



学历项目

汉语言本科（经贸方向）

专业介绍

本专业培养能熟练运用汉语交流工作的专门人才，突出强调培养国际学生从事涉华国际经济贸易工作的汉语应用能力以及继续深造的汉语水平及专业研究能力。

主要课程

通识及公共基础课	中国概况、中国文化、中国文学和经典导读、中文电脑编辑、第二外语（英语/日语）、体育
专业基础课	汉语综合、听力、口语、阅读、写作；新闻听力、商务口语交际、经贸应用写作
专业及专业方向课	语音基础、词汇理论、语法通论、汉字概论、汉语修辞、经济学基本原理、当代中国经济、经贸洽谈、国际贸易实务、国际贸易理论等
选修与第二课堂	商务汉语、语法讲练、HSK辅导、中国文化系列讲座、太极拳、太极扇、书法、国画、剪纸、有趣的汉字

实践活动

语言文化实践	大连地域文化考察、辽宁省文化胜地实地考察、中国境内名胜古迹实地考察与语言实践
日常课外活动	汉语演讲比赛、汉语才艺晚会、国际文化节、运动会、校园嘉年华、学生社团活动；中国旅游考察活动（学院组织，自愿参加，费用自理）
社会实践	参观考察大中型企业，专业实习；推荐、介绍、联系到专业相关单位实习

入学日期

新生：每年9月（秋季学期）
插班生：3月入学（春季学期）

费用标准（人民币）

学费	报名费	插入年级	插班考试费
19,500/年	800	一年级（下）插班	1,750
		二年级插班	3,500

申请入学时间

每年7月10日前

申请条件

- 1. 非中国籍公民；
 - 2. 身体健康，年龄在18-25周岁；
 - 3. 具有高中毕业学历；
 - 4. 新HSK四级180分以上或持有半年以上汉语学习证明和成绩单；
 - * 持有半年以上国内外大学汉语言专业学习证明和成绩单，新HSK四级200分以上，入学考试达到录取标准，可在春季录取为一年级学生；
 - * 持有一年以上国内外大学汉语言专业学习证明和成绩单，新HSK四级220分以上，入学考试达到录取标准，可在秋季录取为二年级学生；
- ※年龄在18周岁以下，高中毕业，在中国境内（大连市）有监护人亦可报名。



申请入学方式

- 1、在我院网站进行在线申请，
在线申请网址：<http://iso.dlut.edu.cn/>
- 2、在线提交高中毕业证、成绩单、HSK证书、照片1张、财产证明、无犯罪证明、体检表、护照复印件和签证空白页。



Degree Programs

Chinese Language Major (Bachelor Program)

Introduction

This major is a four-year degree program, and it emphasizes the practical use of Chinese in international enterprise management and international business and trade. The international students are expected to have a command of Chinese knowledge and skills which are required in business and trade. This program aims to cultivate advanced and applied talents in Chinese to meet the needs of the international market.

Main Courses

Basic Courses	Survey of China, Chinese Culture, Guide to Chinese Culture and Classics, Chinese Computer Editing, Second Foreign Language (English/Japanese), Physical Education
Compulsory Courses	Comprehensive Chinese, Listening, Oral Chinese, Reading, Writing News Listening, Oral Chinese for Business, Business Writing
Core Courses	Pronunciation, Lexicon, Syntax, Rhetoric Principles of Economics, Chinese Economy & Society Business Negotiation, International Trade, Survey of World Economy
Selective Courses	Business Chinese, Grammar Training, HSK Counseling, Chinese Culture Lecture Series, Tai Chi, Tai Chi Fan, Calligraphy, Paper Cutting, Interesting Chinese Characters

Activities

Language & Cultural Activity	Dalian Regional & Culture Field Study, Liaoning Cultural Attraction Visit, China Cultural Attraction Visit & Language Practice
Extracurricular Activity	Chinese Speech Competition, Chinese Talent Show, International Cultural Festival, Athletics Meeting, DUT Campus Carnival, Students Unions & Clubs, Tourism Activity in China (Organized by SIE, at one's own expense)
Other Activities	Enterprise Visit, Internship Recommendation

Semester Start

New student: September, per year
Spring Semester Intake: March, per year

Fees (CNY)

Tuition	Application Fee	Grade	Test Fee
19,500/year	800	First Year (2 nd Semester)	1,750
		Second Year	3,500

Application Time

Before July 10 every year

Admission Qualifications

Non-Chinese citizen

- Aged between 18 to 25 years old and in good health
- High School diploma and transcript
- HSK4 180 or above or Chinese Language Learning Certification (six months or above) and Transcript

*Study experience in universities at home and aboard for half a year or above and pass the entrance examination, can study from first Year in Spring Semester with HSK4-200 (or above)

*Study experience in universities at home and aboard for one year or above and pass the entrance examination, can study from Second Year in Autumn Semester with HSK4-220 (or above)

※ Applicant under age 18 must have a guardian who lives in Dalian.

Application Procedure

- Submit the application at <http://iso.dlut.edu.cn/>
- Using the online application system, submit one photo, HSK certificate, high school diploma, transcript, financial certification, certificate of No-Criminal Conviction, Physical Examination Form, passport photocopies and one copy of a blank visa page.

English-medium Bachelor Programs

Machine Design & Manufacturing and Automation

Mechanical Design Manufacturing and Automation combines a broad-based education in the engineering sciences with a strong grounding in quantitative, problem-solving, design, and communications skills. The undergraduate program combines mechanical engineering with computer technology, automation, sensing test and other technologies to cultivate students with basic knowledge of mechanical engineering, marketing, economy, and industrial management. By emphasizing both analytical and creative methods, we give students the broad skills set they need to pursue their goals - whether that means working as an engineer, founding a company, or continuing on to graduate study and research.

Main Courses: Engineering Graphics & Visualization, Engineering Training, Statics, Dynamics, Mechanics of Materials, Fluid Mechanics, System Modeling and Analysis, Systems and Measurements, Machine Design(I,II), Engineering Materials, Manufacturing Processes & Engineering, Non-traditional Manufacturing Technology, Design and Manufacture Technology of Mould and Die.

Chemical Engineering and Technology

As an applied science, Chemical Engineering is a blend of several disciplines including science, mathematics, chemistry, biochemistry, engineering, which is aimed to make produce value added products in a cost effective and safe (including environmental) manner via experiments and innovative attempts.

The solid training provided gives students an excellent preparation for the increasing and changing demands of society. Our comprehensive and versatile undergraduate program offers students an excellent opportunity to develop a career in Chemical Engineering. Most of our past graduates will enter various public or private sector bodies as trainee engineers upon graduation.

Main Courses: Organic Chemistry, Physical Chemistry, Biological Chemistry, Chemical Thermodynamics, Momentum and Heat Transfer, Mass Transport and Separation, Transport Processes, Chemical Reaction Engineering Process Design and Integration, Chemical Process Design.

