

计算机科学与技术来华留学博士研究生培养方案

Doctoral Degree Program of Computer Science and Technology

一、适用学科 (Applicable Discipline)

学科名称: 计算机科学与技术

学科代码: 0812

Discipline: Computer Science and Technology

Discipline Code: 0812

二、主要研究方向 (Main Research Field)

1. 网络技术与信息安全/Network Technology and Information Security
2. 软件科学与智能信息处理/Software Science and Intelligent Information Processing
3. 工业信息安全与智能计算/Industrial Information Security and Intelligent Computing

三、培养方案 (Curriculum)

1. 课程设置和学分要求 (Courses and Credits)						
课程类别 Category	课程编号 Code	课程名称 Course	学时 Hour	学分 Credit	开课学期 Semester	备注 Remark
公共必修课 General Compulsory Courses	202032020900	中国概况 Survey of China	48	3	2	必选 Compulsory
	202032020901	汉语 Chinese	64	3	1	必选 Compulsory
	202032023007	现代工程数学 Modern Engineering Mathematics	48	2	1	必选 Compulsory
专业必修课 Professional Compulsory Courses	202010621001	计算机科学数学 Computer Science Mathematics	48	2	1	必选 Compulsory
选修课 Optional Courses	202010620001	论文写作指导 Thesis/Dissertation Writing	16	1	1	选修 Optional
	202010621002	计算机网络新技术 New Advancement of Networks	32	2	1	选修 Optional
	202010621003	社会计算 Social Computing	32	2	1	选修 Optional
	202010621004	网络空间安全新进展 New Advancement in Network Cyber Space Security	32	2	1	选修 Optional
	202032020902	汉语交际 Chinese Communication	64	3	1	选修 Optional
	202032020903	HSK 辅导 HSK Tutoring	48	3	2	选修 Optional
学分要求 Credit Requirement	应修总学分≥15 学分, 其中课程学分≥11 学分, 必修环节≥4 学分。 Students should achieve no less than 15 credits totally, including course part 11 credits, compulsory part 4 credits.					
其他要求 Others	1. 对于跨学科攻读本专业博士学位的研究生, 应由导师根据研究方向需要指定若干门专业核心课程进行补修, 只记成绩, 不计学分。 2. 硕士阶段没有修读“论文写作指导”课程的, 一般应选其作为选修课。 3. 毕业前中文能力应当达到《国际汉语能力标准》五级水平。					

<p>1. The interdisciplinary doctoral candidates are required to take several professional core courses designated by their supervisors, in which the grades will be recorded without any credits.</p> <p>2. Those who have not taken the course of "Guidance of Thesis Writing" in the master's degree programs is required to study it as an optional course.</p> <p>3. Before the graduation, all international students are required to pass HSK band V (level) at least.</p>					
2.必修环节及要求 (Compulsory Parts and Requirements)					
必修环节名称 Compulsory Part	学分 Credit	开课 学期 Semester	考核内容或要求 Assessment Requirement	考核方式 Exam Method	备注 Remark
学术活动 Academic activities	1	5	<p>博士生在答辩前至少应参加5次以上由学校组织的学术活动，鼓励参加本专业或相关专业国内、国际会议，或者本专业专委会组织的学术活动；本人在博士生论坛或国内、国际会议上做学术报告不少于1次。学术报告的内容要与所研究的课题相关。</p> <p>每次学术活动要有500字左右的总结报告，注明参加学术活动的时间、地点、报告人、学术报告题目，简述内容并阐明自己对相关问题的学术观点或看法，经导师组签字后交学院教务办公室保留，并给予相应学分。</p> <p>The doctoral students should participate in at least 5 academic activities organized by the university before the defense of dissertation; they are especially encouraged to participate in national and international conferences w.r.t. the major or disciplines. The doctoral students are required to present academic reports at doctoral forums or in academic conferences for at least once, and the content of the academic reports should relate to the subject being studied.</p> <p>For each academic activity, the doctoral students should write a summary report about 500 words, indicating the time, place, speaker and topic of the academic activity, briefly describing the content and stating their academic views. The report should be signed by the supervisor group and submitted to the Academic Affairs Office of the college for retention. Academic activities, academic reports and their assessments shall be completed before the defense of dissertation, and the college shall give corresponding credits.</p>	由院系负责 考核 Assessed by the related college	至少 选择 1个 环节 Select one part at least

