

BENG

ARCHITECTURE

建筑学

XJTLU | BENG
ARCHITECTURE

CAREERS

With a dual degree, RIBA validation, and strong communication skills developed through English language support and Chinese courses for international students, opportunities for postgraduate studies and professional careers in China and internationally are endless.

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*. The students can then bypass the application process upon graduation and become professional architects earlier in their careers.

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

START DATE
September 2021

2+2 STUDY
Available

DURATION
Three or four years

LOCATION
Suzhou

SCHOOL
Design School

ATTENDANCE
Full time

QUALIFICATION
XJTLU
BEng Architecture

University of Liverpool
BEng Architecture(hons,4+0)
BA Architecture(hons,2+2)

ACCREDITATION
RIBA Part 1

Xi'an Jiaotong-Liverpool University
西交利物浦大学

BENG ARCHITECTURE

The BEng Architecture programme provides you with a comprehensive foundation in architecture. Through architectural design tasks you will develop an understanding of the importance of human needs and desires, as well as creative and responsible solutions.

2+2+2 ROUTE

2+2+2 is a new entry system designed especially for the XJTLU's BEng Architecture programme to retain and attract the best graduate students from the XJTLU and the University of Liverpool respectively.



RIBA
Royal Institute of
British Architects

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

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 SHOULD I 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
- Learn from award-winning international academics and highly-engaged technicians
- 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
- Experience an architecturally outstanding location, famous for its classical UNESCO World Heritage gardens and architecture and 30 minutes by train from Shanghai.
- 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.



建筑学

建筑学主要是一门有关建筑设计的学科。建筑专业的学生能够解决满足人类室内活动需求的建筑设计、建筑环境和能耗、建筑技术和结构以及协调室内室外环境需求等方面的复杂设计问题。建筑师是唯一受到建筑学全方面训练的人材。

扫描二维码

获取更多专业信息



<https://www.xjtlu.edu.cn/zh/study/undergraduate/architecture>



知识与技能

毕业生将获得以下几个方面的知识和能力:

- 熟练和创造性地运用模拟和数字设计工具
- 理解城市空间的形成与改造的过程, 结构和工程概念, 建成环境控制和建筑学职业实践的相关知识
- 能够提出具有竞争力的、有创造性的、批判的设计方案, 并运用一系列交流方法和媒介清晰有效地表达设计提案
- 理解中国和国际背景下的建筑历史和理论知识, 以及对建筑师在建筑行业中的作用
- 能够通过评估论据、论点和假说, 作出对建筑设计及相关领域论述的合理判断

专业特色

- 西交利物浦大学建筑系建筑学本科课程获得英国皇家建筑师学会 (RIBA) 第一阶段认证, 可以报名参加“全球专业建筑师”第二阶段验证的硕士课程
- 提供国内外实地考察、实习和学习的机会, 可以选择在英国利物浦大学完成大三大四课程或在意大利都灵理工大学完成大二的课程
- 有机会与世界知名建筑师、嘉宾演讲者共同参与到本地或全球的工作坊、展览、竞赛及会议中
- 向屡获殊荣的国际学者和高度敬业的专业人士学习
- 享受世界一流的设施, 包括全天候开放的专用设计工作室, 材料库, 以及配备打印机、激光切割机、机器人手臂和3D打印机的制造和印刷室
- 学生作品有机会发表至建筑系年刊上, 或在院系每年举办的展览上展出
- 学校位于苏州, 拥有得天独厚的建筑环境, 以其经典的联合国教科文组织世界遗产花园和建筑而闻名, 火车30分钟可达上海
- 毕业生可获得中国教育部认可的西交利物浦大学学位和国际认可的利物浦大学学位

就业

本专业毕业生在就业和继续深造过程中表现优异。目前为止我们的大多数毕业生选择在海外继续深造; 其中约20%被全球建筑领域一流院校录取, 如宾夕法尼亚大学、伦敦大学学院巴特莱特建筑学院、悉尼大学、麦吉尔大学、米兰理工大学、新加坡国立大学等。本专业毕业生亦在国内外知名建筑事务所开始职业生涯, 如大卫·奇普菲尔德事务所、童明建筑工作室、Farrells、矶崎新建筑事务所、奥雅纳Arup等。

毕业生拥有双学位、RIBA认证, 以及由中英双语课程培养的沟通能力, 在国内外继续学习或工作的机会是无穷无尽的。此外, 西交利物浦大学在大一期间向学生提供了直接申请成为建筑设计硕士的条件*, 使学生可在毕业时跳过申请流程, 在职业生涯早期即成为专业建筑师。

