

# BENG INDUSTRIAL DESIGN

## 工业设计

XJTLU | BENG  
INDUSTRIAL DESIGN

## CAREERS

You will be well equipped to thrive across the ever-expanding landscape of design, which includes not only industrial and product design but also interaction, experience, and service design. You can join research and development teams in multinational enterprises, work as a design consultant or freelance professional, or carve your own path as an entrepreneur. The strong cross-cultural profile of our programme further enhances your ability to adapt and succeed in international markets. In addition, you will build a solid foundation for postgraduate study, a path many of our graduates pursue around the world, or for professional roles that demand conceptual thinking, communication skills, and a keen appreciation for creativity, innovation, and user driven insights.



**START DATE**  
September 2025



**SCHOOL**  
Design School



**2+2 STUDY**  
Available



**QUALIFICATION**  
XJTLU  
BEng Industrial Design



**DURATION**  
Three or four years

University of Liverpool  
BEng Industrial Design



**LOCATION**  
Suzhou



**ACCREDITATION**  
Chartered Society of  
Designers (at XJTLU)



**ATTENDANCE**  
Full time

## BENG INDUSTRIAL DESIGN

The Chinese design industry is growing exponentially and rapidly transforming global markets with creative “designed-in-china” products for international consumers. The studio-based practice of the BEng Industrial Design programme examines, explores and acts on this context of global design innovation through research-led knowledge acquisition, socio-cultural discovery and mapping, creative processes, experimentation with materials and technology, technical execution and visual communication.



For information on entry requirements and how to apply, scan the QR code or follow the link below to visit the programme website.

<https://www.xjtlu.edu.cn/en/study/undergraduate/industrial-design>

## KNOWLEDGE AND SKILLS

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

- Ability to use creative skills for the development and production of products, consumer goods and interactive designs and furniture design.
- Understanding how technology innovation and adaptive systems can be integrated into future products
- User research processes to explore and design for user-experience in different markets and consumer contexts
- Awareness of cross-cultural aspects of designing for the Chinese market and other contexts
- Knowledge of materials structure and specification for high volume manufactured products
- Marketing and practical model-making skills in presenting design development processes.
- Visual Language and Form development to build presentations through development processes.

## WHY SHOULD I STUDY INDUSTRIAL DESIGN AT XJTLU?

- Learn how to interpret user values into visually creative design solutions, for product design, furniture design, interaction design and spatial contexts.
- Integrate professional prototyping and manufacturing processes with the latest 3D printers, CNC-machines, adaptive systems and sensors for interactive product design applications.
- 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.



# 工业设计

工业设计师融合远见与创意，将概念转化为成功的产品与服务。试想一下，增强现实App可以帮助新一代的家庭设计他们未来的汽车，抑或是智能外骨骼机器人帮助行动不便的老人自主行走等等无限可能。



扫描二维码

获取更多专业信息

<https://www.xjtlu.edu.cn/en/study/undergraduate/industrial-design>



## 知识与技能

通过工业设计专业的学习，毕业时学生将具备：

- 了解物质产品、消费品、交互产品和服务的设计与开发中的技术方法和创新技能；
- 了解影响产品和服务设计的社会、文化与历史内涵；
- 了解中国及其他地区的跨文化设计；
- 具备创新精神、创造能力和理性思维；
- 掌握用户研究、可视化和建模的技能；
- 掌握对物质产品和交互服务的设计能力；
- 掌握从概念的构思到成型的整个设计流程。

## 为什么要选择西浦工业设计专业？

- 学习如何将用户需求转化为具有良好可行性的设计方案；
- 探索最先进的实验设备，如3D打印机、激光切割机、数控机床等；
- 有机会加入本地与跨国企业的工业设计合作项目中，获得企业实习的机会；
- 学校坐落于苏州，是中国最具多元文化特征的城市之一，其国际领先的高新技术企业与丰厚的传统文化底蕴为工业设计专业学习提供了独特的最佳视角；
- 毕业生将同时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

设计领域不仅包括工业和产品设计，还包括交互、体验和服务设计。毕业生能够加入跨国企业的研发团队，担任设计顾问或自由职业者，或者开辟自己的创业之路。我们的课程具有很强的跨文化特征，能进一步提高毕业生在国际市场上适应和取得成功的能力。此外，我们还将为毕业生攻读研究生打下坚实的基础，或从事需要概念性思维、沟通技能以及对创造力、创新和用户驱动型洞察力的敏锐鉴赏力的专业工作。

## 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。

### 第三学年

#### 核心课程

人机交互概论

工作室4: 现场项目和比赛

以用户为中心的研究

工业设计电子产品

可制造性设计

人体工学

工作室3: 市场设计

### 第二学年

#### 核心课程

工作室 1 - 设计原则

流体力学和热力学

设计材料

静力学和固体

计算机辅助设计和建模（三维）

工业设计史

设计沟通

工作室 2: 概念与互动

工程微分方程

### 第四学年

#### 核心课程

可持续设计

工业设计中的文化与理论

毕业设计

设计策略与道德

专业设计实践

工作室 5: 高级练习

The Chinese economy is rapidly transforming markets worldwide with creative ideas that are ‘Designed-in-China’ for international consumers. The Design Studio-Practice BEng Industrial Design programme provides a creative approach that integrates visual design with materials and technology, user interaction, socio-cultural context and innovative business models.

Students work in well-invested studios, workshops and fablabs. They start by learning how to develop ideas and concepts through visual research and sketching, which they progress through prototyping and testing. This is enabled by access to traditional and innovative prototyping facilities, such as 3D scanning and printing and laser cutting.

In addition to technical skills, students learn about the social and commercial roles of design, design theories, business models and how to think about users. Indeed, being a designer these days is as much about visual creativity as it is about social responsibility. Designing for a global sustainable future is part of the XJTLU ethos.

Students are taught by renowned international designers and thinkers. They also have access to local and international networks of designers and manufacturers through extra-curricular activities and the networks of the staff team. Internships and placements are a fundamental part of learning. The mix of both academic and professional expertise, together with specialist technical resources, forms a rich experience to establish your profile as an Industrial Designer.

工业设计师融合远见与创意，将概念转化为成功的产品与服务。试想一下，增强现实App可以帮助新一代的家庭设计他们未来的汽车，抑或是智能外骨骼机器人帮助行动不便的老人自主行走等等无限可能。

中国的经济正在飞速地从“中国制造”转变为“中国创造”。在此进程中，对于设计师的需求量将会大大增加。本专业的学习以工作室为中心，培养学生分析问题及综合解决问题的能力，成为能兼顾工程与人文的新一代工业设计师。作为一门跨学科专业，工业设计融合了工程、设计、人机交互、商学、人类学和美学等多方面的理论与实践。

西交利物浦大学工业设计专业具备高度国际化的特色，吸收并利用最佳的实践活动和最新的发展趋势，赋予学生融合中西文化优势、实现创新设计的能力，并让学生有机会接触本地企业和跨国企业，通过实际的企业合作设计项目获得实践经验。