E-BUSINESS MODELS AND STRATEGIES
- INTERNATIONAL ECONOMIC RELATIONS

✓ **ATTENDANCE**  
Full time

🌐 **2+2 STUDY ABROAD**  
Available

🕒 **DURATION**  
Three or four years

🎓 **QUALIFICATION**  
XJTLU  
BMan Business Administration

**University of Liverpool**  
BA Business Administration  
BA (Hons) Business Management



# BSc ECONOMICS

The BSc Economics programme will provide you with comprehensive training in the theoretical and quantitative tools used in economics. You will learn how to apply this training to understand, analyse and interpret the workings of real-world markets. While all students receive a rigorous grounding in microeconomics, macroeconomics and econometrics, you can specialise in one of three areas: finance, international business or marketing.

## CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared for management and specialist positions in business sectors such as management consultancies, financial sectors, international organisations, government and civil service, as well as positions in marketing, law and entrepreneurship.

Graduates will also gain a solid foundation for postgraduate study in economics, finance, management or public administration.



### ATTENDANCE

Full time



### ACCREDITATION

AACSB



### 2+2 STUDY ABROAD

Available



### QUALIFICATION

XJTLU

BEcon Economics



### DURATION

Three or four years

University of Liverpool

BA Business Economics

BSc Economics

## WHAT YOU WILL LEARN

By the time you graduate from the BSc Economics programme, you will have:

- the ability to demonstrate comprehensive and systematic understanding of economic concepts, principles, theory and modelling approaches, including theoretical foundations of modern economic thought, and practical and theoretical knowledge of micro-economic and macro-economic systems;
- the knowledge to apply economic theories to analyse the workings of real-world markets;
- the skills to analyse and identify creative solutions to problems relating to business, industry and economic policy;
- the ability to collect, organise, manipulate, present, critically evaluate and analyse economic and business data and information in an informative and accessible way for different audiences and users.

## WHY STUDY ECONOMICS AT XJTLU?

- Choose from a broad array of modules with a range of theoretical and applied topics, as well as specialised modules that give you an enhanced understanding of economic theory;
- Gain a thorough understanding of the global economy and the Chinese economy in particular while obtaining insight into businesses and their contribution to on-going development in China and in other countries;
- Take advantage of work placements that will give you an understanding of how your academic skills apply to real-world situations through XJTLU's continuously developed links with public and private sectors;
- Be well-prepared to sit for the CFA Investment Foundations Program exam at a discounted registration fee by successfully completing the only module in China accepted into the CFA Institute Investment Foundations Academic Programme;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### COMPULSORY MODULES:

PRINCIPLES OF MICROECONOMICS

INTRODUCTION TO STATISTICS

PRINCIPLES OF MACROECONOMICS

MATHEMATICS FOR ECONOMICS AND BUSINESS

#### OPTIONAL MODULES (FINANCE SPECIALISATION):

INTRODUCTION TO FINANCIAL ACCOUNTING AND ACCOUNTABILITY

INTRODUCTION TO BUSINESS AND ECONOMICS

FOUNDATIONS OF FINANCE

INTRODUCTION TO MANAGERIAL ACCOUNTING

#### OPTIONAL MODULES (INTERNATIONAL BUSINESS SPECIALISATION):

INTRODUCTION TO BUSINESS AND ECONOMICS

MANAGING ACROSS BORDERS

INTRODUCTION TO INTERNATIONAL BUSINESS & MANAGEMENT

CONSUMER BEHAVIOURS

#### OPTIONAL MODULES (MARKETING SPECIALISATION):

INTRODUCTION TO BUSINESS AND ECONOMICS

FUNDAMENTALS OF MARKETING

CONSUMER BEHAVIOURS

INTEGRATED MARKETING COMMUNICATIONS

### YEAR THREE

#### COMPULSORY MODULES:

MICROECONOMICS I

MACROECONOMICS I

ECONOMETRICS I

MICROECONOMICS II

MACROECONOMICS II

ECONOMETRICS II

#### OPTIONAL MODULES (FINANCE SPECIALISATION):

HISTORY OF ECONOMIC THOUGHT

ISSUES OF ECONOMIC POLICY

FINANCIAL MANAGEMENT

BEHAVIOURAL ECONOMICS

DYNAMIC OPTIMISATION IN ECONOMICS

#### OPTIONAL MODULES (INTERNATIONAL BUSINESS SPECIALISATION):

INTERNATIONAL MANAGEMENT

HISTORY OF ECONOMIC THOUGHT

INTERNATIONAL DEVELOPMENT

BEHAVIOURAL ECONOMICS

DYNAMIC OPTIMISATION IN ECONOMICS

ISSUES OF ECONOMIC POLICY

#### OPTIONAL MODULES (MARKETING SPECIALISATION):

RETAIL MARKETING

HISTORY OF ECONOMIC THOUGHT

MARKET RESEARCH

BEHAVIOURAL ECONOMICS

DYNAMIC OPTIMISATION IN ECONOMICS

ISSUES OF ECONOMIC POLICY

### YEAR FOUR

#### COMPULSORY MODULES:

ADVANCED ECONOMETRICS

FINAL YEAR PROJECT (PHASE I AND II)

ADVANCED MACROECONOMICS

#### OPTIONAL MODULES (FINANCE SPECIALISATION):

BUSINESS FINANCE

MONETARY ECONOMICS

GAME THEORY

FINANCE AND MARKETS

INTERNATIONAL TRADE

THE CHINESE ECONOMY

#### OPTIONAL MODULES (INTERNATIONAL BUSINESS SPECIALISATION):

BUSINESS IN THE ASIA-PACIFIC REGION

INTERNATIONAL MARKETING

MONETARY ECONOMICS

GAME THEORY

INTERNATIONAL TRADE

STRATEGIC MANAGEMENT AND BUSINESS POLICY

THE CHINESE ECONOMY

#### OPTIONAL MODULES (MARKETING SPECIALISATION):

INTERNATIONAL MARKETING

CORPORATE COMMUNICATION

MONETARY ECONOMICS

GAME THEORY

STRATEGIC MANAGEMENT AND BUSINESS POLICY

SERVICE MARKETING

THE CHINESE ECONOMY



# BSc ECONOMICS AND FINANCE

The BSc Economics and Finance programme will provide you with a real competitive edge as you gain knowledge of both economic and financial theory and an understanding of the relation between the mechanisms driving economic systems and the workings of capital markets.

You will develop the intellectual, analytical and modelling skills needed to solve problems in economics, finance and related areas. You will also learn to use the analytical tools required to appreciate and critically analyze economic and financial policy issues and problems.

The interdisciplinary path will prepare you for specialist courses such as financial economics and financial econometrics. The programme will provide a basic knowledge of accounting, which is invaluable for understanding how enterprises work.



## WHAT YOU WILL LEARN

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

- a solid background in economics and financial theory;
- a good understanding of these two fields and the ability to build on this interdisciplinary perspective to solve contemporary market questions;
- the intellectual, analytical and modelling skills needed in the fields of economics and finance;
- the ability to apply the knowledge and skills required to solve specific theoretical and applied problems in economics and finance;
- preparation for the job market, with a sound understanding of economics in general and a specialised knowledge of financial markets.

## WHY STUDY ECONOMICS AND FINANCE AT XJTLU?

- Understand financial transactions in a broader economic context, as financial markets emerge as the next step in the development of the Chinese economy;
- Take advantage of XJTLU's partnerships with important players in international financial markets as well as a Thomson Reuters Financial Lab that you can access on-site for research;
- Be well-prepared to sit for the CFA Investment Foundations Program exam at a discounted registration fee when you successfully complete the only module in China accepted into the CFA Institute Investment Foundations Academic Programme;
- Get on the fast-track to a career in the financial sector or in the professional services industry;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared for positions including those in the financial sector or professional services industry (including 'The Big Four' accounting and consulting firms: KPMG, Deloitte, PwC, and Ernst & Young).

