

Joint Degree Programme of Fudan University and University College Dublin (UCD)

MSc Software Engineering (Professional Degree)

Fudan University

The Software School of Fudan University, founded in 2002, is one of the original 37 national demonstration software schools. By design, the school is to cater to the needs of the information technology training in the Internet era, and puts efforts to build a comprehensive curriculum that ranges from underlying system software to application layer and business applications. Today, the school is home to a software engineering laboratory, a broadband network and interactive multimedia laboratory, an e-commerce research center, an interactive graphics lab, a parallel processing institute, a cryptography and information security research lab, a public performance and information technology research center, a CC-CMM international standard research center, a data analysis and security laboratory, and other research labs.

The Fudan MSc in Software Engineering programme offers systematic training for students who want to start a career of engineers and managers in IT and Internet industry. The programme provides a series of specialized courses such as Formal Program Construction, Practical Software Development, Electronic Commerce, Advanced Database, Advanced Topics in Software Engineering, Requirements Engineering, and Distributed Computing. All the courses are taught in English by lecturers from Fudan and UCD.

University College Dublin

Ireland is home to the world's top 10 technology companies. It is known as the Internet and Games Capital of Europe and is among the world's most technologically developed nations. There are excellent job opportunities, with 5,000 job vacancies in the sector at present.

The UCD MSc in Software Engineering is a uniquely flexible and innovative programme. It offers a negotiated learning (NL) model for students with an ICT background that allows students to customize their learning paths and to tailor what they learn to their own specific needs and career aspirations. Module choices include several programming languages, cloud computing, bioinformatics, data mining, machine learning and robotics.

Once accepted into the programme, students will be guided through a training needs assessment to establish their prior experience, personal knowledge gaps and career plans. The students have the option to select modules with a very specific thematic focus or they may select modules from one of the pre-defined thematic streams covered by the programme. The current module offerings can be explored by visiting <http://www.csi.ucd.ie/content/module-offerings>

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Fudan University and UCD wish to provide students with a joint programme allowing for credit transfers between Fudan and UCD contributing to the award of Masters Degree of Software Engineering from Fudan University, and Masters Degree of Software Engineering from UCD. Fudan and UCD have been working closely together for over 13 years providing an international dimension to education.

Training Methods

Study Period: two and a half years.

The joint programme consists of three parts:

One year of study at Fudan University to finish all the courses required for Fudan degree, which include at least 10 UCD-equivalent credits that are taught by UCD staff or approved by UCD, and will be accredited in Phase 2 by UCD;

One year of study at UCD to finish all the courses required for UCD degree; Practical training experience at UCD is accredited by Fudan.

A half-year at either UCD or Fudan for the preparation and defense of a thesis for the Fudan degree.

Highlights

This joint programme will provide a systematic arrangement of specialized practice (industrial practice or academic practice) for each student. Each student is required to make a plan for practice arrangement in his/her first term in Fudan and complete the practice arrangement in the following periods at Fudan and UCD. An industrial practice arrangement includes an integrated internship in IT or Internet companies that have research and development centers in both Ireland and Shanghai. An academic practice arrangement includes one or more research or engineering projects that are co-advised by Fudan professors and UCD professors.

Core Courses

Degree courses	Professional elective courses
Formal Program Construction (形式化程序构造) For UCD Lecturers	Advanced Topics in Software Engineering (软件工程高级专题) For UCD Lecturers
Practical Software Development (实践软件开发)	Distributed Computing (分布式计算)
Advanced Database (高级数据库)	

APPLYING

Application fee: 800 RMB

Students need to pay Tuition fees to Fudan University and UCD separately.

Fudan Fees and Scholarships:

Tuition to Fudan (for reference): 80,000 RMB (total)

★Final tuition criteria are subject to enrolment pricing.

The programme at Fudan offers limited scholarships for the full-time students in the programme.

UCD Fees and Scholarships:

Tuition to UCD: €16,000

Tuition fee information is available on www.ucd.ie/fees.

Please note that UCD offers a number of postgraduate scholarships for full-time, self-funding international students, holding an offer of a place on master's programmes.
Please visit www.ucd.ie/international/scholarships for further information.

Application Requirements:

Applicant must not be a Chinese citizen, and be in good mental and physical health, and hold an honour degree (2.1) Bachelor's degree (GPA minimum 3.08) in Computer Science or Software Engineering or related certificate.

Language Requirement:

Students will be required to successfully demonstrate that they have English language proficiency to a level deemed appropriate by both universities. For the UCD phase, UCD requires the equivalent of a minimum of IELTS 6.5 with each component at level 6.0 or better.

Application periods: Please refer to the admission brochure of every year to ensure the exact date

Please pay close attention to the webpage for details: <http://iso.fudan.edu.cn/xuewei.htm>

How to apply:

Please refer to the webpage for the newest postgraduate admission brochure.

URL: <http://iso.fudan.edu.cn/xuewei.htm>

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