Civil Engineering

Civil Engineering is a specialty which is made to solve the problems in industrial and civil architecture by applying fundamental science theories and related mathematical calculation tools. Students are trained to grasp basic theories of all kinds of civil engineering disciplines and expertise; they are expected to be capable of working on planning, design, construction, management and research in the areas of buildings, underground structures, road and bridge construction as well as foundation treatment. They will be growing at DUT to be advanced engineers and technical personnel who are experts in modern science, technology and management.

Main Courses: Engineering Geology, Soil Mechanics, Reinforced Concrete Structures, Steel Structures, Seismic Design of Building Structures, Structural Design of High-rise Buildings.



汉语国际教育硕士专业

专业介绍

大连理工大学国际教育学院汉语国际教育硕士专业致力于通过完善的课程体系、高质量的教学内容、独具特色的研究方向和多样化的实践环节，培养了解中国国情与中华文化，具有较熟练的中国语言文化教学技能、良好的文化传播技能和跨文化交际能力，胜任多种教学任务的高层次、应用型、复合型、国际化专门人才。

研究方向

- 1. 汉语作为第二语言教学研究。
- 2. 第二语言习得研究。
- 3. 中外文化对比及中华文化传播研究。

培养目标

- 1. 具备良好的专业素质和职业道德。
- 2. 具有系统的专业知识、较高的中华文化素养和跨文化交际能力。
- 3. 具备熟练的汉语作为第二语言教学技能，能流利地使用一种外语进行教学和交流，能熟练运用现代教育技术和科技手段进行教学。
- 4. 具有语言文化国际推广项目的管理、组织与协调能力，能协助海外中国语研究中心等机构承担一般性的学术整理工作。
- 5. 服务地方经济发展，能从事涉外语言文化交流传播的相关工作。
- 6. 为不同语种国家培养高层次本土汉语师资。

课程设置

本专业采用课堂教学与国内外教学实习实践相结合的方式。

- 1. 课堂教学环节
本专业设有汉语作为第二语言教学、现代汉语研究、第二语言习得、汉语课堂教学案例分析、跨文化交际、汉语语言要素教学与研究、外国人汉语习得偏误研究、认知语言学研究、中国文学经典与中华优秀传统文化等专业核心和拓展课程，以及中国科学技术史、汉语言基础、中国文化概况等公共必修和选修课程。其中，一半以上的专业核心课程采用英语或中英双语授课。
- 2. 专业实践环节
本专业发挥国内合作教育科研文化等机构、国外友好学校及白俄罗斯国立大学孔子学院、孔子课堂等合作优势，专业内的所有国际学生都可到国内外的实践基地进行对外汉语教学以及中华文化推广实习。

申请资格

- 1. 须具有正规大学本科毕业学历，并须具有学士学位，持有效外国护照的非中国籍公民。所学专业以汉语言及人文社科类优先。
 - 2. 汉语水平考试（汉办HSK）须为五级210分以上（含），书写（作文）不低于65分，汉语语言能力达到或接近汉语母语者水平的外籍人士。
 - 3. 须具备一定的英语听说基础。
- 该项目可以申请中国政府奖学金、国际中文教师奖学金和大连理工大学国际学生校长奖学金。

学习方式和学习年限

- 1. 学习方式为全日制在校学习，主要通过课程学习、教学实习和学位论文撰写的方式进行培养。
- 2. 基本学习年限为3年。

导师信息

- 中文：<http://faculty.dlut.edu.cn>
- 英文：<http://faculty-en.dlut.edu.cn>



Master of Teaching Chinese to Speakers of Other Languages (MTCSOL)

Introduction

This program is characterized by well-designed curriculum, outstanding faculty, strong academic atmosphere, diverse language activities and social interaction.

MTCSOL is designed to cultivate the high-quality top talents with a global vision, interdisciplinary knowledge and practical abilities, who know about China's national condition and culture, have Chinese knowledge and skills in teaching, and also have good skills of cultural/cross-cultural communication.

Research Directions

1. Research of Teaching Chinese as a Second Language
2. The Study of Second Language Acquisition
3. Comparative Study of Chinese and Foreign Cultures and Chinese Culture Communication

Program Objectives

1. To have good professional quality and ethics.
2. To have professional knowledge, and inter-cultural communication skills, with high Chinese cultural awareness.
3. To have proficiency in teaching Chinese as a second language. To speak a foreign language fluently for teaching and communicating, and to be skilled at teaching via modern educational technology.
4. To be able to effectively manage, organize and coordinate projects of international cultural communication, and to assist general academic work in overseas institutions like Chinese Studies Centers.
5. To be able to serve the local economic development and to engage in relevant work on foreign language and culture communication.
6. To cultivate high-level local Chinese teachers for different language countries.

Curriculum Description

The program consists of two parts:

1. Taught Component

Specialized courses: Chinese as a Second Language Teaching, Modern Chinese Language Studies, Second Language Acquisition, Case Study of Chinese Language Classroom Teaching, Cross-cultural Communication, Teaching of Chinese Language Element, Error Analysis in Acquisition of Chinese Language, Cognitive Linguistics, Chinese Literary Classics and Chinese Splendid Traditional Culture, etc.

Public compulsory and elective courses: History of Chinese Science and Technology, Basic Chinese Language, as well as the Brief Introduction of Chinese Culture.

More than half of the core courses are taught in English or in both English and Chinese.

2. Professional Practice

This program emphasizes both basic theoretical learning and practical application. The cooperation and communication relations have been established with many universities and institutes around the world, such as partner universities, Confucius Institute at Belarusian State University, Confucius Classroom, etc. All international students of this program can go to the practice platform at home and abroad to teach Chinese as a foreign language as well as to promote Chinese culture and customs.

Application Qualification

1. Applicants should be non-Chinese citizens with a valid passport, and have obtained a bachelor's degree from a formal university. The applicants with the major in Chinese Language or relevant majors in Humanities & Social Sciences will be given priority.
2. Applicants are expected to reach HSK 5 with 210 points (or above), with at least 65 points in Writing (composition). Applicants should have a near-native competence of Chinese.
3. Good command of English speaking and listening is required.
The applicants can apply for CSC scholarship, International Chinese Language Teachers Scholarship and DUT scholarship.