Graduates will also be prepared for postgraduate studies in finance, economics and related subjects.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

PRINCIPLES OF MICROECONOMICS  
INTRODUCTION TO STATISTICS  
FOUNDATIONS OF FINANCIAL ACCOUNTING  
INTRODUCTION TO BUSINESS AND ECONOMICS  
PRINCIPLES OF MACROECONOMICS  
MATHS FOR ECONOMICS AND BUSINESS  
FOUNDATIONS OF FINANCE  
INTRODUCTION TO MANAGERIAL ACCOUNTING

### YEAR THREE

#### COMPULSORY MODULES:

INTERMEDIATE MICROECONOMICS  
CORPORATE FINANCE  
MATHEMATICAL ECONOMICS  
ECONOMETRIC THEORY  
FINANCIAL INSTRUMENTS  
INTERMEDIATE MACROECONOMICS

#### OPTIONAL MODULES:

HISTORY OF ECONOMIC THOUGHT  
ISSUES OF ECONOMIC POLICY  
EXPERIMENTAL ECONOMICS AND FINANCE  
BEHAVIOURAL ECONOMICS  
INTERNATIONAL LABOUR MARKETS  
DYNAMIC OPTIMISATION IN ECONOMICS

### YEAR FOUR

#### COMPULSORY MODULES:

INVESTMENTS  
FINANCIAL ECONOMETRICS  
FINAL YEAR PROJECT (PHASE I & II)  
FINANCIAL ECONOMICS  
FINANCIAL RISK MANAGEMENT

#### OPTIONAL MODULES:

GAME THEORY  
INTERNATIONAL POLITICAL ECONOMY  
MONETARY ECONOMICS  
ADVANCED MACROECONOMICS  
THE CHINESE ECONOMY  
INTERNATIONAL TRADE



#### ATTENDANCE

Full time



#### QUALIFICATION

XJTLU  
BEcon Economics



#### 2+2 STUDY ABROAD

Available

University of Liverpool  
BA Business Economics  
BSc Economics



#### DURATION

Three or four years



# BA HUMAN RESOURCE MANAGEMENT

In the BA Human Resource Management programme, you will learn how individuals are managed within an organisational context. You will be introduced to current human resource management theory and practice and be encouraged to think creatively and critically about the role of human resource management within the wider business world. You will acquire a range of intellectual, interpersonal and technical skills that are relevant to the field and develop an understanding of the frameworks used to manage employer and employee relationships.

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

When you graduate from the BA Human Resource Management, you will have:

- the ability to demonstrate knowledge of both human resource management (HRM) theory and general management theory and practice;
- an understanding of the legal frameworks concerned with employment and their implications for human resource management policies and functions;
- an appreciation of the ways in which individuals, groups and organisations learn, and be able to relate this to individual and organisational change and development strategies;
- an understanding of the challenges of changing work patterns and environments for human resource management;
- a range of intellectual, interpersonal and technical skills that are relevant to HRM and business management.

## WHY STUDY HUMAN RESOURCE MANAGEMENT AT XJTLU?

- Learn skills that are essential for the development of any organisation;
- Take advantage of the unique opportunity to study and understand both Chinese and international human resources systems;
- Network with international companies through company visits and guest lectures;
- Learn from academic staff from both international and Chinese backgrounds who have extensive industry and teaching experience;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates will be well prepared for positions including human resource management generalist, recruitment specialist, training professional, change management professional, consultant, and employment researcher.

Graduates will also gain a solid foundation for postgraduate study, such as that leading to a specialised masters degree, MBA or professional qualification.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

In Year Two, you will develop a broad understanding of business principles through the study of:

- INTRODUCTION TO ORGANISATION AND MANAGEMENT
- INTRODUCTION TO LEADERSHIP
- FUNDAMENTALS OF MARKETING
- INTRODUCTION TO FINANCIAL ACCOUNTING AND ACCOUNTABILITY
- INTRODUCTION TO HUMAN RESOURCE MANAGEMENT
- ECONOMIC PRINCIPLES FOR BUSINESS AND MARKETS
- FOUNDATIONS OF FINANCE
- INTRODUCTION TO INTERNATIONAL BUSINESS AND MANAGEMENT

### YEAR THREE

- CORPORATE SOCIAL RESPONSIBILITY
- PEOPLE RESOURCING
- LEARNING, TRAINING AND DEVELOPMENT
- PERFORMANCE MANAGEMENT
- MARKET RESEARCH
- QUALITATIVE RESEARCH METHODS IN MANAGEMENT RESEARCH
- BUSINESS AND EMPLOYMENT LAW
- INTERNATIONAL DEVELOPMENT

### YEAR FOUR

- EMPLOYEE REWARDS
- INTERNATIONAL HUMAN RESOURCE MANAGEMENT
- MANAGING PEOPLE
- FINAL YEAR PROJECT (PHASE I AND II)
- DIVERSITY IN ORGANISATIONS
- ORGANISATIONAL CHANGE AND DEVELOPMENT
- STRATEGIC MANAGEMENT AND BUSINESS POLICY

✓ **ATTENDANCE**  
Full time

🌐 **2+2 STUDY ABROAD**  
Available

🕒 **DURATION**  
Three or four years

🎓 **QUALIFICATION**  
XJTLU  
BMan Human Resource Management

**University of Liverpool**  
BA (Hons) Human Resource Management



# BSc INFORMATION MANAGEMENT AND INFORMATION SYSTEMS

The BSc Information Management and Information Systems programme equips you with skills, knowledge and understanding relevant to the fields of e-finance and e-business. You will learn the core concepts of information technology (IT), financial management and economics and build your understanding of the interconnectedness of the core principles of these disciplines.

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.



✓ **ATTENDANCE**  
Full time

🌐 **2+2 STUDY ABROAD**  
Available

🕒 **DURATION**  
Three or four years

👤 **ACCREDITATION**  
AACSB

🎓 **QUALIFICATION**  
XJTLU  
BMan Information Management and Information Systems

**University of Liverpool**  
BSc (Hons) Electronic Commerce Computing  
BSc (Hons) Financial Computing  
BSc Information Management and Information Systems

## WHAT YOU WILL LEARN

By the time you graduate from the BSc Information Management and Information Systems, you will have:

- an understanding of information management and information systems and their application to e-finance and e-business;
- the ability to demonstrate knowledge and understanding of essential facts, concepts, principles and theories relating to computing and computer applications;
- the ability to apply a range of accounting and quantitative methods to describe and model financial products;
- the skills to develop and apply e-finance software a broad understanding of business and economic principles.

## WHY STUDY INFORMATION MANAGEMENT AND INFORMATION SYSTEMS AT XJTLU?

- Gain skills and knowledge for working across a wide range of industries in a rich interdisciplinary environment;
- Complete coursework and assessments that are created by experienced academics who draw upon both their academic and industry experience to provide an enhanced learning experience;
- Receive a unique blend of technical and managerial knowledge intended to create managers of the future;
- Take advantage of the opportunity to gain practical knowledge through a final year capstone project that prepares you for the workplace;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Graduates are well prepared to pursue both technical and managerial careers within the IT and financial services industries. The programme also provides a sound basis for further study.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

INTRODUCTION TO FINANCIAL ACCOUNTING  
INTRODUCTION TO PROGRAMMING IN JAVA  
INTRODUCTION TO DATABASES  
ENGLISH LANGUAGE STUDY SKILLS III FOR BUSINESS  
INTRODUCTION TO STATISTICS  
ECONOMIC PRINCIPLES FOR BUSINESS AND MARKETS  
FOUNDATIONS OF FINANCE  
ALGORITHMIC FOUNDATIONS AND PROBLEM SOLVING  
INTRODUCTION TO ARTIFICIAL INTELLIGENCE

### YEAR THREE

**FINANCIAL COMPUTING SPECIALISATION: COMPULSORY MODULES:**  
CORPORATE SOCIAL RESPONSIBILITY  
E-BUSINESS SYSTEMS  
DATABASE DEVELOPMENT AND DESIGN  
SOFTWARE ENGINEERING I  
SECURITIES MARKETS  
FINANCIAL MANAGEMENT  
SOFTWARE ENGINEERING GROUP PROJECT  
INTRODUCTION TO FINANCIAL MATHEMATICS  
**E-COMMERCE COMPUTING SPECIALISATION: COMPULSORY MODULES:**  
CORPORATE SOCIAL RESPONSIBILITY  
E-BUSINESS SYSTEMS  
DATABASE DEVELOPMENT AND DESIGN  
SOFTWARE ENGINEERING I  
FINANCIAL MANAGEMENT