*最终的注册和升级需要完成所有必要课程的要求并满足升读标准

课程

第一学年

在英国, 本科阶段学习学制三年, 而中国本科阶段学制为四年。因此, 对于已获得相应学时、证书的学生, 在我校可以直接升入二年级进行专业学习; 大多数学生则是进入一年级学习, 包括众多有吸引力的课程, 语言课程以及专业学习相关的核心技能学习。

建筑与视觉文化
建筑表达与交流
其他学校要求的课程

第二学年

二年级将为后续学习打下坚实的基础, 你将学习到建筑历史和理论, 建筑结构、建筑构造与材料和建筑环境科学。

设计专业课相关课程将会教你建筑空间和小型建筑的表达、建模和设计。

设计专业课: 设计思维与表达
设计专业课: 小型空间设计
设计专业课: 小型建筑设计
西方建筑史
建筑结构与材料
建筑环境导论
建筑施工与材料
建筑人文与文化

开始时间
2021年09月

2+2 留学模式
可选

学制
四年

学习地点
苏州

教学形式
全日制

学院
设计学院

学位证书
西交利物浦大学
建筑学

利物浦大学
BEng Architecture (hons,4+0)
BA Architecture (hons,2+2)

认证
RIBA Part 1

第三学年

在三年级, 你将开始参与在更具挑战的具体城市环境中的设计项目, 并将继续学习建筑技术和建筑与城市发展的历史和理论。

设计专业课: 设计与建筑类型学
设计专业课: 小型城市建筑
可持续建筑环境
亚洲建筑史
建筑结构设计
城市研究

第四学年

在最后一年, 你已经具备将最初设想转化为建筑设计的能力, 并可以综合考虑建筑使用者的需求、期望以及结构、材料和环境等因素。

设计专业课将运用到数字设计, 建筑技术、理论、美学和职业实践等相关知识。在四年级, 你将有机会从多个设计课题中, 选择自己感兴趣的项目。

设计专业课: 中小型建筑设计
设计专业课: 毕业设计
建筑技术
建筑理论
建筑学职业实践
艺术和美学哲学

BENG ARCHITECTURE 建筑学

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). In their last accreditation report, the RIBA board commended the ambitious vision of the department and the university, the dedication of the staff and the provision of “exceptional workshop facilities, studios and resources”, as well as the diversity and richness of the design briefs. In previous visits the department was also praised 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”, and for promoting an “alternative model for Chinese architecture education [...] challenging both Western and Chinese educational paradigms for architecture and design”.

本专业为学生打下建筑领域的综合基础。课程以渐进式设计工作室为中心, 学生们面临各种规模的设计, 从小型建筑到城市维度, 以及可持续性问题的各个方面和影响。

除此之外, 每学期的课程将涵盖从建筑理论、艺术哲学, 到材料及建筑环境设计, 从城市研究到专业实践。与其他专业不同的是, 亚洲和西方的建筑历史在课程中占有同样重要的比重。

西交利物浦大学建筑系建筑学本科课程是开设该专业的同类大学中首个获得英国皇家建筑师学会 (RIBA) 认证的中国大学。在最新的认证报告中, 英国皇家建筑师学会委员会盛赞了西交利物浦大学和建筑与设计系的宏伟愿景、教职人员的奉献精神, “优越的工作坊设施、工作室和专业资源”, 以及丰富多样的设计作品。在之前访问建筑与设计系时, 委员会也称赞我们“为学生创造了一个中西文化交汇的独特学习环境, 有志于培养新型毕业生, 着眼新兴国际趋势, 打造以人为本的建筑”, “为中国建筑教育创造了新的模式”, 同时还提到建筑与设计系“敢于挑战中西方建筑与设计教育范式, 这是一个远大的目标”。师学会委员会盛赞了西交利物浦大学和建筑与设计系的宏伟愿景、教职人员的奉献精神, “优越的工作坊设施、工作室和专业资源”, 以及丰富多样的设计作品。在之前访问建筑与设计系时, 委员会也称赞我们“为学生创造了一个中西文化交汇的独特学习环境, 有志于培养新型毕业生, 着眼新兴国际趋势, 打造以人为本的建筑”, “为中国建筑教育创造了新的模式”, 同时还提到建筑与设计系“敢于挑战中西方建筑与设计教育范式, 这是一个远大的目标”。