Learning Modality, Duration and Supervisor Information

1. Full-time on-campus study. The curriculum mode is courses study, teaching practice and thesis writing.
2. The duration of program is 3 years.
3. Supervisor Information: <http://faculty-en.dlut.edu.cn>

大连理工大学&中国科学院深圳先进技术研究院

生物医学工程博士联合培养项目

专业介绍

大连理工大学生物医学工程专业具有“生物医学工程”一级学科硕士和博士学位授予权，2007年获批准设立“生物医学工程”博士后科研流动站，2008年获得“生物医学工程”辽宁省一级重点学科。学院目前拥有教育部“国家集成电路人才培养基地”，国家外专局“国家集成电路人才国际培训基地”，辽宁省重点实验室、大连市重点实验室。

学院拥有一支多学科交叉、医工结合的科研和教学队伍，教育背景包括生物、医学、电子、信息、力学、机械、医学、生物、能源、光学、康复等，主要学科方向如下：

1. 医学信号及图像处理：主要聚焦于生物医学各种生理和图像信号（如脑电、肌电、心电、脑磁、CT、MRI、PET、超声等）的处理与信息提取，完成诊断、治疗和反馈控制等任务。
2. 医学电子：主要聚焦于生物医学信号的采集和处理及应用系统的研究，包括各种传感器、生物芯片、集成电路与集成系统及其网络化应用技术。
3. 系统生物与康复工程：主要聚焦于从宏观系统到微观细胞以及分子水平上干预人体生理病理变化的信号转导机制与模拟，包括生物系统的实验与仿真、疾病的发生与康复机制、干细胞扩增定向分化、运动干预与康复治疗等。

培养目标

本专业招收博士研究生，旨在培养在生物、医学、工程技术交叉领域中的教学、科研、设计、管理或相关工程技术工作的高层次人才。学位获得者应在生物医学工程学科内掌握坚实的基础理论和系统的专门知识，有较宽的知识面，具备从事生物医学工程新技术的研究与开发能力；熟悉所从事研究方向的科学技术现状和动向，具有突出的实践和创新能力；较为熟练地掌握一门外语；具有一定理论分析、试验研究及计算机技术方面的能力；具有团队精神、身心健康。

课程设置

本专业研究生的培养以课程学习和参与科学研究为主，重点进行科学研究方法、团队合作和创新能力的培养。

1. 课堂教学环节

本专业设有论文写作与学术规范、矩阵与数值分析、优化方法、数理统计、复变函数与积分变换、随机过程、数据结构与算法、信号处理与数据分析、生物医学工程原理、生物医学信息技术、数字信号处理、解剖生理学、传感器网络技术、面向对象编程技术、生物统计与生物信息学、医学影像学、生物医学仪器原理与应用、随机数字信号处理、神经网络理论与应用、数字图像处理、纳米技术与生物光学传感器、机器学习等公共必修和选修课程。其中，部分专业核心课程采用英语或中英双语授课。

2. 科研环节

研究生培养实行导师负责制，导师负责研究生日常管理、学风和学术道德教育、制订和调整研究生培养计划、组织安排开题、指导科学研究和学位论文等。在研究生培养过程中，特别注重学生自学、独立工作和创新能力的培养，确保研究生培养质量。

该项目属于大连理工大学和中国科学院深圳先进技术研究院联合培养博士项目，学生前两学年在大连理工大学完成理论课学习任务，后两学年在中国科学院深圳先进技术研究院完成实验课及毕业设计。

申请条件

1. 非中国籍公民；
2. 身体健康，年龄40周岁以下；
3. 具有正规硕士研究生毕业学历（获硕士学位）；
4. 所学专业与生物医学工程相关；
5. 提供英语水平证书（TOEFL或IELTS）或硕士课程为英文授课证明；或HSK四级证书（中文授课）；
6. 两名教授或副教授推荐信；
7. 不少于800字的研究计划（英文或中文）。

申请方式

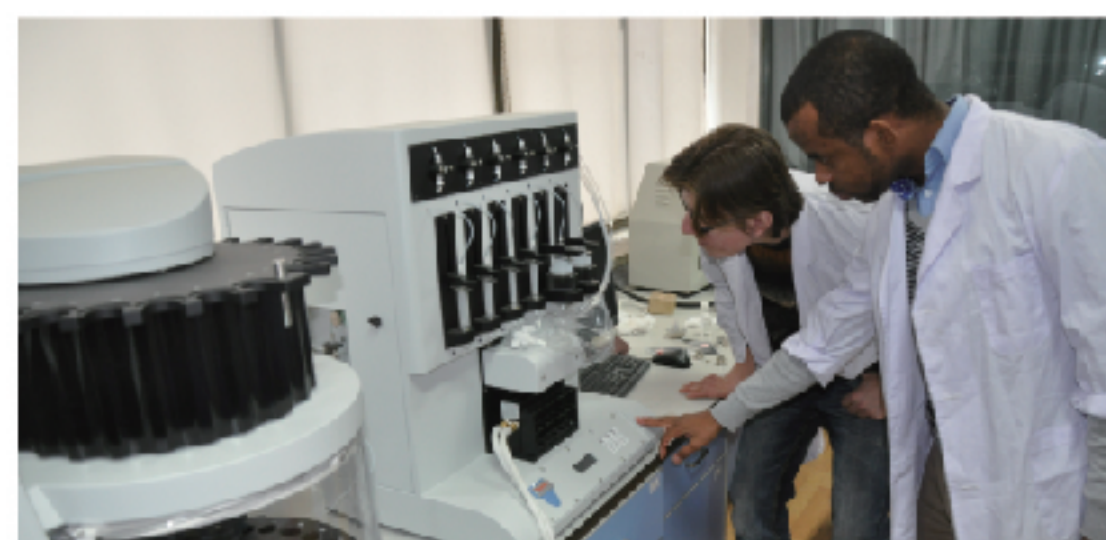
1. 在我院网站进行在线申请，在线申请网址：<http://iso.dlut.edu.cn>
2. 在线提交本科和硕士毕业证书、成绩单、英语水平证书（TOEFL或IELTS）或硕士课程为英文授课证明、HSK四级证书（中文授课）、硕士论文摘要及博士研究计划（不少于800字，英文或中文）、照片1张、两封副教授以上的推荐信、无犯罪证明、体检表、护照复印件。
3. 收到学生提交资料后，国际教育学院将进行审核。待审核录取后，学校将统一向被录用者寄发入学通知书、“JW202”签证申请表、空白体检表及来华须知。

学费信息（人民币）

该博士专业为四年制，英文授课学费40000元/年，中文授课学费33000元/年，报名费800元。
该项目可以申请奖学金。

联系信息

地址：中国 辽宁省 大连市甘井子区凌工路2号大连理工大学国际教育学院
邮编：116024
网址：<http://sie.dlut.edu.cn/>
电话：(86)411-84706048 /84706370
传真：(86)411-84770361
Email: dutsice@dlut.edu.cn



DUT & Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences (SIAT)

Joint-Ph.D Program in Biomedical Engineering

Brief Introduction

The School of Biomedical Engineering (BME) of Dalian University of Technology is qualified to confer master and doctoral degrees in Biomedical Engineering. In 2007, it was approved to establish the Biomedical Engineering postdoctoral research station. In 2008, it was awarded as the first-level key discipline in Liaoning Province. The School of BME currently has many scientific research platforms, including the National Training Base for Integrated Circuit Talents of the Ministry of Education, the National Training Base for International Integrated Circuit Talent of the State Administration of Foreign Experts, the Key Laboratory of Liaoning Province.