SOFTWARE ENGINEERING GROUP PROJECT  
INTRODUCTION TO FINANCIAL MATHEMATICS

### OPTIONAL MODULES:

HUMAN-CENTRIC COMPUTING  
ADVANCED OBJECT-ORIENTED PROGRAMMING

### YEAR FOUR

### FINANCIAL COMPUTING SPECIALISATION: COMPULSORY MODULES:

BUSINESS FINANCE  
BIG DATA ANALYTICS  
TECHNOLOGIES FOR E-COMMERCE  
FINANCE AND MARKETS

### OPTIONAL MODULES:

RISK MANAGEMENT FOR BUSINESS  
BUSINESS IN THE ASIA-PACIFIC REGION  
MACHINE LEARNING  
E-BUSINESS MODELS AND STRATEGIES  
BUSINESS STRATEGY  
FINAL YEAR PROJECT (PHASE I AND II) (CSE305)  
FINAL YEAR PROJECT (PHASE I AND II) (MAN303)

### E-COMMERCE COMPUTING SPECIALISATION: COMPULSORY MODULES:

BIG DATA ANALYTICS  
TECHNOLOGIES FOR E-COMMERCE

### OPTIONAL MODULES:

INTERNATIONAL MARKETING  
RISK MANAGEMENT FOR BUSINESS  
MOBILE COMPUTING  
MACHINE LEARNING  
SOFTWARE ENGINEERING II  
COMPUTER SYSTEMS SECURITY  
E-BUSINESS MODELS AND STRATEGIES  
MARKETING STRATEGY  
FINAL YEAR PROJECT (PHASE I AND II) (CSE305)  
FINAL YEAR PROJECT (PHASE I AND II) (MAN303)



# BA INTERNATIONAL BUSINESS WITH A LANGUAGE

With China’s growing presence in international markets and its rising influence on global economics, a sound knowledge of international business issues is becoming increasingly important for university graduates seeking roles in both international and Chinese organisations. The BA International Business with a Language programme aims to enhance your employability by equipping you with:

- a broad and comprehensive knowledge of international business issues;
- knowledge of functional areas of business and management in an international context;
- communication skills in both English and an additional language (Chinese, Spanish or Japanese).

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). Fewer than 100 business schools worldwide have both AACSB and EQUIS accreditation.

## WHAT YOU WILL LEARN

By the time you graduate from the BA International Business with a Language, you will have:

- knowledge of the key principles of doing international business with an understanding of the complexities of the international business environment;
- the ability to reflect critically on the operation and strategies of international businesses;
- the skills to communicate effectively in English, as well as in Chinese, Spanish or Japanese;
- broad and comprehensive knowledge of international business issues and the relatedness and interaction of many functional areas of business and management in an international context;
- the demonstrated skills, competencies and understanding required to operate appropriately, ethically, productively and with confidence when managing businesses in the international arena, especially in countries where the language of study is spoken.

## WHY STUDY INTERNATIONAL BUSINESS WITH A LANGUAGE AT XJTLU?

- Take advantage of internships with and field trips to Fortune 500 multinational companies within the Suzhou Industrial Park area of Suzhou and the greater Yangtze River region;
- Learn from a curriculum that combines traditional business theories with broader theoretical knowledge and practical studies of the key success factors that influence business in an international context;
- Gain new language skills;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

There is a growing need for multilingual graduates with international business knowledge and experience. Study and summer school abroad opportunities in countries where the target language is spoken as well as internship opportunities in multinational organisations provide students with the skills to respond to the dynamic and volatile international business environment of today. Graduates from this programme will be well-prepared for further, more specialised postgraduate study or careers in different functional areas of business including marketing, management, import-export, logistics and general administration.

## MODULES

### YEAR ONE

Most students start their studies in Year One, where they take a range of interesting content and language modules to equip them with the core skills they need in the later years of their degree. These skills include a basic level of ability in their chosen additional language. However, some students are able to enter directly into Year Two of this programme, if they possess appropriate qualifications.

### YEAR TWO

- INTRODUCTION TO ORGANISATION AND MANAGEMENT
- MANAGING ACROSS BORDERS
- FUNDAMENTALS OF MARKETING
- FOUNDATIONS OF FINANCE
- ECONOMIC PRINCIPLES FOR BUSINESS AND MARKETS
- INTRODUCTION TO HUMAN RESOURCE MANAGEMENT
- LANGUAGE OPTION: CHINESE I OR SPANISH I OR JAPANESE I
- ENGLISH LANGUAGE AND STUDY SKILLS 3 FOR BUSINESS

### YEAR THREE

- INTERNATIONAL BUSINESS LAW
- CORPORATE SOCIAL RESPONSIBILITY
- QUALITATIVE RESEARCH METHODS IN MANAGEMENT RESEARCH
- INTERNATIONAL LABOUR MARKETS
- INTERNATIONAL EMPLOYMENT RELATIONS
- INTERNATIONAL DEVELOPMENT
- LANGUAGE OPTION: CHINESE II OR SPANISH II OR JAPANESE II

### YEAR FOUR

- COMPULSORY MODULES:**
- BUSINESS IN THE ASIA-PACIFIC REGION
- INTERNATIONAL ECONOMIC RELATIONS
- STRATEGIC MANAGEMENT AND BUSINESS POLICY
- FINAL YEAR PROJECT
- LANGUAGE OPTION: CHINESE III OR SPANISH III OR JAPANESE III
- OPTIONAL MODULES:**
- INTERNATIONAL HUMAN RESOURCE MANAGEMENT
- INTERNATIONAL MARKETING

✓ <b>ATTENDANCE</b> Full time	🎓 <b>QUALIFICATION</b> XJTLU BMan International Business
🌐 <b>2+2 STUDY ABROAD</b> Available	<b>University of Liverpool</b> BA International Business BA International Business with a Language
🕒 <b>DURATION</b> Three or four years	👤 <b>ACCREDITATION</b> AACSB







# BA MARKETING

Marketing plays a key role in the success of any organisation. It is not just about advertising and selling, but also a process of creating value for customers and building customer relationships.

The BA Marketing programme will provide you with the knowledge, skills, business awareness and confidence that will enable you to succeed in marketing and the wider business world. By learning how firms identify their target markets, position their products and satisfy their customers’ needs through a range of marketing strategies, you will learn to appreciate the nature of marketing and the important role it plays in creating competitive advantage for an organisation.

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 BA Marketing, you will have:

- a comprehensive understanding of marketing theories and consumer behaviour;
- the ability to develop a professional marketing plan for business clients;
- the skills to apply a range of marketing tools and techniques to critically address specific business situations;
- the ability to apply a range of qualitative and quantitative research methods to make informed marketing decisions;
- a range of intellectual, interpersonal and technical skills that are relevant to marketing and business.

## WHY STUDY MARKETING AT XJTLU?

- Learn in a truly international learning environment with culturally diverse academic staff and students;
- Take advantage of a combined Western and Eastern teaching style with a range of innovative teaching and learning methods, such as student-led seminars and business simulations;
- Enjoy opportunities to meet industry experts and learn from real-world marketing activities inside and outside the classroom;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

Our marketing graduates are represented at leading national and international companies working in positions such as marketing consultants, brand managers, marketing research analysts and media planners.