<p>创新竞赛与 创业活动 Innovation competition and entrepreneurial activities</p>	1	5	<p>研究生参加“中国研究生创新实践系列大赛”或国家层面组织的创新创业活动等，符合学校有关规定条件的，可获得创新竞赛与创业活动成绩及学分。</p> <p>Those who participate in the “China Graduate student Innovation Practice Series Competition” or the innovation and entrepreneurship activities organized nationally and simultaneously the relevant requirements of the university can obtain the scores and credits of the innovation competition and entrepreneurship activities.</p>	<p>由研究生院 学术办公室 考核 Assessed by the Academic Affairs Office of the Graduate School</p>	
<p>文献综述与 开题报告 Literature review and thesis proposal</p>	2	4	<p>博士研究生入学后即开始阅读本学科国内外有关文献资料，总数不少于 60 篇（外文文献不少于 40 篇），并于第三学期完成不少于 8000 字的文献综述报告。</p> <p>文献综述报告应反映国内外本领域的研究历史、现状、前沿、发展动态、发展趋势、存在的问题及自己的见解等。文献综述报告必须经过导师组、学院评审，通过后方可进入论文研究工作。博士生开题报告以及学位论文工作计划的要求按学校及学院相关文件执行。</p> <p>After enrollment, doctoral students should begin to read related literature of the specialty with a total of no less than 60 papers, and English literature shall be no less than 40. In the third semester, they should write a literature review with no less than 8000 words.</p> <p>The literature review should reflect the research history, current situation, frontier, development trend, existing problems and their own views on the field of computer science and technology in China and abroad. The literature review must be checked by the supervisor group and then credits can be granted if passing. The dissertation will be defended according to Academic Degree-conferring Detailed Code, and the doctoral students who passed the defense will get credits.</p>	<p>由开题报告 小组负责考 核 Assessed by the thesis proposal group.</p>	<p>必选 Compulsory</p>
<p>中期检查 Process assessment</p>	1	6	<p>中期检查是培养过程的重要环节之一，有助于及时发现学位论文工作中存在的问题，从而保证学位论文质量。学位论文中期检查的要求按学校及学院相关文件执行。</p> <p>The mid-term inspection is one of the important parts in the cultivation process, which helps to find out the problems in the dissertation writing in time, thereby ensuring the quality of the dissertation. The requirements for mid-term examinations are implemented in accordance with relevant documents of the university and the college.</p>	<p>由中期检查 小组负责考 核 Assessed by process assessment group</p>	<p>必选 Compulsory</p>

3.学位论文要求 (Degree Thesis Requirements)

对学位论文的学术道德、学术水平、创新性成果、论文撰写、预答辩以及答辩等方面的具体要求:

Requirements for Dissertation on the contents of academic ethics, academic level, creative outcome, dissertation writing, pre-defense and final dissertation defense :

博士生入学后 3 个月内, 应在导师组的指导下完成论文工作研究计划的制定工作。内容包括: 研究方向、课程学习、文献阅读、开题报告、科学研究、学术交流、学位论文及实践环节等方面的要求和进度计划, 经导师组、学院审核批准后交学院教务办公室保留。

学术道德: 研究生导师在研究生培养过程中需对研究生进行学术道德教育和学术规范训练, 并对研究生做出明确要求; 研究生应参加校、院组织的学术道德和学术规范讲座, 同时撰写不少于 500 字的学习报告或心得体会, 由导师审阅同意后交院系存档。研究生在就读期间要注重培养和提高自身学术道德修养, 遵守学术研究的基本规范, 自觉抵制学术不端行为。

学术水平: 博士生发表论文及学位论文答辩的要求按学校及学院相关文件执行。

创新性成果: 学位论文应对所研究的课题有新的见解, 对学术发展、经济建设和社会进步有一定的理论意义或现实意义, 学位论文中应包含三个及以上的创新性成果。

论文撰写: 博士学位论文撰写的要求按学校及学院相关文件执行。

论文预答辩及答辩: 博士学位论文预答辩及答辩的要求按学校及学院相关文件执行。

Within 3 months after enrollment , doctoral students should complete the formulation of the research plan under the guidance of the supervisor group. The contents include: research direction, course learning, literature reading, thesis/dissertation proposal, scientific research, academic exchanges, dissertation and practice, which should be submitted to the Academic Affairs Office of the college after approved by the supervisor group and the college.

Academic ethics: Supervisors must take the responsibility of candidates' academic ethics training, and propose definite requirements for doctoral students; Students should participate in lectures on academic ethics and academic norm organized by the university and college, and write a learning report of at least 1,000 words, which should be approved by the supervisor after lectures. Doctoral students should pay attention to the cultivation and improvement of their academic morals during their studies, abide by the basic norms of academic research, and consciously resist academic misconduct.

Academic level: The requirements for doctoral students to publish academic papers and defense of dissertation are implemented in accordance with relevant documents of the school and the college.

Creative Outcome: the dissertation should include at least 3 innovative achievements. Specific requirements shall be implemented in accordance with relevant documents of the university and the college.

Thesis writing: The requirements for dissertation writing are implemented in accordance with the relevant documents of the university and the college.

Thesis pre-defense and defense: The requirements for the defense of doctoral dissertation shall be implemented in accordance with the relevant documents of the university and the college.