The School of BME has a multidisciplinary research and teaching team that the research fields covering biology, medicine, electronics, information, mechanics, medicine, biology, energy, optics, rehabilitation, etc. The main research fields are as follows:

1. Medical signal and image processing. Process and extract information of various physiological signals in biomedicine (such as EEG, EMG, ECG, brain magnetic, CT, MRI, PET, ultrasound, etc.) for disease diagnosis and treatment, and feedback control.
2. Medical Electronics. Focus on the collection and processing of biomedical signals and the application of medical electronics, including various sensors, biochips, integrated circuits and integrated systems and their network applications.
3. System biology and rehabilitation engineering. Focus on the signal transduction mechanism and simulation of various signals that interfere with human physiological and pathological changes, including biological system experiments and simulation, disease occurrence and rehabilitation mechanisms, stem cell expansion and differentiation, exercise intervention and rehabilitation treatment.

Program Objectives

The BME program can recruit doctoral students. Our goal is to train high-level talents with interdisciplinary backgrounds of biology, medicine and engineering for teaching, research, design, management or engineering. The graduates should

have a solid foundation of basic theory and system expertise in biomedical engineering, a broad knowledge base, and the ability to conduct research and develop new biomedical engineering technologies. The graduates should be familiar with the status and trends of science and technology in the related research field, and with outstanding practice and innovative ability. The graduates should be fluent in a foreign language, and have certain capabilities on theoretical analysis, experiments and computer technology.

Class Type

The program is based on curriculum learning and scientific research, with emphasis on scientific research methods, teamwork and innovation. The program consists of two parts:

1. Taught Component

Specialized courses: Papers Writing and Academic Standards, Matrix and Numerical Analysis, Optimization method, Mathematical Statistics, Complex Function and Integral Transformation, Stochastic Process, Data Structures and Algorithms, Signal Processing and Data Analysis, Principles of Biomedical Engineering, Biomedical information technology, Digital Signal Processing, Anatomical Physiology, Sensor Networks Technology, Object Oriented Programming Technology, Biostatistics and Bioinformatics, Medical imaging, Biomedical instrument principle and application, Random digital signal processing, Neural network theory and application, Digital image processing, Nanotechnology and Biophotonics Sensor, Machine Learning. Most of the core courses are taught in English or in both English and Chinese.

2. Scientific Research

In this program, the cultivation procedure is carried out based on the tutorial system. The tutor is responsible for the daily management of graduate students, the study style and academic moral education, the formulation and adjustment of training programs, the organization of the research proposal, and the guidance of scientific research and dissertations. In the process of postgraduate cultivation, special attention is paid on the capabilities of self-study, independent work and innovation to ensure the cultivation quality.

This program is a Joint-Ph.D program which is run jointly by DUT and SIAT, the students will study at DUT for the first two years, and then, study at SIAT for the other two years.

Admission Qualifications

1. Non-Chinese citizen
2. Age below 40 years old and in good health
3. Bachelor & Master Degree diplomas and transcripts
4. Graduated major related to Biomedical Engineering
5. TOEFL or IELTS Certificate, or English-Medium certification issued by graduated university; or HSK-4 Certificate for Chinese-taught program
6. Two recommendation letters from associated professors or above
7. Study plan (no less than 800 words in English or Chinese)

Application Procedures

1. Upload the online application at <http://iso.dlut.edu.cn/member/index.action>
2. Upload the following documents in the online application system, one photo, TOEFL or IELTS Certificate, or English-Medium certification issued by graduated university, HSK-4 Certificate for Chinese-taught program, Bachelor & Master degree certificates and transcripts, recommendation letters issued by associated professors or above, and study plan (no less than 800 words in Chinese or English), certificate of No-Criminal Conviction, Physical Examination Form and passport copy.
3. Applicants once admitted, the Admission Notice, the Application for Entry Form (JW202) and Physical Examination Form will be sent to the enrolled applicants, who could apply for an entry visa to China by presenting the above-mentioned documents, personal passports and the Physical Examination Records to the Chinese Embassy or Consulate in their respective countries.

Tuition

4-year Ph.D program, 40000 CNY/year for English-taught, 33000 CNY/year for Chinese-taught, 800 CNY for application fee. The applicants for this program can apply for scholarship.

Contact Information

Address: Linggong Road No.2, Ganjingzi District Dalian 116024, P. R. China
Website: <http://sie.dlut.edu.cn/> Fax: (86)411-84770361
Office Tel: (86)411-84706048 /84706370 Email: dutsice@dlut.edu.cn

计算机科学与技术博士联合培养项目

专业介绍

计算机科学与技术专业博士研究生的培养以科学研究为主，重点进行独立从事科学研究、团队合作和创新能力的培养。本培养方案以计算机科学与技术为基础，与数学、自动化等现代科学技术有机结合，以拓宽专业基础、掌握开拓性、创造性科学研究工作方法。培养优秀的科学素质、强烈的社会责任感和良好的科研道德；培养具有计算机科学与技术及相关学科的坚实、宽广的基础理论和系统、深入的专门知识；以在计算机及其相关领域做出创造性的成果。

课程设置

本专业研究生的培养以课程学习和参与科学研究为主，重点进行科学研究方法、团队合作和创新能力的培养。

1. 课堂教学环节

本专业设有矩阵与数值分析、数理统计、非线性分析、计算理论、人工智能、高级计算机网络、网络仿真、中国经济概况、中国文化概况、论文写作与学术规范。

2. 科研环节

研究生培养实行导师负责制，导师负责研究生日常管理、学风和学术道德教育、制订和调整研究生培养计划、组织安排开题、指导科学研究和学位论文等。在研究生培养过程中，特别注重学生自学、独立工作和创新能力的培养，确保研究生培养质量。

该项目属于大连理工大学和中国科学院深圳先进技术研究院联合培养博士项目，学生前两学年在大连理工大学完成理论课学习任务，后两学年在中国科学院深圳先进技术研究院完成实验课及毕业设计。

申请条件

- 1. 非中国籍公民；
- 2. 身体健康，年龄40周岁以下；
- 3. 具有正规硕士研究生毕业学历（获硕士学位）；
- 4. 所学专业与计算机科学与技术相关；
- 5. 提供英语水平证书（TOEFL或IELTS）或硕士课程为英文授课证明；或HSK四级证书（中文授课）；
- 6. 两名教授或副教授推荐信；
- 7. 不少于800字的研究计划（英文或中文）。

申请方式

- 1. 在我院网站进行在线申请，在线申请网址：<http://iso.dlut.edu.cn>
- 2. 在线提交本科和硕士毕业证书、成绩单、英语水平证书（TOEFL或IELTS）或硕士课程为英文授课证明、HSK四级证书（中文授课）、硕士论文摘要及博士研究计划（不少于800字，英文或中文）、照片1张、两封副教授以上的推荐信、无犯罪证明、体检表、护照复印件。
- 3. 收到学生提交资料后，国际教育学院将进行审核。待审核录取后，学校将统一向被录取者寄发入学通知书、“JW202”签证申请表、空白体检表及来华须知。