Graduates take a different path and progress on to postgraduate study, notably at prestigious UK institutions.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

- INTRODUCTION TO ORGANISATION AND MANAGEMENT
- INTRODUCTION TO FINANCIAL ACCOUNTING AND ACCOUNTABILITY
- QUANTITATIVE METHODS
- FUNDAMENTALS OF MARKETING
- INTRODUCTION TO INTERNATIONAL BUSINESS AND MANAGEMENT
- FOUNDATIONS OF FINANCE
- CONSUMER BEHAVIOURS
- INTRODUCTION TO HUMAN RESOURCE MANAGEMENT

### YEAR THREE

- RETAIL MARKETING
- CORPORATE SOCIAL RESPONSIBILITY
- INTEGRATED MARKETING COMMUNICATIONS

- QUALITATIVE RESEARCH METHODS IN MANAGEMENT
- ENTREPRENEURSHIP
- SERVICES MARKETING
- E-MARKETING: STRATEGIES AND TECHNIQUES
- MARKET RESEARCH

### YEAR FOUR

- COMPULSORY MODULES:**
- FINAL YEAR PROJECT (PHASE I AND II)
  - INTERNATIONAL MARKETING
  - RELATIONSHIP MARKETING
  - CRITICAL ISSUES IN MARKETING
  - MARKETING STRATEGY
- OPTIONAL MODULES:**
- PSYCHOLOGICAL APPROACHES TO DECISION-MAKING
  - BUSINESS IN THE ASIA-PACIFIC REGION
  - CORPORATE COMMUNICATION
  - MANAGING PEOPLE
  - INTERNATIONAL ECONOMIC RELATIONS
  - E-BUSINESS MODELS AND STRATEGIES
  - STRATEGIC MANAGEMENT AND BUSINESS POLICY



**ATTENDANCE**  
Full time



**ACCREDITATION**  
AACSB



**DURATION**  
Three or four years



**QUALIFICATION**  
XJTLU  
BMan Marketing

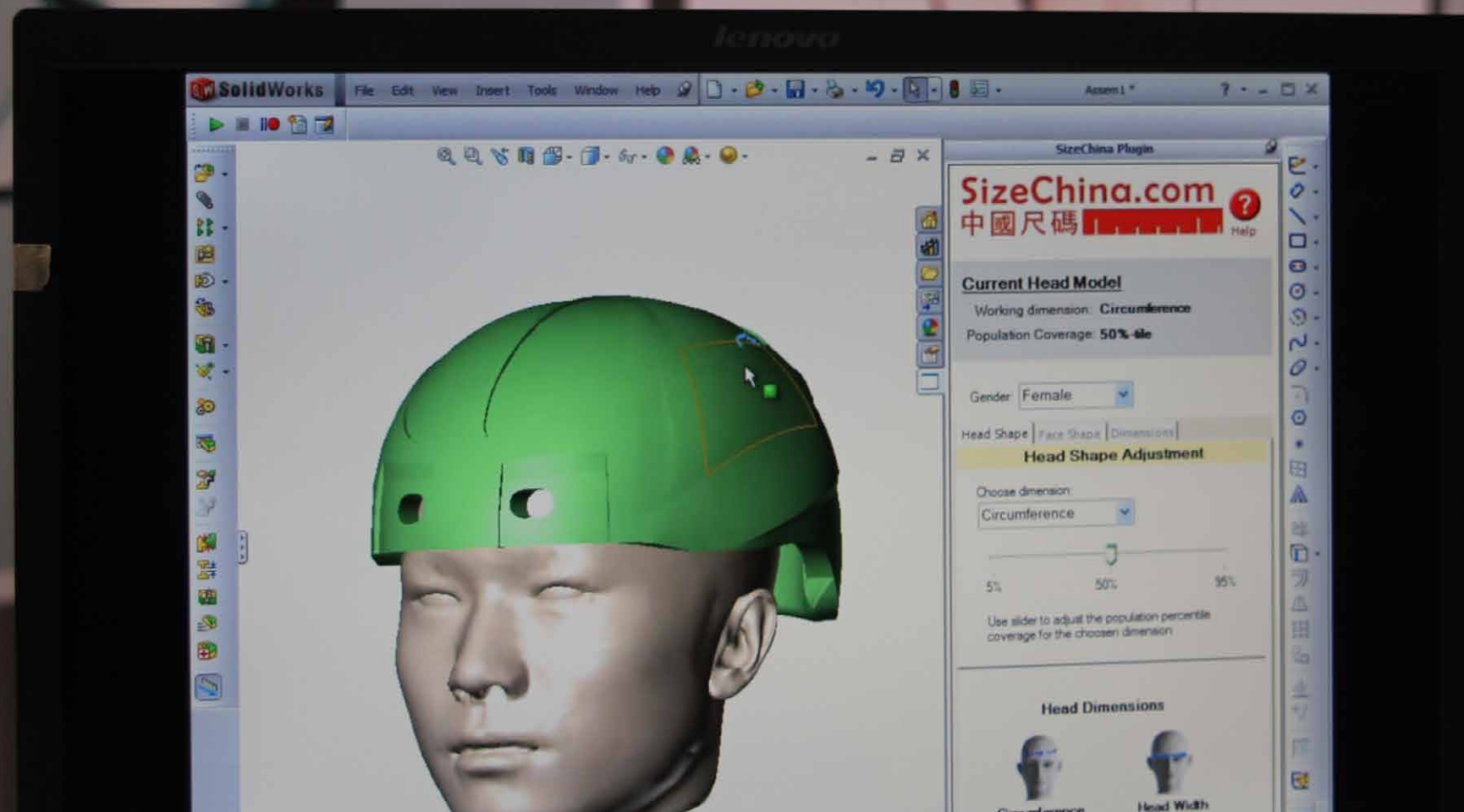


**2+2 STUDY ABROAD**  
Available

**University of Liverpool**  
BA (Hons) Marketing

## DEPARTMENT OF INDUSTRIAL DESIGN

The Department of Industrial Design focusses on user-centred product and systems design for society in response to social, cultural and technical context. We endeavour to educate a new generation of industrial and product designers who are able to understand and participate in China's ongoing social, cultural, and economic transformation through achieving a balance of creative and technical knowledge and competencies.





# BEng INDUSTRIAL DESIGN

Industrial designers combine vision and creativity in order to turn concepts into successful products and services. Think for example of an Augmented Reality app that helps young families to design their future car. Or what about an autonomous exoskeleton for elderly with a walking disability? Or a marketing campaign to attract more people to a soft drinks brand? The possibilities are endless.

The Chinese economy is rapidly transforming from ‘made in China’ to ‘created in China’. Designers are in high demand. The studio-centred BEng Industrial Design programme educates a new generation of designers. It uses an interdisciplinary approach, integrating engineering, design, business, human computer interaction, anthropology, and aesthetics.

The BEng Industrial Design uses the best practices and latest development trends in design. You have the opportunity to work with local and multinational enterprises and obtain real-world design experience. In doing this you learn to bridge cultural differences between China and other countries. After all, job opportunities in design are worldwide!

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Industrial Design you will have:

- the ability to use technological methods and creative skills for the development and production of products, consumer goods and interactive products and services;
- knowledge of social, cultural and historical aspects that influence the design of products and services;
- an understanding of cross-cultural aspects of designing for the Chinese market and other contexts;
- creative, innovative and rational thinking skills; user research, visualisation and model-making skills;
- the ability to design material products and interactive services;
- skills in presenting and documenting design development processes.

## WHY STUDY INDUSTRIAL DESIGN AT XJTLU?

- Learn how to translate user needs into well-justified design solutions ranging from service to product designs;
- Experiment with the latest 3D printers, laser cutters and CNC-machines in our workshop;
- Participate in collaborative projects and/or internship opportunities at national and multinational companies;
- Study in Suzhou, one of China’s most multicultural cities, which provides a unique perspective based on world leading high tech companies and its rich cultural heritage;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## CAREERS AND FURTHER STUDY

You will be well prepared to work in design, and research and development departments of multinational enterprises or as design consultants and freelance designers. Because of the cross-cultural focus of the programme, you are well-positioned to work internationally.

You will also gain a solid foundation for postgraduate study or other professional careers in areas that emphasise conceptual thinking, communication skills and the cross-cultural appreciation of creativity, innovation processes, user needs and behaviours and consumer markets.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides students with a range of interesting modules, language classes and core skills for your degree. In Year One, BEng Industrial Design students take modules including calculus (MTHo13), multivariable calculus (MTHoo8), physics (PHYoo4) and design expressions (2D) I and II (INDoo1 and INDoo2).

### YEAR TWO

- STATICS AND SOLIDS
- COMPUTER AIDED DESIGN AND MODELING (3-D)
- DIFFERENTIAL EQUATIONS FOR ENGINEERS
- STUDIO: HUMAN NEEDS
- MATERIALS FOR DESIGN
- HISTORY OF INDUSTRIAL DESIGN
- DESIGN COMMUNICATION
- INTRODUCTION TO HUMAN COMPUTER INTERACTION
- FLUID MECHANICS AND THERMODYNAMICS

### YEAR THREE

- PRODUCT SEMANTICS AND AESTHETICS
- STUDIO: CONCEPT GENERATION & INTERACTION
- USER-FOCUSED RESEARCH
- MECHATRONICS IN DESIGN
- DESIGN FOR MANUFACTURABILITY
- CREATIVITY METHODS & THEORY
- ERGONOMICS
- STUDIO: INDUSTRY COLLABORATION

### YEAR FOUR

- PROFESSIONAL PRACTICE
- ROBUST DESIGN
- CULTURE AND THEORY
- DESIGN FOR SUSTAINABILITY
- DESIGN STRATEGY AND ETHICS
- SERVICE DESIGN
- FINAL YEAR PROJECT



### ATTENDANCE

Full time



### 2+2 STUDY ABROAD

Available



### DURATION

Three or four years



### QUALIFICATION

XJTLU  
BEng Industrial Design

University of Liverpool  
BEng Industrial Design

## DEPARTMENT OF INTERNATIONAL RELATIONS

International relations is the interdisciplinary study of the interconnectedness of politics, economics and law in global affairs. Our department examines interactions and relationships between nation states, international organisations, non-governmental organisations and multinational corporations within the international framework, with an emphasis placed on understanding and interpreting the changing position and role of China within this framework.

Our world-class faculty delivers research-led teaching on society, politics, economics, institutions, law and development issues in major regions of the world, including North and South America, East and Southeast Asia, Europe and Africa, and China's engagement with these regions; and provides advice and assistance on local socio-economic interactions.







# BA INTERNATIONAL RELATIONS

China’s economic growth has coincided with rapid globalisation over the past three decades. As this growth continues there is a need for a more specialised understanding of the country’s growing socio-economic interactions with the rest of the world.

The BA International Relations programme aims to deepen such knowledge and understanding, and to produce the entrepreneurial and managerial leaders of the future who will bring China to the world and the world to China.

Through the interdisciplinary study of the interconnectedness of politics, economics and law in global affairs, the programme examines relationships between nation states, international organisations, non-governmental organisations and multinational corporations within the international framework.

While the programme focuses on China in an international context, all students will spend one semester studying abroad in the country of their choice during their studies.



## WHAT YOU WILL LEARN

By the time you graduate from the BA International Relations, you will have:

- an appreciation of other countries and societies, through both study and lived experience in a country of specialisation;
- specialist knowledge of China’s interactions with other parts of the world, other countries’ involvement with China, and world structures of business, trade, and investment;
- an understanding of the principal concepts of the humanities and social sciences, as well as a range of theories of knowledge in international relations and international political economy ;
- advanced analytical, critical thinking, cross-cultural, interpersonal and communication skills practical experience in research and policy analysis.

## WHY STUDY INTERNATIONAL RELATIONS AT XJTLU?

- Live in China, the perfect place to gain a unique understanding of the country’s place in the world;
- Learn another language with Spanish or Japanese available as additional languages if the required standard of Chinese and English is reached;
- Specialise in the study of one other country and spend one semester there as part of your programme;
- Undertake a significant piece of independent research based on your Semester of International Experience;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for positions related to China’s international socio-economic interactions, both in China and in other countries of the world. Graduates may find employment in a range of sectors including government, development, business and trade relations, and international social mobility.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

- COMPULSORY MODULES:
- CONTEMPORARY INTERNATIONAL RELATIONS
  - WORLD HISTORY: TWENTIETH CENTURY TO TODAY
  - REGIONAL INTEGRATION: THE CASE OF EUROPE
  - INTERNATIONAL POLITICS OF DEVELOPMENT IN AFRICA
  - INTERNATIONAL POLITICAL ECONOMY
  - CHINA: GOVERNMENT AND POLITICS
  - HISTORY OF THE AMERICAS
  - EAST AND SOUTHEAST ASIA: THE PACIFIC CENTURY
  - ENGLISH/CHINESE/SPANISH/JAPANESE LANGUAGE CLASSES

### YEAR THREE

- INTERNATIONAL CHINA
- CHINA: INTERNATIONAL TRADE
- CHINA AND ASIA
- INTERNATIONAL BUSINESS LAW
- INTERNATIONAL RELATIONS RESEARCH METHODS
- MANAGING THE WORLD: THE ROLE OF INTERNATIONAL INSTITUTIONS
- ENGLISH/CHINESE/SPANISH/JAPANESE LANGUAGE CLASSES

### YEAR FOUR

- SEMESTER OF INTERNATIONAL EXPERIENCE
  - INTERNATIONAL RELATIONS FINAL YEAR PROJECT
- OPTIONAL MODULES:
- INTERNATIONAL COMMUNICATIONS
  - SINO-EUROPEAN RELATIONS: A CRITICAL APPROACH
  - US INTELLIGENCE AND FOREIGN POLICY
  - PUBLIC POLICY AND CULTURAL DIPLOMACY
  - FINDING SOLUTIONS: DEVELOPMENT THEORY AND PRACTICE

✓	ATTENDANCE Full time	🎓	QUALIFICATION XJTLU BA International Relations
🌐	2+2 STUDY ABROAD Not Available		University of Liverpool BA International Relations
🕒	DURATION Three or four years		



## 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 will focus 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 six 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.





# BA ARTS, TECHNOLOGY AND ENTERTAINMENT

The BA Arts, Technology and Entertainment is an interdisciplinary programme that combines film, television, photography, digital arts - specially immersive technologies such as Virtual Reality (VR), Augmented Reality (AR), Mixed Reality (MR) - and media communications.

Through a series of practical and research-based projects, you will gain industry and technical experience designed to develop your professional skills in art, entertainment, content creation and development, motion capture, and project management.

In addition, you will learn how to become an independent practitioner and entrepreneur, capable of anticipating changes and communicating strategically with stakeholders at all levels.

## WHAT YOU WILL LEARN

By the time you graduate from the BA Arts, Technology and Entertainment, you will have:

- the ability to plan, design, develop, produce and manage content and content strategy in a range of settings, including media companies, art institutions, design agencies, culture and innovation groups;
- knowledge and skills in digital application, artistic innovation, space design, interaction design, and aesthetic art literacy;
- well-developed understanding of both China's and the global entertainment industry;
- high-level research, analytical, communication and creative skills;
- achieved a variety of professional artistic accomplishments through individual project exploration and research.

## WHY STUDY ARTS, TECHNOLOGY AND ENTERTAINMENT AT XJTLU?

- Enjoy creative freedom while gaining an understanding of the key academic theories that will underpin your practical approaches and directions;
- Benefit from mentoring and training by industry professionals;
- Study in a creative, project-based environment as you explore the relationship between art and technology;
- Learn in state-of-the-art facilities at both XJTLU's brand new Taicang campus (opening in 2021) and XJTLU's Suzhou campus with a purpose-built film school (opening in 2020);
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for roles such as creative producer, art director, interactive designer. Graduates may find employment in industries such as art, entertainment and Virtual Reality (VR). This programme also offers a solid foundation for pursuing further studies in the fields of film, games, heritage and simulation.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### MAJOR: COMPULSORY MODULES