学费信息（人民币）

该博士专业为四年制，英文授课学费40000元/年，中文授课学费33000元/年，报名费800元。

该项目可以申请奖学金。

联系信息

地址：中国辽宁省大连市甘井子区凌工路2号大连理工大学国际教育学院

邮编：116024

网址：<http://sie.dlut.edu.cn/>

电话：(86)411-84706048 /84706370

传真：(86)411-84770361

Email: dutsice@dlut.edu.cn



Joint-Ph.D Program in Computer Science and Technology

Brief Introduction

The program of Doctors of Computer Science and Technology in DUT centers on scientific research, with emphases on the cultivation of abilities of individual scientific research, teamwork and innovation. Combining mathematics, automation and other modern fields of science and technologies, this program has the aim of broadening the professional foundations of the candidates, letting them master innovative and creative scientific research methods and cultivating their scientific research skills, social responsibilities and research morals. The candidates who successfully finish the program are expected to gain solid foundation of the basic theories and have the systematic and thorough understanding of the professional knowledge as well as to acquire the abilities to make innovative contributions to the field of Computer Science and other related fields.

Class Type

The program is based on curriculum learning and scientific research, with emphasis on scientific research methods, teamwork and innovation. The program consists of two parts:

1. Taught Component

Main courses: Matrix and Numerical Analysis, Mathematical Statistics, Nonlinear Analysis, Theory of Computation, Artificial Intelligence, Advanced Computer Network, Network Simulation, Overview of Chinese Economy, Overview of Chinese Culture, Papers Writing and Academic Standards

2. Scientific Research

In this program, the cultivation procedure is carried out based on the tutorial system. The tutor is responsible for the daily management of graduate students, the study style and academic moral education, the formulation and adjustment of training programs, the organization of the research proposal, and the guidance of scientific research and dissertations. In the process of postgraduate cultivation, special attention is paid on the capabilities of self-study, independent work and innovation to ensure the cultivation quality.

This program is a Joint-Ph.D program which is run jointly by DUT and SIAT, the students will study at DUT for the first two years, and then, study at SIAT for the other two years.

Admission Qualifications

- 1. Non-Chinese citizen
- 2. Age below 40 years old and in good health
- 3. Bachelor & Master Degree diplomas and transcripts
- 4. Graduated major related to Computer Science and Technology
- 5. TOEFL or IELTS Certificate, or English-Medium certification issued by graduated university; or HSK certificate for Chinese-taught program
- 6. Two recommendation letters from associated professors or above
- 7. Study plan (no less than 800 words in English or Chinese)

Application Procedures

- 1. Upload the online application at <http://iso.dlut.edu.cn/member/index.action>
- 2. Upload the following documents in the online application system, one photo, TOEFL or IELTS Certificate, or English-Medium certification issued by graduated university, HSK Certificate for Chinese-taught program, Bachelor & Master degree certificates and transcripts, recommendation letters issued by associated professors or above, and study plan (no less than 800 words in Chinese or English), certificate of No-Criminal Conviction, Physical Examination Form and passport copy.
- 3. Applicants once admitted, the Admission Notice, the Application for Entry Form (JW202) and Physical Examination Form will be sent to the enrolled applicants, who could apply for an entry visa to China by presenting the above-mentioned documents, personal passports and the Physical Examination Records to the Chinese Embassy or Consulate in their respective countries.

Tuition

4-year Ph.D program, 40000 CNY/year for English-taught, 33000 CNY/year for Chinese-taught, 800 CNY for application fee. The applicants for this program can apply for scholarship.

Contact Information

Address: Linggong Road No.2, Ganjingzi District Dalian 116024, P. R. China

Website: <http://sie.dlut.edu.cn/>

Fax: (86)411-84770361

Office Tel: (86)411-84706048 /84706370

Email: dutsice@dlut.edu.cn

大连理工大学软件工程博士项目

专业介绍

大连理工大学软件工程学科于2011年获批成为国家首批软件工程一级学科博士点，围绕“打造国内领先、在国际同类院校中居于优势地位的一流软件工程学科”的总体目标，在师资队伍建设和人才培养质量、科研水平提升、学科声誉发展等方面都取得了长足的进步。面向国家发展重大需求并基于软件工程学科的内涵，大连理工大学软件工程一级学科坚持“新思想、新领域、新方法”的发展思路。秉承“软件+X”的基本理念，制定了“软件+海洋”的特色方向，形成了以“数据科学与机器智能”、“信息安全与无线网络”、“软件工程理论与技术”、“泛在网络与可信技术”4个研究方向为依托，重点建设“海洋信息处理与计算”研究方向的“4+1”特色发展模式。

主要研究方向：

1. 几何计算与智能媒体技术：该方向主要研究对图形图像等数字媒体进行智能计算与分析的理论基础、计算方法与算法实现，主要包括计算几何、计算机图形学、计算机视觉、深度学习、多媒体搜索和智能监控等。
2. 数据科学与机器智能：该方向紧密结合大数据时代的行业需求，重点研究人工智能与模式识别、数据挖掘及可视化、大数据处理与分析、计算智能、服务科学与工程、生物信息学、智慧教育与数字化学习、智慧城市等，培养具有创新思维和创新能力高级IT人才，有效推动移动服务、医疗、3D打印等高科技产业的发展。
3. 信息安全与无线网络：信息安全与无线网络主要从事对无线网络应用和信息安全、反恐博弈、云存储安全以及激励机制理论及其应用的研究。
4. 软件工程理论与技术：该方向主要研究基于搜索的软件工程、高可信软件的形式验证及组合优化理论基础。
5. 泛在网络与可信技术：泛在网络与可信技术致力于培养体系结构、嵌入式计算等领域高端精英人才。探索物联网中多源异构多尺度大数据的可用性以及相关的预处理算法，基于张量网络和子空间理论的深度学习算法研究，多视角与迁移学习的大数据计算理论和方法。

培养目标

博士生培养能够从事软件工程方面的教学、科学研究、管理或相关工程技术工作的高层次人才。学位获得者应具备坚实的软件工程和计算机相关的基础理论和宽广的专业知识；熟练地运用一门外国语；熟悉本学科理论研究和工程技术的前沿动态；具有较强的理论分析和跨学科解决关键科学问题的能力，能结合与本学科有关的实际问题从事科学研究或担负专门工程项目工作，并取得系统的研究成果。

课程设置

本专业以课程学习和科学研究为基础，重点培养科学研究方法，团队合作和创新精神。本专业人才培养包含以下两个环节：

1. 课程学习
本专业设有非线性分析、软件工程方法论、图论、智能科学、并行计算、凸优化、泛在网络、复杂系统建模等专业核心和拓展课程，以及中国科学技术史、汉语言基础、中国文化概况等公共必修和选修课程。其中，一半以上的专业核心课程采用英语或中英双语授课。
2. 科学研究
在课程学习后，导师负责指导学生开展科学研究工作，包括学生日程管理，学风和学术道德教育，实验的制定和调整，研究方案的规划，以及科学研究和毕业论文的指导。在研究生培养过程中，强调自学能力和自主创新，确保培养质量。