ENGLISH LANGUAGE AND STUDY SKILLS III FOR HUMANITIES AND SOCIAL SCIENCES

FORM, INNOVATION AND CULTURE

INTRODUCTION TO STORYTELLING

ENTERTAINMENT TECHNOLOGY

MINOR PROJECT DESIGN AND DELIVERY

#### MAJOR: OPTIONAL MODULES

INTRODUCTION TO CAMERA AND LIGHTING

INTRODUCTION TO POST PRODUCTION

INTRODUCTION TO SOUND

INTRODUCTION TO EVENTS MANAGEMENT

DESIGN CONCEPT GENERATION

#### MINOR: COMPULSORY MODULES

INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP

ENTREPRENEURSHIP CONCEPTS AND PRACTICE

FUTUROLOGY AND BUSINESS OPPORTUNITIES

### YEAR THREE

#### MAJOR: COMPULSORY MODULES

FORM, INNOVATION AND AUDIENCE

PRODUCING FOR ENTERTAINMENT

#### MAJOR: OPTIONAL MODULES

TECHNOLOGY AND PERFORMANCE

IMMERSION AND VIRTUAL WORLDS

AUDIO LANDSCAPE DESIGN

IMAGE DESIGN, CREATION, MANIPULATION AND WORLD BUILDING

FILM AND TV CULTURE

EXPERIMENTAL FILM PRACTICES

ADAPTATION ACROSS THE MEDIA

MUSIC PROMO

INTRODUCTION TO DIRECTING

#### MINOR: COMPULSORY MODULES

LEADERSHIP AND COMMUNICATION

CORPORATE ENTREPRENEURSHIP

BUSINESS MODEL GENERATION

### YEAR FOUR

#### MAJOR: COMPULSORY MODULES

COMMERCIAL PROJECT DESIGN AND REALISATION

FINAL YEAR PROJECT: THE MOVING IMAGE

BUSINESS COACHING

#### MAJOR: COMPULSORY MODULES

CAPSTONE PROJECT

CUTTING-EDGE PRACTICE IN INNOVATION AND ENTREPRENEURSHIP



#### ATTENDANCE

Full time



#### 2+2 STUDY ABROAD

Not Available



#### DURATION

Four years



#### QUALIFICATION

XJTLU  
BA Arts, Technology and  
Entertainment

University of Liverpool  
BA(Hons) Arts, Technology  
and Entertainment with  
Contemporary  
Entrepreneurialism

# BEng INTERNET OF THINGS ENGINEERING

The Internet of Things refers to a highly integrated and comprehensive application of the new generation of information technology. It has become a driving force for technological revolution and industrial transformation around the world, and is a key engine for economic, social, green, intelligent and sustainable development.

Designed to meet the educational requirements of a BEng degree accredited by the British Computer Society and/or the Institution of Engineering and Technology, this programme will equip you with the skills needed to succeed in a range of industries that rely on the Internet of Things.

You will study a range of topics including computer networks, sensor technology, and RFID principle and application, as well as artificial-intelligence-related topics such as programming, data structure budgeting, machine learning, and pattern recognition.

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Internet of Things Engineering, you will have:

- an understanding of the basic theories of computer science and technology, electronic engineering, circuit and electronic technology, and wireless sensor networks;
- skills in Internet of Things design, research, use, maintenance and management ;
- the ability to acquire, store, retrieve and process system information; systematically grasp information methods, sensory positioning technology, and intelligent data analysis methods in physical systems; and conduct computer network research and engineering technology application in computer, communications, automation and electronics;
- industry knowledge of smart cities and the Internet of Things' role in their development ;
- high-level communication, interpersonal, problem-solving and analytical skills that are transferable across a range of careers and industries.

## WHY STUDY INTERNET OF THINGS ENGINEERING AT XJTLU?

- Benefit from XJTLU's strategic location in Taicang's High-Tech Development Zone with rapidly expanding technology-driven industries ;
- Gain practical experience with opportunities to apply your knowledge and skills in research and industry settings;
- Undertake a minor in entrepreneurship, giving you a competitive edge in whatever career path you choose;
- Study in purpose-built, state-of-the-art facilities in XJTLU's new Taicang campus (due to open in 2021);
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for careers in technology research and development in China and internationally. Graduates may find employment in technical, managerial or electronic engineering roles in the emerging industries related to the development of smart cities. The programme also offers a solid foundation for pursuing further studies.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### MAJOR: COMPULSORY MODULES

ENGLISH LANGUAGE AND STUDY SKILLS FOR INDUSTRIAL TECHNOLOGY

ENGINEERING MATHEMATICS I

COMPUTER ARCHITECTURE AND OPERATING SYSTEMS

ENGINEERING MATHEMATICS II

INTRODUCTION TO DATABASES

C++ PROGRAMMING & SOFTWARE ENGINEERING II

INTRODUCTION TO IOT

#### MAJOR: OPTIONAL MODULES

PROJECT MANAGEMENT

HUMAN RESOURCE MANAGEMENT IN CHINA

INTRODUCTION TO BUSINESS IN CHINA

MARKETING BASICS

INNOVATIVE THINKING AND ENTREPRENEURSHIP

#### MINOR: COMPULSORY MODULES

INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP

ENTREPRENEURSHIP CONCEPTS AND PRACTICE

FUTUROLOGY AND BUSINESS OPPORTUNITIES

### YEAR THREE

#### MAJOR: COMPULSORY MODULES

DATA STRUCTURE AND ALGORITHMS

INTRODUCTION TO NETWORKING

SENSORS TECHNOLOGY

CONTROL TECHNOLOGY OF IOT

INFORMATION SECURITY TECHNOLOGY OF IOT

GROUP PROJECT: IOT IN ACTION

#### MAJOR: OPTIONAL MODULES

RADIO COMMUNICATION PROTOCOLS

RF ENGINEERING AND APPLIED ELECTROMAGNETICS

SERVICE MANAGEMENT

DEMAND FORECASTING AND MANAGEMENT

MANAGING ACROSS BORDERS

INNOVATIVE ORGANIZATION MANAGEMENT AND LEADERSHIP

#### MINOR: COMPULSORY MODULES

LEADERSHIP AND COMMUNICATION

CORPORATE ENTREPRENEURSHIP

BUSINESS MODEL GENERATION

### YEAR FOUR

#### MAJOR: COMPULSORY MODULES

FINAL YEAR PROJECT (PHASE I AND II)

MACHINE LEARNING

WIRELESS SENSOR NETWORKS

PRINCIPLE AND APPLICATION OF RFID

#### MAJOR: OPTIONAL MODULES

BIG DATA ANALYTICS

CLOUD COMPUTING

IMAGE PROCESSING

#### MINOR: COMPULSORY MODULES

CAPSTONE PROJECT

CUTTING-EDGE PRACTICE IN INNOVATION AND ENTREPRENEURSHIP



### ATTENDANCE

Full time



### 2+2 STUDY ABROAD

Not Available



### DURATION

Four years



### QUALIFICATION

XJTLU

BEng Internet of Things Engineering

### University of Liverpool

BEng (Hons) Internet of Things Engineering with Contemporary Entrepreneurialism





# BEng INTELLIGENT MANUFACTURING ENGINEERING

This programme aims to equip you with the fundamentals of intelligent manufacturing engineering, an emerging industry driven by rapid technological advancements. You will develop the expertise and skills to address technical challenges in this field, as well the ability to think like an entrepreneur.

Graduates from this programme will meet the needs of a wide range of employers both within and outside the manufacturing sector due to the programme’s special focus on entrepreneurship and innovation.

Based at XJTLU’s brand new, purpose-built campus, the programme offers you an intellectually stimulating, rigorous, challenging and rewarding experience in dynamic, industry-linked learning environment.



### ATTENDANCE

Full time



### 2+2 STUDY ABROAD

Not Available



### DURATION

Three or four years



### QUALIFICATION

XJTLU

BEng Intelligent Manufacturing Engineering

### University of Liverpool

BEng (Hons) Intelligent Manufacturing Engineering with Contemporary Entrepreneurialism

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Intelligent Manufacturing Engineering (Taicang), you will have:

- an understanding of manufacturing processes and systems, materials, mechanics and dynamics, electronics, and artificial intelligence applications;
- comprehensive knowledge of manufacturing management, project management and innovation concepts and how to apply them in a practical setting;
- high-level communication, interpersonal, problem-solving and analytical skills that are transferable across a range of careers and industries.