申请条件

1. 非中国籍公民；
2. 身体健康，年龄40周岁以下；
3. 具有正规硕士研究生毕业学历（获硕士学位）；
4. 所学专业与软件工程或计算机科学相关；
5. 提供英语水平证书（TOEFL或IELTS）或学位课程为英文授课证明；或HSK四级证书（中文授课）
6. 两名从事所在研究方向领域内副教授及以上级别专家推荐信；
7. 不少于800字的研究计划（英文或中文）。

申请方式

1. 在我院网站进行在线申请，在线申请网址：<http://iso.dlut.edu.cn>
2. 在线提交本科和硕士毕业证书、成绩单、英语水平证书（TOEFL或IELTS）或硕士课程为英文授课证明、HSK四级证书（中文授课）、硕士论文摘要及博士研究计划（不少于800字，英文或中文）、照片1张、两封副教授以上的推荐信、无犯罪证明、体检表、护照复印件。
3. 收到学生提交资料后，国际教育学院将进行审核。待审核录取后，学校将统一向被录取者寄发入学通知书、“JW202”签证申请表、空白体检表及来华须知。

学费信息（人民币）

该博士专业为四年制，英文授课学费40000元/年，中文授课学费33000元/年，报名费800元。
该项目可以申请奖学金。

联系信息

地址：中国辽宁省大连市甘井子区凌工路2号大连理工大学国际教育学院 邮编：116024
网址：<http://sie.dlut.edu.cn/> 电话：(86)411-84706048 /84706370
传真：(86)411-84770361 Email: dutsice@dlut.edu.cn

DUT Ph.D Program in Software Engineering

Brief Introduction

The software engineering discipline of Dalian University of Technology (DUT) was approved to be one of the first national programs of doctoral degree in 2011. With a general goal of “building a first-level software engineering discipline which is competitive both domestically and internationally”, it has achieved rapid development on the aspects of Teaching Staff Construction, Talent Training Quality, Scientific Research Improvement, and Discipline Prestige Development. Responding to significant requirements for national development and the connotations of software engineering, the software engineering discipline in DUT insists on the development concepts of “new idea, new field, and new method”. Based on the initiative of “software + X”, the discipline has developed a unique orientation on “software + ocean”, which covers four primary research fields. That is, “Data Science and Artificial Intelligence”, “Information Security and Wireless Network”, “Software Engineering Theory and Technology”, and “Ubiquitous Networks and Computing”. Taking these four fields as a foundation, the discipline gives a special emphasis on the development of “Oceanic Information Processing and Computing”, and thus, forms a “4+1” development pattern. The four primary research fields are as follows:

1. Geometric Computing and Intelligent Media Processing. Focus on geometric computing, computer vision, computer graphics, multimedia data analysis and visualization, machine learning, deep learning on geometric data, structure optimization, and 3D printing, etc.
2. Data Science and Artificial Intelligence. Focus on artificial intelligence and pattern recognition, data mining & visualization, big data processing and analysis, computational intelligence, service science and engineering, bioinformatics, smart education and digital learning, smart city, etc.
3. Information Security and Wireless Network. Focus on the applications of wireless system, information security, anti-terrorism and game theory, cloud storage security, and incentive mechanism theory and its applications, etc.
4. Software Engineering Theory and Technology. Focus on the search-based software engineering, formal verification of high reliable software, and combinatorial optimization, etc.
5. Ubiquitous Networks and Computing. Cultivate high-level talents in the fields of architecture and embedded computing, including the availability of multi-source heterogeneous and multi-scale big data, and its preprocessing algorithm, deep learning algorithms based on tensor networks and subspace theory, calculation theory and methods of big data for multi-view and transfer learning, etc.

Program Objectives

The program is to train high-level talents with a software engineering background and capable for teaching, research, management, and engineering. The graduates should have a solid foundation of software engineering and basic theory in computer technology, a broad knowledge base, and be fluent in a foreign language. The graduates should be familiar with the status and trends of theory research and engineering technologies in the related research field, and with certain capabilities on theoretical analysis and addressing key scientific problems using interdisciplinary knowledge. The graduates should be able to engage in scientific research or undertake special engineering projects in conjunction with practical problems in the related research field, and obtain systematic research achievements.

Class Type

The program is based on curriculum learning and scientific research, with emphasis on scientific research methods, teamwork and innovation. The program consists of two parts:

1. Taught Component
The program provides specialized and extended courses such as Nonlinear Analysis, Software Engineering Methodology, Graph Theory, Intelligence Science, Parallel Computing, Convex Optimization, Ubiquitous Network, and Complex System Modeling. Other publicly required and elective courses are also prepared, including History of Chinese Science and Technology, Foundation of Chinese Language, and Chinese Culture. Particularly, more than half of the core courses are taught in English or in both English and Chinese. Most of the core courses are taught in English or in both English and Chinese.

2. Scientific Research

In this program, the cultivation procedure is carried out based on the tutorial system. The tutor is responsible for the daily management of graduate students, the study style and academic moral education, the formulation and adjustment of training programs, the organization of the research proposal, and the guidance of scientific research and dissertations. In the process of postgraduate cultivation, special attention is paid on the capabilities of self-study, independent work and innovation to ensure the cultivation quality.

Admission Qualifications

- 1. Non-Chinese citizen
- 2. Age below 40 years old and in good health
- 3. Bachelor & Master Degree diplomas and transcripts
- 4. Graduated major related to Software Engineering and Computer Science
- 5. TOEFL or IELTS Certificate, or English-Medium certification issued by graduated university; or HSK-4 Certificate for Chinese-taught program
- 6. Two recommendation letters from associated professors or above
- 7. Study plan (no less than 800 words in English or Chinese)

Application Procedures

- 1. Upload the online application at <http://iso.dlut.edu.cn/member/index.action>
- 2. Upload the following documents in the online application system, one photo, TOEFL or IELTS Certificate, or English-Medium certification issued by graduated university, HSK-4 Certificate for Chinese-taught program, Bachelor & Master degree certificates and transcripts, recommendation letters issued by associated professors or above, and study plan (no less than 800 words in Chinese or English), certificate of No-Criminal Conviction, Physical Examination Form and passport copy.

Applicants once admitted, the Admission Notice, the Application for Entry Form (JW202) and Physical Examination Form will be sent to the enrolled applicants, who could apply for an entry visa to China by presenting the above-mentioned documents, personal passports and the Physical Examination Records to the Chinese Embassy or Consulate in their respective countries.

Tuition

4-year Ph.D program, 40000 CNY/year for English-taught, 33000 CNY/year for Chinese-taught, 800 CNY for application fee.