## WHY STUDY INTELLIGENT MANUFACTURING ENGINEERING AT XJTLU?

- Benefit from XJTLU’s strategic location in Taicang’s High-Tech Development Zone with a rapidly expanding hi-tech manufacturing industry;
- Undertake a minor in entrepreneurship, giving you a competitive edge in whatever career path you choose ;
- Study in purpose-built, state-of-the-art facilities in XJTLU’s new Taicang campus (due to open in 2021) .
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for roles such as manufacturing process expert or systems engineer, and will be capable of taking responsibility for the technical operation of an intelligent production line. The programme also provides a solid foundation for further studies in the field of mechanical engineering, and manufacturing management.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### MAJOR: COMPULSORY MODULES

ENGLISH LANGUAGE AND STUDY SKILLS FOR INDUSTRIAL TECHNOLOGY

INTRODUCTION TO STRUCTURAL MATERIALS

ELECTRICAL CIRCUITS

ENGINEERING MATHEMATICS

ADVANCED LANGUAGE PROGRAMME DESIGN

THERMODYNAMICS

ENGINEERING DRAWING

FLUID MECHANICS

ELECTROMECHANICAL SYSTEMS

CUSTOMER ORIENTED MASS CUSTOMIZATION MODEL (HAIER)

#### MAJOR: OPTIONAL MODULES

HUMAN RESOURCE MANAGEMENT IN CHINA

INTRODUCTION TO BUSINESS IN CHINA

#### MINOR: COMPULSORY MODULES

INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP

ENTREPRENEURSHIP CONCEPTS AND PRACTICE

FUTUROLOGY AND BUSINESS OPPORTUNITIES

### YEAR THREE

#### MAJOR: COMPULSORY MODULES

PRINCIPLE OF MECHANICAL DESIGN

SENSORS AND INSTRUMENTATION

PNEUMATIC AND HYDRAULIC TECHNOLOGY

INTELLIGENT MANUFACTURING SYSTEM PLANNING AND DESIGN (HAIER)

ARTIFICIAL INTELLIGENCE AND DATA ANALYSIS

MANUFACTURING PROCESS

#### MINOR: COMPULSORY MODULES

LEADERSHIP AND COMMUNICATION

CORPORATE ENTREPRENEURSHIP

BUSINESS MODEL GENERATION

### YEAR FOUR

#### MAJOR: COMPULSORY MODULES

FINAL YEAR PROJECT - BASED ON INTERNSHIP (PROJECT STUDY REPORT)

INTELLIGENT MANUFACTURING INFORMATION SYSTEM (HAIER)

HAIER REN DAN HE YI MANAGEMENT MODEL(HAIER)

#### MAJOR: OPTIONAL MODULES

MANAGEMENT OF MANUFACTURING FIRMS

ADDITIVE MANUFACTURING

ROBOTICS AND AUTOMATIC SYSTEM INTEGRATED TECHNOLOGY

#### MINOR: COMPULSORY MODULES

CAPSTONE PROJECT

CUTTING-EDGE PRACTICE IN INNOVATION AND ENTREPRENEURSHIP

# BEng DATA SCIENCE AND BIG DATA TECHNOLOGY

With rapid developments in smart manufacturing, e-commerce, finance, and urban information, the fields of data, computer science, business, and finance are becoming increasingly interdependent.

Combining theories and methods from mathematics, data science, statistics, and computer science, this programme will equip you with the skills to analyse and harness large-scale data across a number of industries.

During your studies, you will explore scientific integration and reinterpretation of statistical analysis, system computing, and interdisciplinary science, providing you with a comprehensive knowledge system for the whole process of big data storage and analysis, as well as for the entire industry chain of data application.

## WHAT YOU WILL LEARN

By the time you graduate from the BEng Data Science and Big Data Technology, you will have:

- a solid foundation in mathematics, statistics and computer science;
- the ability to undertake big data processing using a variety of computing platforms and statistical software for the collection, management, analysis and mining of big data;
- high-level communication, interpersonal, problem-solving and analytical skills that are transferable across a range of careers and industries.

## WHY STUDY DATA SCIENCE AND BIG DATA TECHNOLOGY AT XJTLU?

- Benefit from XJTLU's strategic location in Taicang's High-Tech Development Zone with rapidly expanding technology-driven industries;
- Gain practical experience with opportunities to apply your knowledge and skills to research and industries;
- Undertake a minor in entrepreneurship, giving you a competitive edge in the many career paths you may choose;
- Study in purpose-built, state-of-the-art facilities in XJTLU's new Taicang campus (due to open in 2021);
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for both technical and managerial roles in companies and public institutions in the data-driven information technology fields in a range of sectors, including financial and insurance, manufacturing and service, health care and urban planning. This programme also provides a solid foundation for further studies or a career in research.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### MAJOR: COMPULSORY MODULES

ENGLISH LANGUAGE AND STUDY SKILLS III FOR MATHEMATICS  
ADVANCED SKILLS FOR ACADEMIC SUCCESS  
INTRODUCTION TO DATABASES  
INTRODUCTION TO PROBABILITY AND STATISTICS  
ARTIFICIAL INTELLIGENCE  
INTRODUCTION TO BIG DATA  
PROGRAMMING WITH C++/R  
COMPUTER ARCHITECTURE AND OPERATING SYSTEMS  
NUMERICAL METHODS

#### MINOR: COMPULSORY MODULES

INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP  
ENTREPRENEURSHIP CONCEPTS AND PRACTICE  
FUTUROLOGY AND BUSINESS OPPORTUNITIES

### YEAR THREE

#### MAJOR: COMPULSORY MODULES

DATABASE DEVELOPMENT AND DESIGN  
PATTERN RECOGNITION  
FUNDAMENTALS OF PARALLEL COMPUTING  
DESIGN AND ANALYSIS OF ALGORITHMS  
DATA VISUALISATION  
APPLIED LINEAR STATISTICAL MODELS  
HIGH-PERFORMANCE COMPUTING

#### MINOR: COMPULSORY MODULES

LEADERSHIP AND COMMUNICATION  
CORPORATE ENTREPRENEURSHIP  
BUSINESS MODEL GENERATION

### YEAR FOUR

#### MAJOR: COMPULSORY MODULES

DATA MINING  
BIG DATA SECURITY AND ANALYTICS  
CLOUD COMPUTING  
MACHINE LEARNING  
FINAL YEAR PROJECT

#### MINOR: COMPULSORY MODULES

CAPSTONE PROJECT  
CUTTING-EDGE PRACTICE IN INNOVATION AND ENTREPRENEURSHIP



# BEng INTELLIGENT ROBOTICS ENGINEERING

Robotic systems have become essential in nearly every field, from modern electrical power systems to space exploration; from medical services to household applications.

The BEng Intelligent Robotics Engineering is a new cutting-edge programme designed to meet the fast-growing demands in our society for intelligent robotics systems. You will learn and apply knowledge and technologies in mechanical engineering; electrical and electronics engineering; control engineering and scientific computing, as well as those related to new advancements in science and technology such as artificial intelligence and machine learning.

During your studies, you will benefit from XJTLU's collaboration with industry partners in the field of robotics and study in an integrated, industry-focussed environment with close links between teaching, learning and real engineering applications.



**ATTENDANCE**  
Full time



**QUALIFICATION**  
XJTLU  
BEng Robotics Engineering



**2+2 STUDY ABROAD**  
Not Available

**University of Liverpool**  
BEng (Hons) Intelligent  
Robotics Engineering  
with Contemporary  
Entrepreneurialism



**DURATION**  
Four years

\* Note: this programme is awaiting final approval by the University of Liverpool.

## WHAT YOU WILL LEARN

By the time you graduate from the BEng in Intelligent Robotics Engineering, you will have:

- a solid understanding of the key concepts and theories in electronic, electrical, mechanical and mechatronic engineering, as well as in the field of computer science;
- comprehensive knowledge of technologies related to robotics, including signal processing, electronics (analogue and digital), micro-processing systems, control systems, and mechanical engineering (engineering structures, engineering design, manufacturing) and the ability to apply these technologies in a practical setting;
- high-level communication, problem-solving and leadership skills that are transferable across a range of careers and industries;
- hands-on industry experience gained through site visits and work placements

## WHY STUDY INTELLIGENT ROBOTICS ENGINEERING AT XJTLU?

- Study in cutting-edge robotics and mechatronics laboratories equipped with the tools to work on robot-based projects such as industrial robots, autonomous robots and bioinspired robots;
- Use and master state-of-the-art industrial software and hardware platforms to put acquired knowledge into practice, and to invent, design, develop, analyse, and operate robotics and other mechatronic systems;
- Study in an integrated learning environment that combines lectures, seminars and projects with industry site visits, hands-on workshops and internships;
- Gain leadership and entrepreneurship skills, giving you a competitive edge in whatever career path you choose;
- Earn two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised 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 for careers in a range of local, national, and international engineering companies due to their well-rounded, multidisciplinary, and high-calibre engineering education. The programme also provides a solid foundation for further studies at masters and PhD levels in fields such as robotics, mechatronics, control and intelligent systems.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