The applicants for this program can apply for scholarship.

Contact Information

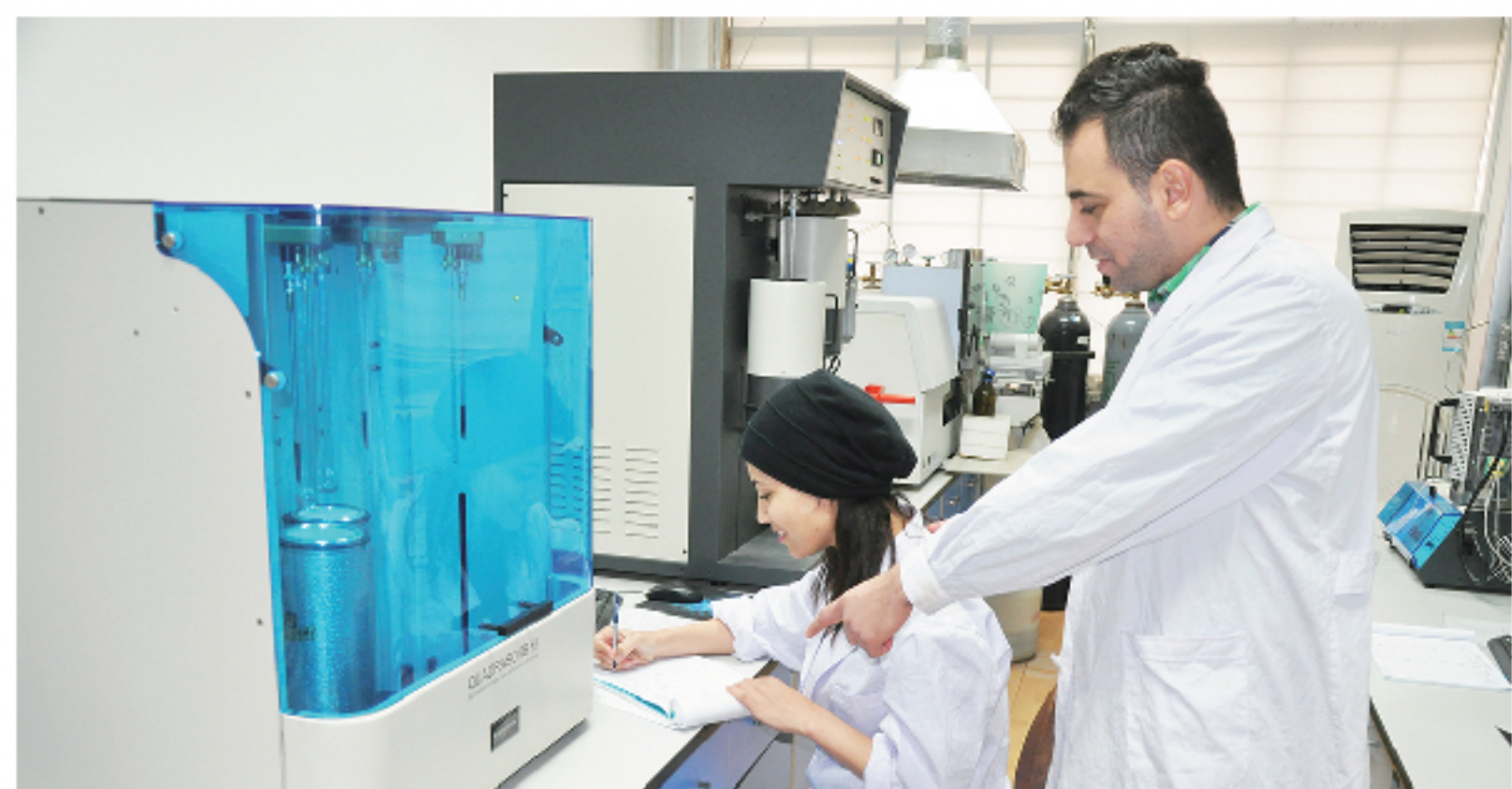
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Website: <http://sie.dlut.edu.cn/>

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Office Tel: (86)411-84706048 /84706370

Email: dutsice@dlut.edu.cn



大连理工大学软件工程硕士项目

专业介绍

大连理工大学软件工程学科于2011年获批成为国家首批软件工程一级学科博士点,围绕“打造国内领先、在国际同类院校中居于优势地位的一流软件工程学科”的总体目标,在师资队伍建设和人才培养质量、科研水平提升、学科声誉发展等方面都取得了长足的进步。面向国家发展重大需求并基于软件工程学科的内涵,大连理工大学软件工程一级学科坚持“新思想、新领域、新方法”的发展思路。秉承“软件+X”的基本理念,制定了“软件+海洋”的特色方向,形成了以“数据科学与机器智能”、“信息安全与无线网络”、“软件工程理论与技术”、“泛在网络与可信技术”4个研究方向为依托,重点建设“海洋信息处理与计算”研究方向的“4+1”特色发展模式。

主要研究方向:

- 1. 几何计算与智能媒体技术:该方向主要研究对图形图像等数字媒体进行智能计算与分析的理论基础、计算方法与算法实现,主要包括计算几何、计算机图形学、计算机视觉、深度学习、多媒体搜索和智能监控等。
- 2. 数据科学与机器智能:该方向紧密结合大数据时代的行业需求,重点研究人工智能与模式识别、数据挖掘及可视化、大数据处理与分析、计算智能、计算机图形图像、数字媒体、服务科学与工程、生物信息学、智慧教育与数字化学习、智慧城市等,培养具有创新思维和创新能力强的高级IT人才,有效推动移动服务、医疗、3D打印等高科技产业的发展。
- 3. 信息安全与无线网络:信息安全与无线网络主要从事对无线网络应用和信息安全、反恐博弈、云存储安全以及激励机制理论及其应用的研究。
- 4. 软件工程理论与技术:该方向主要研究基于搜索的软件工程、高可信软件的形式验证及组合优化理论基础。
- 5. 泛在网络与可信技术:泛在网络与可信技术致力于培养体系结构、嵌入式计算等领域高端精英人才。探索物联网中多源异构多尺度大数据的可用性以及相关的预处理算法,基于张量网络和子空间理论的深度学习算法研究,多视角与迁移学习的大数据计算理论和方法。

培养目标

硕士生培养实用型、复合型、外向型的高层次软件工程技术人才和软件工程管理人才;要求具有坚实的计算机相关的基础理论知识;熟练阅读外文资料、能用外语撰写科技论文和进行学术交流;掌握计算机学科理论与技术研究的最新发展动态;具有解决软件领域中的重大工程技术问题的能力;培养学生具有很强的工程实践能力,具备运用先进的工程化方法、技术和工具从事软件分析、设计、开发能力。重点培养研究生从事科学研究工作的能力,为将来工作在大学与科研院所,或攻读博士学位打下基础。