**MAJOR: COMPULSORY MODULES**

ENGLISH LANGUAGE AND STUDY SKILLS III FOR ENGINEERING

ENGINEERING MATHEMATICS I

ELECTRICAL CIRCUITS (II)

ENGINEERING DRAWING

C/C++ PROGRAMMING LANGUAGE

ENGINEERING MATHEMATICS II

ELECTRONIC CIRCUITS – ANALOGUE AND DIGITAL

INTRODUCTION TO MECHATRONICS

INTRODUCTION TO INTELLIGENT ROBOTICS AND APPLICATION

**MINOR: COMPULSORY MODULES**

INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP

ENTREPRENEURSHIP CONCEPTS AND PRACTICE

FUTUROLOGY AND BUSINESS OPPORTUNITIES

### YEAR THREE

**MAJOR: COMPULSORY MODULES**

PROJECT, PROBLEM SOLVING AND SUSTAINABILITY IN ROBOTICS

DYNAMIC SYSTEMS

SENSORS AND INSTRUMENTATION

MECHANICAL ENGINEERING DESIGN

MICROPROCESSOR SYSTEMS

MOBILE ROBOT DESIGN

PROGRAMMABLE LOGIC CONTROLLERS AND NETWORK COMMUNICATIONS

EMBEDDED COMPUTER SYSTEMS

**MINOR: COMPULSORY MODULES**

LEADERSHIP AND COMMUNICATION

CORPORATE ENTREPRENEURSHIP

BUSINESS MODEL GENERATION

### YEAR FOUR

**MAJOR: COMPULSORY MODULES**

FINAL YEAR PROJECT

SYSTEM DESIGN IN ROBOTICS

ROBOT MODELLING AND CONTROL

MACHINE LEARNING

COMPUTER VISION SYSTEMS

PRINCIPLE OF INTELLIGENT CONTROL

ROBOT OPERATING SYSTEM FOR ROBOTICS PROGRAMMING

**MINOR: COMPULSORY MODULES**

CAPSTONE PROJECT

CUTTING-EDGE PRACTICE IN INNOVATION AND ENTREPRENEURSHIP



# BSc INTELLIGENT SUPPLY CHAIN

The BSc Intelligent Supply Chain programme integrates application and practice, providing you with a cutting-edge education in supply chains in the era of artificial intelligence.

You will study theories in strategies, processes, information systems, financial support systems, model simulation, and artificial intelligence optimisation in operations and supply chain, and receive training in supply chain management and optimisation.

In addition, you will benefit from XJTLU’s collaboration with industry partners in the field of intelligent supply chain, gaining a solid understanding of how the supply chain shapes the sales and profit potential of a business, and the role technology can play in revolutionising supply chain management practices around the world.



**ATTENDANCE**  
Full time



**QUALIFICATION**  
XJTLU  
BMan Supply Chain  
Management



**2+2 STUDY ABROAD**  
Not Available



**DURATION**  
Four years

**University of Liverpool**  
BSc (Hons) Intelligent Supply  
Chain with Contemporary  
Entrepreneurialism

## CAREERS AND FURTHER STUDY

Graduates from this programme will be well-prepared to reach senior managerial positions or become an operations or supply chain management strategist in top national and international organisations. You will not only have specialised knowledge but also possess a wide range of skills that will place you in a highly prized position in your future work place.

## WHAT YOU WILL LEARN

By the time you graduate from the BSc Supply Chain Innovation and Application (Taicang), you will have:

- a comprehensive and in-depth theoretical foundation of supply chain management
- the ability to use the technology in supply chains to solve the practical problems of supply chain operations under modern emerging business models
- a global perspective on supply chain management, as well as a deep insight into the industry within China
- the ability to combine theory, practice and critical thinking to find innovative business solutions
- comprehensive knowledge of entrepreneurship and leadership, project management and innovation concepts and how to apply them in a practical setting
- high-level communication, interpersonal, problem-solving and analytical skills that are transferable across a range of careers and industries.

## WHY STUDY SUPPLY BSC INTELLIGENT SUPPLY CHAINAT XJTLU?

- Be part of a unique educational experience, preparing you to work in fast paced, rapidly changing, smart technology driven industries
- Benefit from XJTLU's strategic location in Taicang's High-Tech Development Zone with rapidly expanding technology-driven industries
- Learn through practical application, using your knowledge and skills in solving real problems in research and industry settings
- Benefit from mentoring and training from industry experts as part of the unique industry-themed schools partnerships with leading businesses
- Gain valuable entrepreneur and leadership skills through studying on the unique contemporary entrepreneur modules that are part of the degree, , giving you a competitive edge in whatever career path you choose
- 600 hours of problem-based internship experience as part of the degree programme
- Study in purpose-built, state-of-the-art facilities in XJTLU's new Taicang campus (due to open in 2021)
- Graduate with world class qualifications, including two degrees: an XJTLU degree from the Chinese Ministry of Education and a globally recognised degree from the University of Liverpool, a member of the Russell Group of leading UK universities.

## MODULES

### YEAR ONE

UK degrees are three years long whereas in China they are four, therefore we do accept students with certain qualifications directly into Year Two, which is the start of the main academic programme. Most students, however, enter into Year One, which provides you with a range of interesting modules, language classes and core skills for your degree.

### YEAR TWO

#### MAJOR: COMPULSORY MODULES

ENGLISH LANGUAGE AND STUDY SKILLS 3 FOR BUSINESS
ANALYTICAL TOOLS IN MANAGEMENT SCIENCE
SUPPLY CHAIN OPERATIONS MANAGEMENT
MANAGERIAL ACCOUNTING ESSENTIALS
PRODUCTION PLANNING AND CONTROL
DEMAND FORECASTING & MANAGEMENT
INFORMATION SYSTEMS MANAGEMENT
SUPPLY CHAIN INNOVATION AND TECHNOLOGIES

#### MAJOR: OPTIONAL MODULES

PROJECT MANAGEMENT
MANAGING ACROSS BORDERS
FUNDAMENTALS OF MARKETING
ADVANCED PROGRAMMING SKILLS

#### MINOR: COMPULSORY MODULES

INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP
ENTREPRENEURSHIP CONCEPTS AND PRACTICE
FUTUROLOGY AND BUSINESS OPPORTUNITIES

### YEAR THREE

#### MAJOR: COMPULSORY MODULES

INVENTORY AND WAREHOUSE MANAGEMENT
ENTERPRISE RESOURCE PLANNING (SAP)
PURCHASING AND NEGOTIATION
FUNDAMENTALS OF FINANCE
QUALITY MANAGEMENT AND LEAN SIX SIGMA
LOGISTICS AND DISTRIBUTION
SUPPLY CHAIN FINANCE

#### MAJOR: OPTIONAL MODULES

LEAN THINKING
SERVICE MANAGEMENT
DATA MINING APPLICATIONS
PROCESS MANAGEMENT
VALUE CHAIN ANALYSIS
SUPPLY CHAIN RISK MANAGEMENT
INNOVATIONS IN INDUSTRIAL INTERNET

#### MINOR: COMPULSORY MODULES

LEADERSHIP AND COMMUNICATION
CORPORATE ENTREPRENEURSHIP
BUSINESS MODEL GENERATION

### YEAR FOUR

#### MAJOR: COMPULSORY MODULES

FINAL YEAR PROJECT
SUPPLY CHAIN MODELLING AND OPTIMISATION
STRATEGIC MANAGEMENT AND POLICY
BUSINESS LAW AND REGULATIONS
OPERATIONS AND SUPPLY CHAIN STRATEGIES
E-COMMERCE

#### MAJOR: OPTIONAL MODULES

MARITIME LOGISTICS
FOOD SUPPLY CHAIN AND SAFETY
AUTOMOTIVE AND AEROSPACE SUPPLY CHAINS
SUPPLY CHAIN ENVIRONMENT MANAGEMENT
SEMICONDUCTORS & ELECTRONICS SUPPLY CHAINS
RETAIL AND SERVICE SUPPLY CHAINS

#### MINOR: COMPULSORY MODULES

CAPSTONE PROJECT
CUTTING-EDGE PRACTICE IN INNOVATION AND ENTREPRENEURSHIP



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## SUZHOU MAP

-  SHOPPING & RESTAURANTS
-  STUDENT ACCOMMODATION

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