课程设置

本专业以课程学习和科学研究为基础,重点培养科学研究方法,团队合作和创新精神。本专业人才培养包含以下两个环节:

- 1. 课程学习
本专业设有算法分析与设计、软件体系结构、网络科学、数据分析理论与方法、矩阵与数值分析、优化方法、泛在网络、复杂系统建模等专业核心课程,以及网络安全、形式语言与自动机、云计算与大数据理论与应用、高级计算机网络、数据库与数据挖掘、现代人工智能、移动技术、多媒体计算等选修课程,以及中国科学技术史、汉语言基础、中国文化概况等公共必修。其中,一半以上的专业核心课程采用英语或中英双语授课。
- 2. 科学研究
在课程学习后,导师负责指导学生开展科学研究工作,包括学生日程管理,学风和学术道德教育,实验的制定和调整,研究方案的规划,以及科学研究和毕业论文的指导。在研究生培养过程中,强调自学能力和自主创新,确保培养质量。

申请条件

- 1. 非中国籍公民;
- 2. 身体健康,年龄35周岁以下;
- 3. 具有正规本科学历(获学士学位);
- 4. 所学专业与软件工程或计算机科学相关;
- 5. 提供HSK四级证书;
- 6. 两名从事所在研究方向领域内副教授及以上级别专家推荐信;
- 7. 不少于800字的研究计划(中文)。

申请方式

- 1. 在我院网站进行在线申请,在线申请网址: <http://iso.dlut.edu.cn>
- 2. 在线提交本科毕业证书、成绩单、HSK四级证书(中文授课)、研究计划(不少于800字,英文或中文)、照片1张、两封副教授以上的推荐信、无犯罪证明、体检表、护照复印件。
- 3. 收到学生提交资料后,国际教育学院将进行审核。待审核录取后,学校将统一向被录用者寄发入学通知书、“JW202”签证申请表、空白体检表及来华须知。

学费信息(人民币)

该硕士专业为三年制,中文授课学费24500元/年,报名费800元。
该项目可以申请奖学金。

DUT Master Program in Software Engineering

Brief Introduction

The software engineering discipline of Dalian University of Technology (DUT) was approved to be one of the first national programs of doctoral degree in 2011. With a general goal of “building a first-level software engineering discipline which is competitive both domestically and internationally”, it has achieved rapid development on the aspects of Teaching Staff Construction, Talent Training Quality, Scientific Research Improvement, and Discipline Prestige Development. Responding to significant requirements for national development and the connotations of software engineering, the software engineering discipline in DUT insists on the development concepts of “new idea, new field, and new method”. Based on the initiative of “software + X”, the discipline has developed a unique orientation on “software + ocean”, which covers four primary research fields. That is, “Data Science and Artificial Intelligence”, “Information Security and Wireless Network”, “Software Engineering Theory and Technology”, and “Ubiquitous Networks and Computing”. Taking these four fields as a foundation, the discipline gives a special emphasis on the development of “Oceanic Information Processing and Computing”, and thus, forms a “4+1” development pattern. The four primary research fields are as follows:

- 1. Geometric Computing and Intelligent Media Processing. Focus on geometric computing, computer vision, computer graphics, multimedia data analysis and visualization, machine learning, deep learning on geometric data, structure optimization, and 3D printing, etc.
- 2. Data Science and Artificial Intelligence. Focus on artificial intelligence and pattern recognition, data mining & visualization, big data processing and analysis, computational intelligence, service science and engineering, bioinformatics, smart education and digital learning, smart city, etc.
- 3. Information Security and Wireless Network. Focus on the applications of wireless system, information security, anti-terrorism and game theory, cloud storage security, and incentive mechanism theory and its applications, etc.
- 4. Software Engineering Theory and Technology. Focus on the search-based software engineering, formal verification of high reliable software, and combinatorial optimization, etc.
- 5. Ubiquitous Networks and Computing. Cultivate high-level talents in the fields of architecture and embedded computing, including the availability of multi-source heterogeneous and multi-scale big data, and its preprocessing algorithm, deep learning algorithms based on tensor networks and subspace theory, calculation theory and methods of big data for multi-view and transfer learning, etc.

Program Objectives

The program is to train high-level talents with a software engineering background and capable for teaching, research, management, and engineering. The graduates should have a solid foundation of software engineering and basic theory in computer technology, a broad knowledge base, and be fluent in a foreign language. The graduates should be familiar with the status and trends of theory research and engineering technologies in the related research field, and with certain capabilities on theoretical analysis and addressing key scientific problems using interdisciplinary knowledge. The graduates should be able to engage in scientific research or undertake special engineering projects in conjunction with practical problems in the related research field, and obtain systematic research achievements.

Class Type

The program is based on curriculum learning and scientific research, with emphasis on scientific research methods, teamwork and innovation. The program consists of two parts:

- 1. Taught Component
The program provides specialized and extended courses such as Nonlinear Analysis, Software Engineering Methodology, Graph Theory, Intelligence Science, Parallel Computing, Convex Optimization, Ubiquitous Network, and Complex System Modeling. Other publicly required and elective courses are also prepared, including History of Chinese Science and Technology, Foundation of Chinese Language, and Chinese Culture. Particularly, more than half of the core courses are taught in English or in both English and Chinese. Most of the core courses are taught in English or in both English and Chinese.

- 2. Scientific Research

In this program, the cultivation procedure is carried out based on the tutorial system. The tutor is responsible for the daily management of graduate students, the study style and academic moral education, the formulation and adjustment of training programs, the organization of the research proposal, and the guidance of scientific research and dissertations. In the process of postgraduate cultivation, special attention is paid on the capabilities of self-study, independent work and innovation to ensure the cultivation quality.

Admission Qualifications

- 1. Non-Chinese citizen
- 2. Age below 35 years old and in good health
- 3. Bachelor Degree diploma and transcript
- 4. Graduated major related to Software Engineering and Computer Science
- 5. HSK-4 Certificate for Chinese-taught program
- 6. Two recommendation letters from associated professors or above
- 7. Study plan (no less than 800 words in Chinese)

Application Procedures

- 1. Upload the online application at <http://iso.dlut.edu.cn/member/index.action>
- 2. Upload the following documents in the online application system, one photo, HSK-4 Certificate for Chinese-taught program, Bachelor degree certificate and transcript, recommendation letters issued by associated professors or above, and study plan (no less than 800 words in Chinese), certificate of No-Criminal Conviction, Physical Examination Form and passport copy.
- 3. Applicants once admitted, the Admission Notice, the Application for Entry Form (JW202) and Physical Examination Form will be sent to the enrolled applicants, who could apply for an entry visa to China by presenting the above-mentioned documents, personal passports and the Physical Examination Records to the Chinese Embassy or Consulate in their respective countries.

Tuition

3-year Master program, 24500 CNY/year for Chinese-taught, 800 CNY for application fee.
The applicants for this program can apply for scholarship.

